

IMPORTANT NOTES

Updated October 1, 2013

New to the University

1. Academic Proficiency Scholarships and Dean's Honour List

Changes have been made to the process for awarding Academic Proficiency Scholarships and recognizing Students of Distinction and Highest Distinction on the Deans' Honour List. Please see *Academic Regulations and Policies* for more information.

2. Classical Civilization Honours Stream Reinstated

Senate has approved the reinstatement of the Classical Civilization Stream within the BA Honours Program in the Department of Classics. The program had been suspended since 2008 due to teaching capacity.

3. Chair in Cooperative Enterprises

With funding from the Province of Manitoba and a number of co-operative businesses and business associations, the Faculty of Business and Economics established a Chair in Cooperative Enterprises aimed at strengthening the co-op movement and developing socially responsible entrepreneurs.

4. Environmental Studies Department Status

The Environmental Studies Program is now the Department of Environmental Studies and Sciences.

5. Minors

The Senate has approved optional Minors for the following Departments and Programs: Classics (Civilization Stream and Language Stream); Conflict Resolution Studies; Disability Studies; East Asian Languages and Cultures; English; French Studies; German Studies, Human Rights; International Development Studies; Mathematics; Mennonite Studies; Philosophy; Politics; Religion and Culture; Sociology, Spanish Studies; Statistics; Theatre and Film; Urban and Inner-City Studies, and Women's and Gender Studies. Students will be able to receive recognition for the completion of Minors in any of these areas if they are graduating with a 4-Year Bachelor of Arts, Bachelor of Science, or Bachelor of Business Administration degree.

6. Oral History Centre

The Oral History Centre was approved by Senate as a research institute and established in 2012.

7. Radiation Therapy

The Council on Post-Secondary Education has approved the offering of a Joint 4-Year Bachelor of Science Degree in Radiation Therapy by The University of Winnipeg and CancerCare Manitoba. Students must do a qualifying year of University courses, then compete for admission to the Diploma program at CancerCare. This program is offered through the Physics Department of U of W. CancerCare courses are designated by the department code CCMB or PHYS.

8. Two New Degrees in the Faculty of Kinesiology

Two new degrees are being introduced in the fall of 2013: the Bachelor of Physical and Health Education (3-year) and the Bachelor of Kinesiology (4-year).

ACADEMIC TERMS - The University of Winnipeg offers courses in three terms. The Fall and Winter terms each have 12 weeks of classes and 2 weeks of evaluation. A full course (6 credit hours) is normally taught over two terms and a half course (3 credit hours) over one term. However, a course may also be taught in a condensed or expanded time frame. The Spring term has 8 weeks of class and there is a Summer session during the months of July and August.

FIPPA and PHIA - *The Freedom of Information and Protection of Privacy Act (FIPPA)* and *The Personal Health Information Act (PHIA)* both apply to The University of Winnipeg. The Vice-Presidents of the University have responsibility for the implementation and oversight of all matters related to both pieces of legislation. Should any of the university's policies conflict with FIPPA or PHIA, the provisions of FIPPA or PHIA shall prevail unless otherwise expressly provided for at law.

LOSS OF SERVICE - No liability shall be incurred by The University of Winnipeg for loss or damage suffered or incurred by any student or third party as a result of delays in or termination of services, courses or classes by reason of: acts of God, fire, floods, weather, riots, wars, strikes, lock-outs, damage to University property, financial conditions, or other happenings or occurrences beyond the reasonable control of the University.

NATIONAL DAY OF ACTION AND REMEMBRANCE OF VIOLENCE AGAINST WOMEN - In recognition of the "National Day of Action and Remembrance of Violence Against Women," The University of Winnipeg Senate passed a motion that on December 6: there be academic amnesty for assignments, papers, participation marks, and attendance marks for that date; that no tests or exams be held after 3:30 p.m. on that date; and that classes operate on a normal schedule on that date.

RELIGIOUS HOLIDAYS- Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make up work or examinations without penalty. On the recommendation of The Senate, a list of religious holidays is included below.

Religious Event	Religion	2013-14 DATES
Mawlid an Nabi	Muslim	Jan 24
Chinese New Year	Buddhist	Feb 10
Passover	Jewish	March 26-27
Magha Puja	Buddhist	March 27
Good Friday	Christian	March 29

Easter Monday	Christian	March 31
Baisakhi	Sikh	April 14
Shavuot	Jewish	May 15-16
Visakha Puja	Buddhist	May 25
Ramadan	Muslim	July 9-Aug 7
Obon	Buddhist	July 13-15
Asalhka Puja Day	Buddhist	July 22
Lailat Ul Qadr	Muslim	Aug 3
Eid al Fitr	Muslim	Aug 8-11
Krishna Janmashtami	Hindu	Aug 28
Rosh Hashanah	Jewish	Sept 5-6
Yom Kippur	Jewish	Sept 14
Navaratri	Hindu	Oct 5-13
Eid al Adha	Muslim	Oct 15-18
Diwali	Hindu	Nov 3
Day of Ashura	Muslim	Nov 13
Guru Nanak Dev Sahib Birthday	Sikh	Nov 17
Hanukkah	Jewish	Nov 28-Dec 5
Christmas	Christian	Dec 25
Mawlid an Nabi	Muslim	Jan 13
Chinese New Year	Buddhist	Jan 31
Magha Puja	Buddhist	March 16
Baisakhi	Sikh	April 14
Passover	Jewish	April 15-22
Good Friday	Christian	April 18
Easter Monday	Christian	April 21
Visakha Puja	Buddhist	May 14
Shavuot	Jewish	June 4-5

<http://www.interfaithcalendar.org/>

SMOKING - The University of Winnipeg is a non-smoking environment.

IMPORTANT NOTICE AND DISCLAIMER

The information in the 2013-2014 University Course Calendar, posted on the University's website, is considered the final and accurate authority on all academic matters. If there are differences between any published documents and the posted Calendar, the posted Calendar will be considered the authority.

The contents of this Calendar reflect the intentions of the University at the time of posting, with respect to the matters it contains. THE UNIVERSITY EXPRESSLY RESERVES THE RIGHT TO DEVIATE FROM WHAT APPEARS IN THE CALENDAR, including both content and scheduling, in whole or in part, and including, without limiting the generality of this disclaimer, the right to revise the content of, and to cancel, defer, reschedule or suspend, in whole or in part, the scheduling of particular periods of instruction, courses, or programs, and the academic program of the University, and to alter, accelerate or defer fees and charges, and to do any or all of the above either in order to serve what the University considers to be the best interests of the academic or student community or of the University itself, or because of any circumstance or occurrence, whether occurring by or through the wilful act or negligence of the University, or otherwise and whether or not beyond the reasonable or other control of the University, and as a result of circumstances or occurrences including financial resources, natural catastrophe or disaster, the health, safety and well-being of the employees or students of the University, labour disagreements or disputes, slow-downs, work-stoppages, and strikes. THE UNIVERSITY DOES NOT ACCEPT, AND EXPRESSLY DISCLAIMS, ANY OR ALL RESPONSIBILITY OR LIABILITY to any person, persons or group, for any loss, injury, damages or adverse effect, either direct or indirect, consequential or otherwise, arising out of any one or more of such deviations. The University disclaims liability to any person who may suffer loss as a result of reliance upon any information contained in this Calendar.

Each and every of the subsequent provisions contained in this Calendar, and the relationship, both legal and otherwise, between the University, and its students, is expressly subject to and governed by the above provisions.

The Office of the Registrar will assist students with any questions or problems which might arise concerning the interpretation of academic regulations. It is, however, the responsibility of students to see that their academic programs meet the University's regulations in all respects.

DATES FOR THE 2013-2014 ACADEMIC YEAR

March 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Mar 1 Early application deadline for High School students applying to Arts, Science, Education, Kinesiology and Business and Economics for the Fall 2013 Term. Applications received by this date will be given early consideration for admission on the basis of interim (March/April) grades for current students or on the basis of final grades for applicants who have already graduated.

Mar 1 FINAL DATE for applications from all applicants to the Faculty of Education for the 2013 Fall Term, with the exception of High School, Transfer, and After-Degree applicants.

Mar 1 FINAL DATE for submission of admission applications in order to receive Special Entrance Scholarships consideration for the 2013-2014 Fall/Winter Terms.

Mar 4 FINAL DATE to withdraw without academic penalty from courses which begin in January 2013 and end in April, 2013 of the 2013 Winter Term.

Mar 20 FINAL DATE to withdraw without academic penalty from all courses which begin on February 25, 2013 and end on April 5, 2013 of the 2013 Winter Term.

Mar 29 GOOD FRIDAY: University closed. Classes normally scheduled for this day will be held on Monday, April 8, 2014.

Mar 31 FINAL DATE for receipt of applications from Canadian Citizens and Permanent Residents for first-time admission to the University for the 2013 Spring Term.

April 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Apr 1 FINAL DATE for receipt of applications for application required entrance scholarships for 2013-2014 Fall & Winter Terms.

Apr 5 LECTURES END for the 2013 Winter Term except for courses that have a class in lieu of Good Friday

Apr 8 Classes held on this day are in place of classes on Friday, March 29, 2013 and will be scheduled in accordance with a Friday schedule

Apr 11-24 The Winter Term evaluation period for final items of work for this term which can include scheduled tests, exams, or the submission of papers or projects.

May 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

May 1 FINAL DATE for Transfer students to submit application, autobiography, chronological summary and letters of reference to the Faculty of Education for the 2013 Fall Term.

May 6 LECTURES BEGIN for the 2013 Spring Term.

May 6 FINAL DATE to pay fees without late payment fee being charged in the 2013 Spring Term.

May 20 VICTORIA DAY: University closed.

May 22 FINAL DATE to withdraw without academic penalty from courses which begin on May 6, 2013 and end on May 31, 2013 of the 2013 Spring Term.

May 30 FINAL DATE to withdraw without academic penalty from courses which begin on May 6, 2013 and end on June 17, 2013 of the Spring Term.

May 31 LECTURES END for all courses scheduled in the first 4 weeks of the 2013 Spring Term which begin on May 6, 2013, except for courses which have classes in lieu of Victoria Day.

June 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Jun 3 Classes held on this day are in place of classes on Monday, May 20, 2013 for all courses in the first 4 week and 8 week terms of the 2013 Spring Term.

Jun 4 The Spring Term evaluation period for final items of work which can include scheduled tests, exams, or the submission of papers or projects for all courses which begin on May 6 and end on June 3 of the 2013 Spring Term.

Jun 4 No classes for the 8 week courses which begin on May 6, 2013 and end on July 2, 2013 of the 2013 Spring Term.

Jun 5 LECTURES BEGIN for all courses scheduled in the second 4 weeks of the 2013 Spring Term.

Jun 5 LECTURES RESUME for all courses in the 8 week term which begin on May 6 and end on July 2, 2013 of the 2013 Spring Term.

Jun 6 Annual Spring Convocation for the conferring of degrees in Arts, Science, and Business & Economics.

Jun 7 Annual Spring Convocation for the conferring of degrees in Education and Theology.

Jun 7 FINAL DATE to withdraw without academic penalty from the courses which begin on May 6 and end on July 2, 2013 of the 2013 Spring Term.

Jun 10 FINAL DATE for receipt of applications from High School applicants to the Faculty of Education for the 2013 Fall Term.

Jun 14 LECTURES END for all courses scheduled in the first 6 weeks of the 2013 Spring Term which begin on May 6, 2013 except for courses which have classes in lieu of Victoria Day.

Jun 17 Classes held on this day are in place of classes on Monday, May 20, 2013 for courses in the first 6 week and 12 week terms of the 2013 Spring Term.

Jun 18 The Spring Term evaluation period for final items of work which can include scheduled tests, exams, or the submission of papers or projects for all courses scheduled in the first 6 weeks of the 2013 Spring Term which end on June 17, 2013.

Jun 18 No classes for the 12 week courses which begin on May 6, 2013 and end on July 30, 2013.

Jun 19 LECTURES BEGIN for all courses scheduled in the second 6 weeks of the 2013 Spring Term.

Jun 19 LECTURES RESUME for all 12 week courses, which begin on May 6, 2013, and end on July 31, 2013.

Jun 20 FINAL DATE to withdraw without academic penalty from courses in the second 4 week term which begin on June 5, 2013 and end on July 3, 2013 of the 2013 Spring Term.

Jun 26 FINAL DATE to withdraw without academic penalty from courses in the 12 week term which begin on May 6, 2013 and end on July 31, 2013 of the 2013 Spring Term.

July 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Jul 1 CANADA DAY: University closed. Classes normally scheduled for this day will be held on Wednesday, July 3, 2013 for courses in the second 4 week and the 8 week terms and on Wednesday, July 31, 2013 for courses in the second 6 week and 12 week terms.

Jul 2 LECTURES END for all courses in the second 4 week term and the 8 week term of the 2013 Spring Term except for courses which have classes in lieu of Victoria Day.

Jul 2 FINAL DATE for receipt of applications from Canadian Citizens and Permanent Residents for first-time admission to the University for the 2013 Fall Term.

Jul 3 Classes held on this day are in place of classes on Monday, July 1, 2013 for courses in the second 4 week and 8 week terms of the 2013 Spring Term.

Jul 4 - 5 The Spring Term evaluation period for final items of work for the second 4 week term and the 8 week term which can include scheduled tests, exams or the submission of papers or projects.

Jul 8 LECTURES BEGIN for the Jump Start session.

Jul 15 FINAL DATE to withdraw without academic penalty from courses in the second 6 week term which begin on June 19, 2013 and end on July 31, 2013 of the Spring Term.

- Jul 30 LECTURES END for all courses scheduled in the second 6 weeks and the 12 week term of the 2013 Spring Term except for courses which have classes in lieu of Canada Day.
- Jul 31 Classes held on this day are in place of classes on Monday, July 1, 2013 for courses in the second 6 week and 12 week terms of the 2013 Spring Term.
- Jul 31 FINAL DATE to withdraw without academic penalty from courses in the Jump Start Session of the 2013 Spring Term.

August 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- Aug 1-2 The Spring Term evaluation period for final items of work for the second 6 week term and the 12 week term which can include scheduled tests, exams or the submission of papers or projects.
- Aug 5 CIVIC HOLIDAY: University closed. Classes normally scheduled for this day will be held on Monday, August 19, 2013.
- Aug 15 FINAL DATE for receipt of applications for graduation from candidates who expect to graduate in October 2013. Applications received after this date may be treated as applications to receive the degree in absentia.
- Aug 16 LECTURES END for the Jump Start session, except for the courses which have classes in lieu of the Civic Holiday.
- Aug 19 Classes held on this day are in place of classes on Monday, August 5, 2013 and will be held in accordance with a Monday schedule.
- Aug 20 The Jump Start evaluation period for final items of work which can include scheduled tests, exams or the submission of papers or projects.
- Aug 23 FINAL DATE for Opportunity Fund Fast-Track Bursary Applications.

September 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

- Sep 2 LABOUR DAY: University closed.
- Sep 4 LECTURES BEGIN for the 2013 Fall Term.
- Sep 4 FINAL DATE to pay fees without a late payment fee being charged for all courses which begin in the 2013 Fall and Fall/Winter Terms.
- Sep 4-17 Period when 2013-2014 Fall and Winter Term course registration, course adds/drops and section changes occur. Subsequent changes will be permitted only under the most exceptional circumstances and only when authorized by an Academic Advisor in the Student Services Office. Registration in all courses will be subject to space availability.
- Sep 16 FINAL DATE for In-Course Bursary and Award Applications.
- Sep 27 FINAL DATE to withdraw without academic penalty from all courses which begin on September 4, 2013 and end on October 16, 2013 of the 2013 Fall Term.

October 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- Oct 4 FINAL DATE for government student aid recipients on the fee deferral list (those who were approved for funding by August 30, 2013) to pay fees without a late payment fee being charged for all courses which begin in 2013 Fall and Fall/Winter Terms.
- Oct 4 FINAL DATE for In-Course Scholarship Applications.
- Oct 14 THANKSGIVING DAY: University closed. Classes normally scheduled for this day will be held on Wednesday, November 27, 2013.
- Oct 17 LECTURES BEGIN for all course scheduled in the second 6 weeks of the 2013 Fall Term.
- Oct 18 Annual Fall Convocation for the conferring of degrees.

Oct 24 FINAL DATE to withdraw without academic penalty from courses, which begin in September and end in November of the 2013 Fall Term.

November 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- Nov 11 REMEMBRANCE DAY: University Closed. Classes normally scheduled for this day will be held on Thursday, November 28, 2013.
- Nov 12 FINAL DATE to withdraw without academic penalty from all courses which begin on October 17, 2013, and end on November 28, 2013 of the 2013 Fall Term.
- Nov 15 FINAL DATE for receipt of applications for graduation from candidates who expect to graduate in February 2014.
- Nov 26 LECTURES END for the 2013 Fall Term except for courses which have classes in lieu of Thanksgiving and Remembrance Day.
- Nov 27 Classes held on this day are in place of classes on Monday, October 14, 2013 and will be scheduled in accordance with a Monday schedule
- Nov 28 Classes held on this day are in place of classes on Monday, November 11, 2013 and will be scheduled in accordance with a Monday schedule

December 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
	30	31				

- Dec 1 Application deadline for High School Grade 12 students to be considered for admission based on final Grade 11 transcripts.
- Dec 1 FINAL DATE for receipt of applications from Canadian Citizens and Permanent Residents for first-time admission to the University for the 2014 Winter Term.
- Dec 3 - 5 & 7 - 17 The Fall Term evaluation period for final items of work for this term which can include scheduled tests, exams, or the submission of papers or projects.

Dec 6 No exams will be held on this day. WAVES Initiative. (Women's Action Against Violence and for Equal Status)

Dec 23 University closed from Dec 23, 2013 until January 1, 2014.

January 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- Jan 2 University opens.
- Jan 6 LECTURES BEGIN for the 2014 Winter Term.
- Jan 6 FINAL DATE to pay all fees for the 2014 Winter Term without a late payment fee being charged.
- Jan 6 - 17 Period when 2014 Winter Term course registration, course adds/drops and section changes occur. Subsequent changes will be permitted only under the most exceptional circumstances and only when authorized by an Academic Advisor in the Student Services Office. Registration in all courses will be subject to space availability.
- Jan 21 FINAL DATE to withdraw without academic penalty from courses which begin in September 2013 and end in April 2014 of the 2013-2014 Fall and Winter Term.
- Jan 29 FINAL DATE to withdraw without academic penalty from all courses which begin on January 6, 2014 and end on February 14, 2014 of the 2014 Winter Term.
- Jan 31 FINAL DATE for receipt of General Bursary Applications.

February 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

Feb 6 FINAL DATE for government student aid recipients on the fee deferral list (those who were approved for funding by December 20, 2013) to pay all fees for the 2014 Winter Term without a late payment fee being charged.

- Feb 10 Annual Winter in Absentia Convocation for the conferring of degrees.
- Feb 12 FINAL DATE for After-Degree applicants to submit application, autobiography, chronological summary and letters of reference to the Faculty of Education for the 2014 Fall Term.
- Feb 15 FINAL DATE for receipt of applications for graduation from candidates who expect to graduate in June 2014. Applications received after this date may be treated as applications to receive the degree in absentia.
- Feb 16-22 Mid-term reading week. No classes.
- Feb 17 LOUIS RIEL DAY: University closed.
- Feb 24 LECTURES BEGIN for all 3 credit hour courses scheduled in the second half of the 2014 Winter Term.

March 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

- Mar 1 FINAL DATE for applications from all applicants to the Faculty of Education for the 2014 Fall Term with the exception of High School, Transfer, and After-Degree applicants.
- Mar 1 FINAL DATE for submission of admission applications in order to receive Special Entrance Scholarship consideration for the 2014 Fall/Winter Terms.
- Mar 1 Early application deadline for High School students applying to Arts, Science, Education, Kinesiology and Business and Economics for the 2014 Fall Term. Applications received by this date will be given early consideration for admission on the basis of interim (March/April) grades for current students or on the basis of final grades for applicants who have already graduated.
- Mar 3 FINAL DATE to withdraw without academic penalty from courses which begin in January 2014 and end in April 2014 of the 2014 Winter Term.
- Mar 19 FINAL DATE to withdraw without academic penalty from all courses which begin on February 24, 2014 and end on April 4, 2014 of the 2014 Winter Term.
- Mar 31 FINAL DATE for receipt of applications from Canadian Citizens and Permanent Residents for first-time admission to the University for the 2014 Spring Term.

April 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

- Apr 1 FINAL DATE for receipt of applications for application required entrance scholarships for 2014-2015 Fall & Winter Terms.
- Apr 4 LECTURES END for the 2014 Winter Term.
- Apr 9-23 The Winter Term evaluation period for final items of work for this term which can include scheduled tests, exams, or the submission of papers or projects.
- Apr 18 GOOD FRIDAY: University closed.

May 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- May 1 FINAL DATE for transfer students to submit application, autobiography and letters of reference to the Faculty of Education for the 2014 Fall Term.
- May 5 LECTURES BEGIN for the 2014 Spring Term.
- May 5 FINAL DATE to pay fees without late payment fee being charged in the 2014 Spring Term.
- May 19 VICTORIA DAY: University closed.
- May 21 FINAL DATE to withdraw without academic penalty from courses which begin on May 5, 2014 and end on June 2, 2014 of the 2014 Spring Term.
- May 29 FINAL DATE to withdraw without academic penalty from courses which begin on May 5, 2014 and end on June 16, 2014 of the 2014 Spring Term.
- May 30 LECTURES END for all courses scheduled in the first 4 weeks of the 2014 Spring Term which begin on May 5, 2014 except for courses which have classes in lieu of Victoria Day.

June 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

- Jun 2 Classes held on this day are in place of classes on Monday, May 19, 2014 for all courses in the first 4 week and 8 week terms of the 2014 Spring Term.
- Jun 3 No classes for courses in the 8 week term which begin on May 5, 2014 and end on July 2, 2014 of the 2012 Spring Term.
- Jun 3 The Spring Term evaluation period for final items of work which can include scheduled tests, exams, or the submission of papers or projects for all courses scheduled in the first 4 weeks of the 2014 Spring Term which end on June 3, 2014.
- Jun 4 LECTURES RESUME for all courses in the 8 week term which begin on May 5, 2014 and end on July 2, 2014 of the 2014 Spring Term.
- Jun 4 LECTURES BEGIN for all courses scheduled in the second 4 weeks of the 2014 Spring Term.
- TBA Annual Spring Convocation for the conferring of degrees in Arts (morning) and Science, Business and Economics, and Kinesiology (afternoon)
- TBA Annual Spring Convocation for the conferring of degrees in Education and Theology (morning)
- Jun 6 FINAL DATE to withdraw without academic penalty from courses in the 8 week term which begin on May 5, 2014 and end on July 2, 2014.
- Jun 10 FINAL DATE for receipt of applications from High School applicants to the Faculty of Education for the 2014 Fall Term.
- Jun 13 LECTURES END for all courses scheduled in the first 6 weeks of the 2014 Spring Term which began on May 5, 2014, except for courses which have classes in lieu of Victoria Day.
- Jun 16 Classes held on this day are in place of classes on Monday, May 19, 2014 for all courses in the first 6 week and 12 week terms of the 2014 Spring Term.
- Jun 17 The Spring Term evaluation period for final items of work which can include scheduled tests, exams, or the submission of papers or projects for all courses scheduled in the first 6 weeks of the 2014 Spring Term which ends on June 16, 2014.
- Jun 17 No classes for courses in the 12 week term which begin on May 5, 2014 and end on July 30, 2014.
- Jun 18 LECTURES BEGIN for all course scheduled in the second 6 weeks of the 2014 Spring Term.

- Jun 18 LECTURES RESUME for all courses in the 12 week term which begin on May 5, 2014 and end on July 30, 2014 of the 2014 Spring Term.
- Jun 19 FINAL DATE to withdraw without academic penalty from courses in the second 4 week term which begin on June 4, 2014 and end on July 2, 2014 of the 2014 Spring Term
- Jun 25 FINAL DATE to withdraw without academic penalty from courses in the 12 week term which begin on May 5, 2014 and end on July 30, 2014 of the 2014 Spring Term.

July 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- Jul 1 CANADA DAY: University closed. Classes normally held on this day for courses in the second 4 week and 8 week terms will be scheduled on July 2, 2014 and for courses in the second 6 week and 12 week terms will be scheduled on July 30, 2014.
- Jul 2 FINAL DATE for receipt of applications from Canadian Citizens and Permanent Residents for first-time admission to the University for the 2014 Fall Term.
- Jul 2 LECTURES END for all courses in the second 4 week term and the 8 week term of the 2014 Spring Term. Includes make-up day for July 1, 2014
- Jul 3-4 The Spring Term evaluation period for all final items of work for the second 4 week term and the 8 week term which can include scheduled tests, exams or the submission of papers or projects.
- Jul 7 LECTURES BEGIN for the Jump Start Session.
- Jul 14 FINAL DATE to withdraw without academic penalty from courses in the second 6 week term which begin on June 18, 2014 and end on July 30, 2014 of the 2014 Spring Term.
- Jul 29 LECTURES END for all classes scheduled in the second 6 week and 12 week terms of Spring 2014 except for courses which have classes in lieu of Canada Day.
- Jul 30 Classes held on this day are in place of classes on Monday, July 1, 2014 for all classes in the second 6 week and 12 week terms and will be scheduled in accordance with a Monday schedule.
- Jul 30 FINAL DATE to withdraw without academic penalty from courses in 2014 Jump Start Session.

Jul 31 – The Spring Term evaluation period for final items
 Aug 1 of work for the second 6 week term and the 12
 week term which can include scheduled tests,
 exams, or the submission of papers or projects.

August 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	28	30
31						

- Aug 4 CIVIC HOLIDAY: University closed. Jump Start classes normally held on this day will be scheduled on August 18, 2014.
- Aug 15 FINAL DATE for receipt of applications for graduation from candidates who expect to graduate in October 2014. Applications received after this date may be treated as applications to receive the degree in absentia.
- Aug 15 LECTURES END for the Jump Start session, except for courses which have classes scheduled in lieu of the Civic Holiday.
- Aug 18 Classes held on this day are in place of classes on Monday, August 4, 2014 and will be held in accordance with a Monday schedule.
- Aug 19 The Jump Start evaluation period for final items of work which can include scheduled tests, exams, or the submission of papers or projects.

September 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Sep 1 LABOUR DAY: University closed.

October 2014						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- Oct 13 THANKSGIVING DAY: University closed.
- Oct 17 Annual Fall Convocation for the conferring of degrees.

GLOSSARY

Updated April 9/13

-A/B-

Academic Misconduct: This refers to dishonest student behaviours that subvert academic standards. Examples include, but are not limited to plagiarism, cheating, improper research/academic practices, obstruction of the academic activities of another, impersonation, falsification or unauthorized modification of an academic record, aiding and abetting academic misconduct. See *Regulations and Policies* in the Course Calendar.

Admission: The process of applying to and providing the necessary documentation to enroll in a degree credit program at The University of Winnipeg.

Adult Learner: Any person who has been out of the educational system for three years or more and is taking courses with an educational goal in mind. Adult learners can be attending university for the first time, returning after a significant break, transferring credits from other post-secondary institutions, or seeking a second degree.

Alumni: Graduates of University degree programs and PACE (Professional, Applied and Continuing Education) certificate and diploma programs are collectively called alumni. Upon graduation, these students automatically become members of the Alumni Association. Students who have successfully completed 30 credit hours of degree-credit courses may apply for Associate Membership.

Appeal: An avenue of recourse available to students who wish to seek redress for what they deem to be an unfair decision of a faculty member or the University administration, or to obtain exemption from a policy or regulation. Appeal procedures are outlined in *Regulations and Policies* in the Course Calendar. Examples include defined exams, incomplete term work and grade appeals.

Audit: An audit student is someone who has paid a reduced fee and has been granted permission by the instructor and department to sit in on a course. An audit student may not participate in the class, except by invitation of the instructor, and is not entitled to write tests or exams, to have work graded, or to receive course credit.

-C-

Challenge for Credit: A method through which a student may be able, with appropriate evidence and documentation, to obtain credit for learning acquired outside the University. PLAR or 'challenge for credit' procedures are outlined in the *Regulations and Policies* section of the Course Calendar. For more information, contact Adult Learner Services.

Chair: The head of an academic department.

Cognate Course: A course from a related discipline deemed to complement the chosen area of study and to encompass knowledge and skills relevant to that area. Example: Courses in Sociology are cognate courses for Psychology.

Collegiate: The division of the University which offers a Grades 9 – 12 high school program.

Contact Hours: This term refers to the total number of hours of instruction for a specific course. This number includes weekly lectures, labs, and tutorials, as well as any other scheduled requirements.

Convocation: The ceremony at which degrees are conferred upon students, after which they are called graduates or alumni.

Coordinator: The head of an interdisciplinary program or department unit.

Corequisite: A specific course or requirement which must be undertaken at the same time as a prescribed course, if it has not already been completed.

Course Calendar: The annual publication which provides key information for students on many aspects of their studies at The University of Winnipeg. It outlines admission requirements, general regulations, degree requirements, grading policies, course descriptions, and other information pertinent to an education at the University. It may be purchased in print form or found on the University's website.

Credit Hours: The "weight" of a course reflecting the amount of class time. Most courses are valued at **6 credit hours** (three lecture hours per week for TWO terms) or **3 credit hours** (three lecture hours per week for ONE term). The number of credit hours is noted in brackets after the course number. Example: PSYC-1000(6) Introductory Psychology is worth 6 credit hours. A student must successfully complete a specified total number of credit hours as part of meeting degree requirements. For example: 90 credit hours must be completed for a three-year BA. A student must also successfully complete a specific number of credit hours in the Major subject. See *Degree and Major Requirements* as well as *Areas of Study* in the Course Calendar.

Cross-listed: A course which is cross-listed by two academic departments (e.g. MATH and STATS; HIST and CLAS; ECON and BUS) relates in content and perspective to both disciplines. As such, it may be offered under either department's course number. A cross-listed course may be used to partially meet the Major requirements of either department, regardless of the course number at

the time the course was successfully completed. Note: There are a few courses cross-listed by three departments (for example, UIC, IS and BUS).

-D-

Dean: The administrative head of an academic unit at the University.

Deferred Exam: The opportunity granted to a student by the Senate Appeals Committee or an academic department to write a final exam or final test at an alternate time from the scheduled date. Appeal procedures are outlined in *Regulations and Policies* of the Course Calendar.

Discipline: A branch of knowledge or learning.

Drop/Withdrawal: A student may choose to drop, or withdraw voluntarily from any course, up to and including the designated voluntary withdrawal deadline for that course. (See "Course Drop Information" and "Course Withdrawal Schedule" on the website for details.) The University may withdraw a student involuntarily from a course due to non-payment of fees, unacceptable classroom behaviour, or other issues.

-E-

Elective: A course not prescribed by the requirements of a program, but acceptable within that program and chosen by the student.

Experiential Learning: Uses direct experience and reflection on that experience as a means of learning. It includes activities such as co-ops, practica, internships, fieldwork, service learning and PLAR.

Experimental Courses: New courses offered by departments on a trial basis to gauge interest in particular topics. In the Course Calendar, descriptions of experimental courses are included at the end of each department's section.

-F-

Faculty Members: The teaching and research staff of the University.

Faculty: A Faculty is a division of the University. The University of Winnipeg has the Faculties of Arts, Business and Economics, Education, Kinesiology, Science, and Theology.

Fee Payment Schedule: This term refers to the schedule of fee payment dates and deadlines for students. The dates are set by Financial Services and are not negotiable.

FIPPA: The acronym for the Freedom of Information and Protection of Privacy Act of the Government of Manitoba.

Full-Time Student: A student who is registered for a minimum of 9 credit hours per term.

-G-

Grade Point: The numerical value given to an alphabetical letter grade used in the assessment of academic performance.

Grade Point Average: A numerical index of performance, the Grade Point Average or GPA is calculated by dividing the number of weighted grade points achieved by the number of credit hours successfully completed. A cumulative GPA is based on all course attempts for which grades were received. The graduation GPA is based only on those courses which are presented for graduation (e.g., the best 90 credit hours for a 3-Year Degree that satisfy degree requirements, excluding failed courses and using the best grade in any course that was repeated).

Graduation: The process whereby students, having completed all the requirements in a prescribed course of study, are awarded the degree(s) earned, after which they are called graduates or alumni. A student must apply, in advance, for graduation – see *Regulations and Policies* of the Course Calendar.

-H//J/K/L-

Humanities: Refers to the study of ideas about human culture and its expression through art forms and systems of thought. Disciplines designated as Humanities at The University of Winnipeg include Aboriginal Languages, Classics, East Asian Languages and Cultures, English, French Studies, German Studies, History, Italian Studies, Philosophy, Religion and Culture, Spanish Studies, Theatre and Film, and Women's and Gender Studies.

Humanities Requirement: The obligation of students in all degree programs to complete a minimum of 12 credit hours of Humanities courses. See *Degree and Major Requirements* of the Course Calendar for a list of courses which may be used to meet this requirement.

Incomplete: This term refers to the opportunity, granted to a student by the Senate Appeals Committee or an academic department, to complete items of term work after the end of the evaluation period for a course. Appeals procedures are outlined in *Regulations and Policies* of the Course Calendar.

-M/N/O-

Major: The major is the area of specialization undertaken as one of the requirements for a degree. Departmental majors require a student to take a minimum number of courses in an individual department. Interdisciplinary majors require a student to take relevant courses from a variety of departments in order to specialize in a topic which crosses disciplinary boundaries.

Non-Academic Misconduct: Students have a responsibility to act in a fair and reasonable manner in their interactions with their peers, faculty, staff, and administration and in their use of university property. Examples of Non-Academic Misconduct include threats, using abusive language, violence, and disruptive behaviour. See *Regulations and Policies* in the Course Calendar.

-P/Q-

Part-Time Student: A student who is registered in fewer than 9 credit hours per term.

PHIA: The acronym for the Personal Health Information Act of the Government of Manitoba.

Plagiarism: This is a form of academic dishonesty where an individual presents work of another person, in whole or in part, as his or her own. Here "work" includes, but is not limited to essays, oral presentations, lab reports, art and performance compositions, diagrams, computer reports or software, research results. Plagiarism also includes submitting the same work for evaluation to more than one course without the consent of each instructor to do so. See Student Discipline under *Regulations and Policies* of the Course Calendar.

PLAR: The acronym for Prior Learning Assessment and Recognition at The University of Winnipeg. PLAR (also known as RPL or Recognition for Prior Learning) or 'challenge for credit' procedures are outlined in the section *Regulations and Policies* of the Course Calendar. Contact Adult Learner Services for more information.

Practicum: A course of study based on the practical application of theory to field work or research. In the BEd program, practicum applies to the courses and/or time that students spend in the schools student teaching.

Pre-Professional Studies: A group of courses that can be taken at UWinnipeg and used to fulfill the admission requirements for professional programs at other Canadian universities. Admission requirements may be taken at The University of Winnipeg for professional faculties and schools including Architecture, Chiropractic, Dental Hygiene, Dentistry, Engineering, Journalism, Law, Management, Medicine, Nursing, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, Social Work and Veterinary Medicine.

Prerequisite: The preliminary requirement which must be met before a course can be taken.

Prerequisite Waiver: Written permission from the instructor and/or Department for a student to register in a course without the stated prerequisite.

Professional, Applied and Continuing Education (PACE): Formerly known as the Division of Continuing Education, PACE offers non-degree credit courses and certificate/diploma programs in areas such as Information Technology, Public Relations, Human Resources, Educational Assistant Training, Languages and Management. For more information, see PACE on the University's website.

-R-

Registration: The process of officially enrolling in courses for a particular term(s).

Residence Requirement: The total number of credit hours that must be taken at The University of Winnipeg in order to qualify for a degree from the University.

-S-

Science: The disciplines that are devoted to the systematic observation of and experimentation with the material and the functions of the natural or physical world. Disciplines designated as Natural or Physical Sciences at The University of Winnipeg include Biology, Chemistry, Geography (Physical) and Physics. Mathematics and Statistics are usually included among the Science disciplines although they deal with abstract numerical relationships rather than with the natural or physical world.

Science Requirement: The obligation of students in all Bachelor of Arts and Bachelor of Business Administration degree programs to complete 6 credit hours of Science courses. Students in some Science degree programs may have additional science requirements to fulfill in addition to the science courses in their major department.

Social Science: The scientific study of society and social relationships and behaviour. Disciplines designated as Social Sciences at The University of Winnipeg include Anthropology, Economics, Geography (Human and Regional), Politics, Psychology and Sociology.

Social Science Requirement: The obligation of students in Bachelor of Arts 4-year and Bachelor of Business Administration 4-year degree programs to complete 12 credit hours of Social Science courses.

-T-

Term: A designated period in the academic year during which courses are offered. Typically, **Fall Term** runs from September to December and **Winter Term** runs from January to April. **Fall-Winter Term** covers the entire period, from September to April. **Spring Term** spans from May to August, with courses starting on different dates throughout this time period.

Timetable: The list of courses which are offered during a particular term or terms.

Timetabling: The act of selecting and scheduling courses from the Timetable.

Transcript: The official document prepared by the Student Records Office of each student's complete academic history.

-U/V/W-

Undergraduate: A student registered in a program of studies which leads to a Bachelor's degree.

WebAdvisor: The University's online registration system. Anyone can go to the University's website and click on WebAdvisor to search and read about course offerings for an upcoming term. Admitted students with an ID and password can also use this system for other functions, such as to register for courses, review their student history/transcript, and access final grades.

Withdrawal/Drop: A student may choose to drop, or withdraw voluntarily from any course, up to and including the designated voluntary withdrawal deadline for that course. (See "Course Drop Information" and "Course Withdrawal Schedule" on the website for details.) The University may withdraw a student involuntarily from a course due to non-payment of fees, unacceptable classroom behaviour, or other issues.

Writing Requirement: This term, also called the Academic Writing Requirement, refers to the obligation of students to take a writing course. This requirement is intended to aid students in developing their writing skills and strategies to the level generally expected of university students. Students may be exempted from the requirement in accordance with one of the criteria listed in the *Degree and Major Requirements* section of the Course Calendar. Course descriptions for Academic Writing are included in the "Rhetoric, Writing and Communications" department section of the Course Calendar.

THE UNIVERSITY

Updated October 1, 2013

1. **Degrees Offered**
 - a. **Undergraduate Degrees**
 - b. **Graduate Degrees**

2. **Mission Statement**
 - a. **Mission**
 - b. **Guiding Principles**

1. Degrees Offered

a. Undergraduate Degrees

The University confers the following undergraduate degrees in the Faculties of Arts, Science, Education, Business and Economics, and Kinesiology:

Bachelor of Arts	BA (90 credit hours)
Bachelor of Arts (4-Year)	BA (4-Yr) (120 credit hours)
Bachelor of Arts (Honours)	BA (Hons) (120 credit hours)
Bachelor of Science	BSc (90 credit hours)
Bachelor of Science (4-Year)	BSc(4-Yr) (120 credit hours)
Bachelor of Science (Honours)	BSc(Hons) (120 credit hours)
Bachelor of Education (Integrated with BA)	BEd/BA (150 credit hours)
Bachelor of Education (Integrated with BSc)	BEd/BSc (150 credit hours)
Bachelor of Theology	BTh
Bachelor of Business Administration	BBA (90 credit hours)
Bachelor of Business Administration(4-Year)	BBA (4-Yr) (120 credit hours)
Bachelor of Physical and Health Education (3-Year)	BPHE (90 credit hours)
Bachelor of Kinesiology (4-Year)	BKin (120 credit hours)

b. Graduate Degrees

The University confers the following graduate degrees:

University of Winnipeg Master's Programs:

Master of Arts in Aboriginal Governance	MA
Master of Science in Applied Computer Science and Society	MSc
Master of Science in Bioscience, Technology and Public Policy	MSc
Master of Arts in Cultural Studies	MA
Master's in Developmental Practice with a Focus on Indigenous Development	MDP
Master of Arts in Environmental, Resource and Development Economics	MA
Master of Marriage and Family Therapy	MMFT
Master of Arts in Theology	MA
Master of Arts in Spiritual Disciplines and Ministry Practices	MA
Master of Divinity	MDiv
Master of Sacred Theology	STM

Joint Master's Programs with the University of Manitoba:

Master of Arts in History	MA
Master of Arts in Religion	MA
Master of Public Administration	MPA
Master of Arts in Peace and Conflict Studies	MA

For further information on graduate degrees in Theology, please see the "Theology" section of the University's website.

2. Mission Statement

a. Mission

The University of Winnipeg is committed to excellence in post-secondary education through undergraduate and selected graduate programs, rooted in the liberal arts and culminating in degrees such as those in Arts, Science, Education, and Theology. In pursuit of our mission, we are guided by the knowledge that our primary responsibility is to our students, to whom we strive to offer a community which appreciates, fosters, and promotes values of human dignity, equality, non-discrimination and appreciation of diversity. We view both accessibility and excellence as important goals, and will endeavour to make the University as accessible as we can while maintaining high standards of quality in our academic programs. In the practice of scholarly enquiry through both teaching and research, we provide students with breadth and depth of knowledge, the skills to communicate effectively and to make informed decisions, an understanding of the ethical problems facing our society, and an appreciation of the full range of human, aesthetic, and environmental values. The University of Winnipeg values academic freedom, self-governance and community service.

b. Guiding Principles

The following abilities are central to a sound undergraduate liberal arts and science education: the ability to express oneself clearly and to read and listen critically; the ability to think logically and analyze quantitatively and qualitatively; the ability to relate the methods of the natural and social sciences to our natural and social environment; the ability to make informed and discriminating ethical and other value judgements; and the ability to interpret persons, things, events and circumstances from multiple philosophical, historical, cultural, and scholarly perspectives. An undergraduate liberal arts and science education enhances professional programs and provides a basis for life-long learning.

In keeping with the traditions of our founding colleges, The University of Winnipeg is concerned with developing our students' intellectual capacities, and their sense of self-worth and of responsibility to the community. We seek to increase their awareness of important moral issues, to develop and foster their concern for the welfare of others, and to enrich their understanding of the interdependence of all aspects of life in the modern world. This may be achieved through the application of multi-disciplinary approaches to the study of important issues wherever possible.

The unique character of The University of Winnipeg derives from the fact that we are a medium-sized university with a primary focus on undergraduate liberal education. This enables us to offer considerable breadth and depth in our programs while maintaining reasonable class sizes and enhanced interaction among students and between students, faculty and staff. It is an important part of our mission to preserve and, wherever possible, to enhance this character through carefully planned academic development and attention to the needs of our students, both full and part-time. The University will continue to seek improvements in its physical

facilities and amenities, including ways in which the University can have a positive impact on the broader environment. These actions will require increased attention to matters of funding, through continued advocacy before the provincial government and the public on the University's financial needs, and through efforts to raise funds from the private sector in support of programs, facilities and scholarships.

In the true spirit of the nature of universities, The University of Winnipeg has an important role in the creation of new knowledge and the exploration of new ideas. Through support of the research and other scholarly activities of faculty members, including participation in graduate studies both within the institution and in collaboration with other universities, the University ensures that teaching and learning keep pace with the ever-changing state of knowledge. Further, we are committed to providing our undergraduates with opportunities to participate in, and contribute to, these activities at a relatively early stage in their academic development.

Through the new United Centre for Theological Studies, The University of Winnipeg will work in partnership with other colleges and universities and with various denominations and religious traditions to provide certificate and graduate programs in Theology and Counselling.

Our commitment to excellence is extended to include secondary education through The Collegiate, and to life-long learning through Professional, Applied and Continuing Education (PACE).

As essential components of the University tradition, the values placed on equality and diversity, academic freedom, self governance and community service, provide the environment whereby a community of scholars, students, and faculty may have the freedom to examine ideas responsibly, and to participate in the academic operations of the institution through processes which reflect a balance between democracy, efficiency, innovation, and accountability. Our mission and role in society requires that we foster an exemplary employment environment and adopt policies and measures which foster an atmosphere free from racism, sexism, and all other forms of stereotyping, harassment, and discrimination. The University of Winnipeg values the contributions of all staff members to our academic enterprise, and will endeavour to provide a healthy work environment, improved career opportunities, and job satisfaction.

The University of Winnipeg strives to pay particular attention to ways in which institutional resources – human, cultural, athletic, and recreational – can improve the quality of life in the broader community. This includes cooperation with business, industry, government, and community groups, and actions which ensure that the public is well-informed about the University and has ample opportunities to communicate with it.

The University of Winnipeg recognizes that our most valuable community resource is our alumni. We are committed to maintaining our ties with our graduates through open communication, through increased involvement of our alumni in the activities of the University and the Alumni Association, and by providing opportunities for further education.

Up-to-date information on

- **Registration**
- **Fees**
- **Awards and Financial Aid**

can be found in the "Student" section of the University's website at www.uwinnipeg.ca

ADMISSION PROCEDURES AND POLICIES

Update Feb 15, 2013

1. **Admission Process**
 - a. Student Number
 - b. Application Fees
 - c. Required Documentation
 - d. Application Deadlines
 - e. Acceptance
 - f. Readmission
 - g. Retention of Documents
2. **Admission into a Program of Study**
 - a. Enrolment Limits
 - b. Admission to the Faculty of Education
 - c. Radiation Therapy
3. **Student Admission Categories**
4. **Admission Requirements**
5. **English Language Requirement**
6. **Transfer of Credit**
 - a. International Baccalaureate Program
 - b. Advanced Placement Program
7. **Forfeit of Previous Credit - Statute of Limitations**
8. **Admission to Professional Programs**
9. **Course Auditors**

The University welcomes applications from Canadian and International students. All new students must apply for admission to the University. Notification of acceptance is required before students may register in courses. Students are admitted to the University on the basis of high school standing or previous studies at another university or college.

1. Admission Process

All students who wish to study at the University for the first time must submit a completed [application for admission](#). This may be completed online, or with a paper application submitted to Student Central. After evaluation, applicants receive formal notification of the decision.

Students who attended United College prior to July 1, 1967 must apply for admission before they can register for a course.

Applicants for off-campus (UCN and Campus Manitoba) programs must follow the same application procedures and meet the same requirements as regular on-campus students.

a. Student Number

A Student Number is assigned to each student upon application. It identifies student files, and appears on official documents including the official letter of acceptance and all statements of examination results issued by the University. The Student Number should be quoted in all contacts with University offices.

b. Application Fees

Each time an applicant applies to the University for admission or readmission, an application fee is required. This fee, non-refundable and not applicable to tuition fees, must accompany the application for admission. Please visit: www.uwinnipeg.ca/index/how-to-apply-app-fee

c. Required Documentation

All documents submitted in support of an application must be originals. Copies are not acceptable. Replaceable documents submitted with an application become the property of the University and will not be returned. Misrepresentation, falsification of documents, or the withholding of requested information with respect to the application, can result in the cancellation of acceptance and registration or dismissal from the University. The following supporting official documents must be submitted with a non-refundable application fee before any application will be considered:

- Official Transcripts:
 - From secondary school showing all courses taken, grades achieved and proof of graduation
 - Post-secondary institutions attended, whether or not the work was completed.
- Proof of Citizenship:
 - Permanent Residents are required to provide proof of immigration status as well as the "Landed On" date
 - Those born outside of Canada are required to provide proof of citizenship.
- Change of Name:
 - Married persons whose academic credentials may be in their birth name or previous married name must submit a marriage certificate for each change. Changes of name for reasons other than marriage must also be substantiated by appropriate certification.
- English Language Requirement
 - Those whose primary language is not English may be required to take a standardized English test (see *English Language Requirement*) and have the test results submitted directly to the University from the testing agency
- Prior Educational Activities:
 - Applicants must provide a detailed account of their educational activities between secondary school (high school) to the date of application for admission. This should include any additional high school, college, university, language classes, etc. This information can be included on the application for admission.
- Translation:
 - Official translations, certified by an educational or embassy official, or made by a certified translator, are required for records that are not in English.

d. Application Deadline Dates

Applications for Admission are available online or in paper. The application and all required documentation must be received by the Admissions Office by the scheduled deadlines. www.uwinnipeg.ca/index/how-to-apply-deadlines

Contact information:

Canadian: admissions@uwinnipeg.ca
International: international.admissions@uwinnipeg.ca
204-779-UWIN (8946)
www.uwinnipeg.ca/index/future-student

e. Acceptance

Acceptance in time to register cannot be guaranteed if the application for admission form and/or the required documents are received after the specified deadline date.

Students who do not register within one year of their acceptance will be required to re-apply. Students who are admitted to the University and register, then subsequently withdraw from the University before classes officially begin, must also re-apply.

f. Readmission

Students who have previously attended The University of Winnipeg and who fall into one of the following categories must apply for readmission by completing an application for continuance form. This applies to the following students:

- Students who have not been registered in courses at the University for one or more years; or
- Students who previously completed a degree program at the University and who wish to return to take further courses towards a second degree or for general interest.

Students who attended another university or college since their last registration at The University of Winnipeg must attach an official transcript to the continuance form for evaluation by the Admissions Office. Registration will not be permitted until the evaluation is done.

g. Retention of Documents

The documents supplied to support an application for admission will be retained for one year from the date of acceptance. After this time period, the application form, transcripts and other materials related to the application will be destroyed. Irreplaceable documents will be returned to the applicant if requested.

2. Admission into a Program of Study

Students are permitted to change their degree program during the course of their studies.

a. Enrolment Limits

Completion of the minimum requirements does not guarantee admission to any course or program at the University. In those instances where the number of qualified applicants exceeds the number that, in the opinion of the University, can be accommodated, the University reserves the right to select from among the qualified applicants.

Applicants seeking admission to some limited enrolment programs (e.g. Education, Applied Biology/Chemistry/Environmental Studies or Joint Communications) are subject to a selection process. Students who are not accepted into these programs may apply to transfer the following year if they qualify academically and are still eligible to do so. International students may not be eligible to enroll in all programs.

b. Admission to the Faculty of Education

Space in the Faculty of Education is limited and not all eligible applicants may be admitted.

- Students currently registered in a BA or BSc program may apply for admission to the Integrated BEd program with advanced standing.

- Successful applicants will need to submit and be cleared on a formal Criminal Record Search Certificate including a Vulnerable Sector Screening, and submit and be cleared on a formal Child Abuse Registry check before admission can be finalized. Applicants who have a criminal record should also be prepared to present an official fingerprint search/disposition. Please see the Education section of the Calendar for more information.
- Students are admitted to the Integrated BEd or After-Degree programs for studies commencing in the Fall Term.
- Applicants to the Integrated BEd Program must meet Regular or Mature Status.
- International Students are not eligible to enroll.

Expanded Admission Policy

The Faculty of Education has established a policy of expanded admission to aid in the recruitment of a group of education students who generally reflect the diversity of the population in Manitoba. Categories of expanded admission include: Aboriginal Peoples of Canada, Visible Persons, and Special Consideration. Please see the Education section of the course calendar for further information.

Certified Teachers

Certified teachers are advised to have their documents reviewed by the Professional Certification Unit, Manitoba Education prior to submitting their application for admission.

c. Radiation Therapy

Space in the Radiation Therapy Degree Program is limited to eight Manitoba Residents and not all eligible applicants may be admitted.

- Students who have completed the specified 24 credit hours of pre-requisites may apply for admission to the Radiation Therapy 4-yr BSc with advanced standing.
- Successful applicants will need to submit and be cleared on a formal Criminal Record Search Certificate including a Vulnerable Sector Screening, and submit proof of current certification of cardiopulmonary resuscitation (CPR) at the basic Life Support (BLS) Health Care Provider (HCP -Level C).
- International Students are not eligible to enroll.

3. Student Admission Categories

A student admitted to the University will receive one of the following status designations:

Regular Student: meets Regular Status entrance requirements.

Conditional Student: has completed the high school courses for entrance requirements with an average between 50 and 64.99% (International Students are not eligible).

Concurrent Student: has registered in a specified number of first-year University of Winnipeg courses while completing entrance requirements at the University's Collegiate division.

Accelerated Student: has special admission to a partial first-year Arts and Science program, while attending a Manitoba high school and simultaneously completing subjects necessary to meet regular entrance requirements.

Mature Student: meets Mature Status entrance requirements, and will turn 21 years of age during the calendar year in which he/she first registers. (International Students are not eligible).

Mature Access Student: meets Mature Access criteria and may enroll in two specified courses. Upon successful

completion (minimum grade of C), the student will move to Mature status.

Probationary Student: has completed some university courses and does not meet the minimum performance standard (International Students are not eligible).

Visiting Student – has a letter of permission from another university to take courses at The University of Winnipeg.

Graduated (Second-Degree Student) – has obtained a first degree from The University of Winnipeg or another university.

Students not Seeking University of Winnipeg Degrees – may, if space is available, be permitted to register for one or more courses. Students in this category are subject to the same regulations and statutes regarding admission, attendance, progress and discipline as are regular students.

4. Admission Requirements

Admission requirements for Canadian and international students can be found online. Please see:
www.uwinnipeg.ca/index/how-to-apply-categories

a. Out-of-Province Canadian High School Applicants

Applications from outside Manitoba will be considered on an individual basis. Applicants who apply after the June 10 deadline are responsible for ensuring that an official transcript showing final grades and proof of graduation is submitted to the Admissions Office by early July. Candidates must present standing in Grade 12 English and admission averages and required courses may vary by Faculty. Normally students must meet at least the university admission requirements of the province of origin. For more information on each province please see:
www.uwinnipeg.ca/index/future-admis-status-08

b. International Applicants

Will be considered for admission to the University on an individual basis. Meeting the minimum academic requirement does not guarantee admission. The University reserves the right to set a level of academic proficiency to determine acceptance. Academic admission is generally that which is required for university entrance in the students' country of study. See www.uwinnipeg.ca/index/intl-admis-list-index.

5. English Language Requirement

The language of instruction at the University of Winnipeg is English. That means you must have a level of ability in English that allows you to participate in all aspects of university study, including lectures, reading, writing, and discussion. If English is not your first/primary language, you must show you are ready to study here by meeting the English Language Requirements of the University. Students will not be admitted until this requirement has been met, at the discretion of the Admissions Office. For more information on the requirements, please visit:
www.uwinnipeg.ca/index/international-engprofgrqmts

6. Transfer of Credit

Students who have been pursuing post-secondary studies at another institution may apply for admission to the University, seeking to complete the work for a first Bachelor's degree; such applicants must be students in good

standing at the former institution. Students seeking a second Bachelor's degree should refer to *Degree and Major Requirements*.

Applicants seeking admission with transfer credit are advised that the courses transferred, together with those they subsequently take at The University of Winnipeg, must meet the general and specific requirements of the Faculty and department in which they choose to major. Applicants should not assume that they will complete the degree with a number of credit hours equal to the difference between total hours required for the degree and transferred hours.

a. International Baccalaureate Program

Credit or advanced standing is granted in specific subject areas for Higher Level courses provided a minimum score of 4 has been attained. An official copy of the International Baccalaureate results must be forwarded to the Admissions Office, or a request may be submitted to IB to enable the University to access official results electronically. Accepting credit is voluntary and students may elect to decline the credit or advanced standing. For complete details visit www.uwinnipeg.ca/index/future-ap-ib-information

b. Advanced Placement Program (College Board)

Credit or advanced standing is granted in specific subject areas on the basis of Advanced Placement (College Board) examinations provided a minimum score of 3 has been attained (in some cases a score of 4 is required). An official mark statement from the College Board must be forwarded to the Admissions Office. Students may elect to decline the credit or advanced standing. For complete details visit www.uwinnipeg.ca/index/future-ap-ib-information

7. Forfeit of Previous Credit – Statute of Limitations

Students who have not registered at any university or degree-granting college for at least three years may choose whether to retain or forfeit previous credits.

A request to forfeit credit must be made in writing to the Admissions Office. The status on admission or re-entry will be determined by pre-university qualifications and current University of Winnipeg admission requirements.

Forfeit of credit will not be granted after a student has graduated from The University of Winnipeg. Students who forfeit credits under the Three-Year Statute of Limitations must fulfill the University degree requirements which are in place when they resume their studies. Students are limited to one opportunity to forfeit credit during their academic career.

8. Admission to Professional Programs

Professional school admission requirements which can be completed at The University of Winnipeg can be viewed at www.uwinnipeg.ca/index/programs-factsheets.

9. Course Auditors

This applies to non-University of Winnipeg students only. Course auditors do not receive credit for courses completed. Any Canadian citizen or Permanent Resident may attend courses at The University of Winnipeg as an auditor provided they receive written permission from the instructor to audit the course which is submitted with an application to audit form. Supporting documentation for normal degree-program admission will not be required.

REGULATIONS & POLICIES

April 18, 2013

1. **Information and Advice**
2. **Regulations Pertaining to Registration**
 - a. Period of Study for an Undergraduate degree
 - b. Definition of Full-time/Part-time students
 - c. Progress through Degree
 - d. Course Auditors
 - e. Maximum Course Load per Term
 - f. Prerequisites
 - g. Recommended Pre-Registration Advising
 - h. Major Declaration and Advising
 - i. Letters of Permission / Registration for Courses at Other Post-secondary Institutions for Transfer Credit
 - j. Holds
 - k. Student Health Plans
3. **Classroom Regulations**
 - a. Attendance
 - b. Course Outlines
 - c. Completing Course Work
 - d. Course Withdrawal/Drop
 - e. Format of Submitted Work
 - f. Identification at Tests and Examinations
 - g. Posting of Grades
4. **Grading**
 - a. Final Grades
 - b. Notification of Grades
 - c. Repeating Courses
 - d. Calculating the Grade Point Average (GPA)
 - e. Degree GPA (Graduation GPA)
 - f. Cumulative GPA
5. **Transcript of Academic Record**
6. **Challenge for Credit – Assessing Prior Learning**
7. **Academic Standing and Status Evaluation**
 - a. Grade Point Requirements For Degrees
 - b. Awards, Bursaries and Scholarships
 - c. Minimum Performance Requirements to Remain in a Program
 - d. Probationary Status Students
 - e. Mature Status Students
 - f. Academic Suspension
 - g. Not Allowed to Continue Status
8. **Student Discipline**
 - a. Academic Misconduct
 - b. Non-academic Misconduct
9. **Senate Appeals**
 - a. Information and Advice
 - b. Admission
 - c. Credit and Audit Status in Courses
 - d. Deferred exams and Incomplete Term Work
 - e. Re-Admission
 - f. Retroactive Withdrawal
 - g. Waiver of Graduation Requirements
 - h. Further Appeal
10. **Grade Appeals**
 - a. Grades on an Individual Item of Work
 - b. Final Grades
 - c. Further Appeal
11. **University Policies And Codes**
 - a. Respectful Learning And Working Environment
 - b. Policy on Integrity in Research And Scholarship
 - c. Policies on Research And Experimental Ethics
 - d. Library Policies
 - e. Computer User Code
12. **Graduation**
 - a. Application to Graduate
 - b. Academic Dress
 - c. Degrees *in Absentia*

1. Information and Advice

As expressed in its guiding principles, The University of Winnipeg is committed to fostering an environment in which “a community of scholars - students and faculty - may have the freedom to examine ideas responsibly, and to participate in the academic operations of the institution through processes which reflect a balance between democracy, efficiency, innovation and accountability.” To this end, the governing bodies of the University have developed various regulations, policies and procedures to guide the activities of this community. Many of these regulations and policies are described or cited in this section. Advice and further information can be obtained from an Academic Advisor. Each policy statement mentions an individual or department to contact for advice and further information.

Information on how to register for courses can be found in the “Registration” section of the website at www.uwinnipeg.ca

2. Regulations Pertaining to Registration

a. Period of Study for an Undergraduate Degree

While the University continues to offer students the conventional route of full-time study towards their degrees, students may choose to pursue the degree on a part-time basis or through some combination of full- and part-time studies. There is no limit to the time it takes to earn a degree.

b. Definition of Full-time / Part-time Students

Students will be registered in one of the two following categories:

- Full-time - Registered for minimum 9 credit hours per term
- Part-time - Registered for fewer than 9 credit hours per term

c. Progress through Degree

Students are considered to have completed the individual years of their degree programs at the following points:

- First year - 30 credit hours completed;
- Second year - 60 credit hours completed;
- Third year - 90 credit hours completed;
- Fourth year - 120 credit hours completed;
- Fifth year - 150 credit hours completed.

d. Course Auditors

Auditing a course means taking the course without receiving academic credit towards a degree. Audited courses will be recorded on the student transcript as AU.

Current students may attend courses as an auditor provided they first request permission to audit the course from the instructor prior to their registration appointment date. If approved to audit the course, permission will be emailed to Registration.

Students wishing to change their registration from credit to audit, or audit to credit, may do so during the period for course and section changes. Any changes after this period must be appealed to the Senate Appeals Committee through Academic Advising.

For information on fees to audit a course, please see *Fees* on the University website.

For descriptions of all student categories, see the “Admissions” section of this Course Calendar.

e. Maximum Course Load per Term

There is a limit to the number of credit hours a student may take per term.

Regular Status

The normal course load for Regular status is 15 credit hours per term.

- Students who have completed 30 credit hours or more, with a GPA of 2.5 (C+) or higher, may register for 18 credit hours per term without seeking written permission.
- All other Regular status students must seek the written permission of an Academic Advisor if they wish to register for more than the normal course load.

• **Probationary/Conditional Status Students**

Probationary and Conditional status students may register for a maximum of 9 credit hours per term. Students wishing to register for more than 9 credit hours per term, must seek written permission of an Academic Advisor before registration.

• **Mature Status Students**

Mature status students are limited to 12 credit hours per term unless written permission for an overload is obtained from an Academic Advisor.

• **Concurrent Status Students**

Concurrent students are allowed a maximum of 15 credit hours per term in courses taken at the Collegiate and the University (a full credit course in the Collegiate is equivalent to 6 credit hours).

f. Prerequisites

A prerequisite is a course that must be successfully completed before a student can register for another course.

Many second, third and fourth year courses have prerequisites which are noted in the course descriptions. It is the student’s responsibility to ensure that all prerequisites are met or a departmental waiver is obtained before registration.

Students who believe they have background comparable to the material in a prerequisite course may ask either the Department Chair or the course instructor for permission to take a course without having taken the prerequisite course(s). Students must first obtain approval for the prerequisite waiver prior to being registered. If

approved, either the instructor or the Department Chair (or designate) will email the permission to Student Central. You will be registered in the course and then notified. If the course is full, you will be placed on the course wait list. Please go to the Registration section of the University’s website, under “Prerequisite and Department Approval” for further information.

Note: WebAdvisor will not allow you to register on your own if you obtained a prerequisite waiver. When a seat is available an email will be sent to your UW Webmail account with instructions on how to claim your seat in the course. For more information please go the Registration section of the University’s website, under “Wait Lists.”

High School Prerequisites for First Year Courses

The following departments and programs have Senior 4 (Grade 12) or equivalent prerequisites which must be met before students may take introductory courses in these departments.

In order to register for:		you must have standing in:
Applied Comp. Science	ACS 1903	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	ACS 1905	Minimum grade of 75 (or equivalent) in Computer Science 40S plus one of Pre-Calculus Math 40S or Applied Mathematics 40S
Biology	BIOL 1115	Chemistry 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	BIOL 1116	Chemistry 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S
Business & Economics	BUS 2002	Pre-Calculus Mathematics 40S or Applied Mathematics 40S *or MATH 0041 and MATH 0042 with a grade of at least C. See department listing for more details.
Chemistry	CHEM 1111	Chemistry 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	CHEM 1112	Chemistry 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S
French	FREN 1111	French 40S* *or French 1001(6) – see French Department course offerings
	FREN 1112	Français 40S, or IB (Standard Level)
Mathematics	MATH 0041	Grade 10 Introduction to Applied and Pre-Calculus Mathematics 20S or Grade 11 Applied Mathematics 30S or permission of the department.

	MATH 0042	A minimum grade of 65 in Pre-Calculus 30S or MATH 0041 or permission of the department.
	MATH 1101	Pre-Calculus Mathematics 40S
	MATH 1102	Pre-Calculus Mathematics 40S of Applied Mathematics 40S
	MATH 1103	Pre-Calculus Mathematics 40S
	MATH 1201	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	MATH 1401	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
Physics	PHYS 1101	Physics 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	PHYS 1301	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
Statistics	STAT 1301	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	STAT 1501	Pre-Calculus Mathematics 40S or Applied Mathematics 40S

i. Letters of Permission / Registration for Courses at Other Post-secondary Institutions for Transfer of Credit

University of Winnipeg students who want to take courses at other recognized universities or accredited colleges for transfer of credit to the Faculties of Arts, Science, Business and Economics, Kinesiology and Education, must apply for a **Letter of Permission (LOP)** by the deadline date for each Term. Letters of Permission must be obtained prior to a student's registering for courses at the host institution. www.uwinnipeg.ca/index/services-letpermission

- To be eligible for a Letter of Permission students must be on **Regular Status** and have successfully completed a minimum of 18 credit hours of University of Winnipeg course work with a minimum GPA of 2.0 (C). This requirement also applies to Transfer Students. (No Letters of Permission will be issued to students whose status is Mature, Conditional, Concurrent or Probation.)

- Students who have not registered in courses at The University of Winnipeg for one or more years must complete an **Application for Continuance** before the Letter of Permission will be processed.

- If there is a HOLD on your student record, the HOLD must be cleared before the Letter of Permission will be processed.

- Each LOP application must be accompanied by the appropriate non-refundable fee. Requests over 15 credit hours will be subject to a \$5 fee per additional 3 credit hour.

- A separate application and fee is required for each term (i.e. Fall, Winter or Spring) and institution regardless of the number of courses being considered. The Session is determined by the Start Date of the course(s).

- Eligible students must be pursuing a degree or pre-professional program at The University of Winnipeg and are requesting permission to take courses acceptable for credit in their degree program.

- Written permission from the appropriate department chairperson is required for major or honours program courses. (Signature on LOP form)

- A maximum of 30 credit hours of course work may be taken on a Letters of Permission for degree credit.

- The Letter of Permission or specific course(s) listed on the form will not be approved if the course(s) listed is offered at The University of Winnipeg. Students may be eligible to receive the Letter of Permission or register for the denied course(s) if they provide a valid written explanation as to why they are registering for the course(s) at the host institution(s).

- Detailed course outlines/syllabi must be submitted if courses are to be taken at institutions outside Manitoba.

- Students may not exceed the maximum course load permitted per term as stated in the Campus Guide. Written permission must be obtained from an Academic Advisor for a course overload.

- Students must apply to the host institution(s) as a Visiting Student, filing the Letter of Permission along with their application for admission.

- Students must notify Student Records in writing (before the end of term) if they did not register for or have withdrawn from the course(s) approved for transfer of credit.

- An official transcript must be forwarded to The University of Winnipeg as soon as final grades are available.

- It is the student's responsibility to ensure that an Official Transcript listing final grades is forwarded to Student Records one month after completion of the course(s). Failure to do so will result in an "F" grade(s).

- Students are reminded that in order to qualify for graduation, a minimum 2.0 GPA (C average) must be attained on all courses taken at The University of Winnipeg. (Note: Courses taken on a Letter of Permission cannot be used to fulfill The University of Winnipeg major or degree residence requirements.) Students are cautioned to check the Course Calendar for the residence and degree requirements.

g. Recommended Pre-Registration Advising

Academic Advising is highly recommended for all newly accepted, first-year, continuing and transferring students. Academic Advisors can assist students with detailed information related to registration, programs, courses, procedures, student services and academic supports. This can be done prior to registration and at any point throughout their education.

First-year students can particularly benefit from information about the registration process while ongoing students can benefit from Academic Advising when they are declaring their major or planning their degree. For some departments, advising is mandatory at the point when students declare their major.

Education students are required to meet regularly with an Advisor regarding course selection and planning. Students with disabilities may benefit from contacting Disability Services prior to registering for courses.

Advising can be done either by appointment or by attending drop-in sessions. To contact Academic Advising, please call (204) 786-9257 or visit "Academic Advising" on the website.

h. Major Declaration and Advising

Students are asked to declare a Major before registering for their 36th credit hour of course work and are **required** to declare the Major before registering for their 60th credit hour of course work.

Students are normally required to consult with, and receive written permission from the Department Chair or Program Coordinator before declaring a Major.

For further information on declaring a Major, please see *Degree and Major Requirements*.

j. Holds

Any hold(s) such as a Library or Fee Hold on a student record must be cleared before a student may register. Suitable arrangements must be made with the department/area from which the hold originated to clear a record.

k. Student Health Plans

• UWSA Student Extended Health, Dental and Vision Plan

- The Student Health, Dental and Vision Plan is implemented by the University of Winnipeg Students' Association (UWSA) for those students who are not already covered under their own or their parents' benefits plans.
- Most students (except for Faculty of Theology, Graduate, PACE, and undergraduate exchange students) are included in the UWSA Health, Dental and Vision Plan, and are automatically charged for this benefit as part of their registration.
- The University's Student Health, Dental and Vision Plan does NOT cover doctor visits, lab costs, or hospital costs. It is a supplemental plan that helps pay for situations not covered under Manitoba Health . i.e. prescription drugs, dental work, vision benefits and ambulance service.
- Full-time students may opt-out of the UWSA Health, Dental and Vision Plan, but they must provide proof of alternate coverage by completing the opt-out form on the UWSA website by the opt-out annual deadline.
- Part-time students may choose to join the plan.
- All students can extend their UWSA health coverage to their spouse and/or dependents.

See www.theuwsa.ca website for details of the plan and annual opt-out deadlines.

• International Students: Manitoba Health (basic)

International students are eligible for Manitoba Health coverage if they have a valid study permit issued by Citizenship and Immigration Canada (CIC) for a minimum of six months and also live in the province for a minimum of six months in a calendar year. Spouses and children of eligible students are also covered if they have visitor visas or are listed on the study permit and live in the province for a minimum of six months. Health coverage is only provided while the study permit is valid.

- What is covered by Manitoba Health?

Manitoba Health directly pays for medical care required, including visits to a health care provider, surgery and diagnostic tests. If a student is hospitalized, the province also covers:

- accommodation and meals at the standard level;
- nursing services;
- diagnostic and lab tests;
- medications given in the hospital;
- costs associated with surgery, including anaesthesia and surgical supplies;
- occupational, speech and physiotherapy; and
- dietary counselling.

- How to get your Manitoba Health card?

The University of Winnipeg requires international students to register with Manitoba Health as soon as they arrive in Manitoba. Registration forms can be printed from www.manitoba.ca/health/mhsip and either submitted in person or mailed to Manitoba Health's Registration and Client Services at 300 Carlton Street, Winnipeg, Manitoba, R3B 3M9. Students must provide a photocopy of their Passport, Study Permit, and proof of Manitoba residency at the time of application. For more information about Manitoba Health coverage, visit www.manitoba.ca/health/mhsip or call (204) 786-7101 or 1-800-392-1207 toll-free.

International Students: **Guard.me More health insurance plan (basic)**

International students not eligible for Manitoba Health are required to purchase basic health coverage through The University, offered by Guard.me More. This plan provides hospital, emergency, ambulance, and private nursing.. For a full listing of coverage details, please contact International Student Services or visit the international section of The University website. This coverage is for students who are studying less than six months and are not eligible for Manitoba Health coverage through the Manitoba Government.

International Students: **Guard.me More health insurance plan (extended)**

All international students are required to purchase extended health coverage through The University of Winnipeg, offered by Guard.me More. This plan covers prescription drugs, vision, emergency dental, immunization, Out of Canada Coverage, and repatriation of the deceased. For a full listing of coverage details, please contact International Student Services or visit the international section of The University website. This coverage is mandatory of all international students, regardless of whether they hold Manitoba Health or Guard.me More basic health insurance coverage.

The University assumes no liability for any failure by the student to maintain adequate medical, hospital, vision or dental insurance, nor is the University responsible for any costs not covered by the student's personal insurance plan(s).

3. Classroom Regulations

The following section describes the rights and responsibilities of students with regard to attending lectures and completing course work. For information about grading and minimum performance levels, see *Grading*.

a. Attendance

Students are expected to be regular in their attendance at lectures and in the completion of work required in each course. Absence may be excused by instructors on the grounds of illness, physical disability, or challenging personal circumstances which are beyond the student's control. The instructor may require a medical certificate or other evidence if many classes are missed. Poor attendance may result in loss of term marks.

b. Course Outlines

At the beginning of each course, students will receive a course outline. The outline should include, but not be limited to:

- An indication of the topics to be covered;
- An indication that all topics listed on the outline may not be covered;
- An indication of equipment authorized for use in exams (e.g. calculators);
- A list of all items of work on which the grade of the class is based and indication of the weight of each individual item of work;
- An indication of when the items of work will be administered and/or submitted, and penalties, if any, for late submission of work;
- The voluntary withdrawal date, without academic penalty;
- The date of the last test/examination or the last item of work such as an essay or project in the class;
- Reference to the appropriate items in sections of the calendar dealing with Senate information on appeals, withdrawal dates, and academic misconduct such as plagiarism and cheating;
- A reading list or other indication of the amount of reading expected in the class;

- A statement indicating whether or not it is a requirement that work submitted for evaluation be either typed or text processed;
- A statement indicating whether or not students will be asked for photo-identification when writing a test or examination;
- Reference to the availability of Accessibility Services.

c. Completing Course Work

Students are expected to complete the work required in each course. Such work may include, but is not limited to, term papers, project reports, presentations, mid-term and other tests, and final examinations. In some situations, students who have not completed the required work by the end of the term may appeal for an extension. See *Appeals*.

d. Course Withdrawal/Drop

A student may choose to drop, or withdraw voluntarily from any course, up to and including the designated voluntary withdrawal deadline for that course. (See "Course Drop Information" and "Course Withdrawal Schedule" on the website for details.) The University may withdraw a student involuntarily from a course due to non-payment of fees, unacceptable classroom behaviour, or other issues. No credit is awarded for the course, and the student is not entitled to any evaluation of coursework that was not yet evaluated prior to the date of withdrawal.

e. Format of Submitted Work

Instructors may require that work submitted for evaluation be either typed or word-processed. This requirement must be stated in the course outline.

f. Identification at Tests and Examinations

Students must have ID available upon request when writing tests and examinations.

Students who are unable to present identification may complete the test or examination but must produce identification within one working day. The test or examination is not graded until identification is assured.

g. Posting of Grades

Instructors may choose to post grades for individual items of work outside their offices. When final grades are posted after the end of the course, students should be aware that such grades have not yet been approved by the department, and may be subject to change.

4. Grading

This section describes the grading system and the calculation of grade point averages (GPA). Grades obtained by students in their program of studies are governed by the following Senate regulations.

a. Final Grades

Final grades are determined by a combination of:
 – the weight or value of grades on work completed during the course, as prescribed in the course outline, including the final examination grade;
 – evaluation of class participation, seminar presentation, and discussion.

To receive credit, students must obtain a grade of A+, A, A-, B+, B, C+, C, D, or S (Standing). **Note:** A grade of "Standing" indicates successful completion of a pass/fail course, or completion of courses taken at international universities or colleges. Total credit hours earned in "Standing" courses are counted towards the degree but are not included in the GPA calculation. Students receive no credit for a failing grade (F). This grading system applies to all Undergraduate courses, and to Graduate courses within the Faculties of Arts, Science, and Business and Economics. Please refer to "Graduate Studies" for the grading system for

the Faculty of Theology and the Master's of Marriage and Family Therapy Program.

All final grades are issued by Student Records, upon approval by Departments and Programs, on behalf of The University of Winnipeg Senate.

b. Notification of Grades

During the term, instructors must return or show evaluated term work to students with any comments and the assigned grade within a reasonable time period following the completion of an assignment.

After the term is completed, grades assigned to all term work must be available to students no later than 10 working days following the date designated for a final examination in a course. Students are responsible for getting the grades for individual assignments from the instructor or the Department when course work, including the final examination, is graded after the close of classes.

Instructors may return or keep final examinations for a period of one year. Students who have filed an appeal against the final grade have the right to see the final examination. Official final grades are made available to students through the Registrar.

c. Repeating Courses

Unless otherwise noted in the course description, a given course may be used only once for credit toward major or degree requirements.

A course may be attempted a maximum of two times if passing grades are achieved in both attempts. This maximum may be waived by the department or program at their discretion. Students may repeat any course regardless of the previous grade. Students do not have to repeat courses in which they get a failing grade unless the course is required as part of their degree program. Repetition of a course does not result in removal of the previous attempt from the student's record, though the cumulative Grade Point Average calculation may be affected.

Note: A course title and/or description may be updated from one year to the next, but if the course number stays the same, this indicates that it is essentially the same course and cannot be repeated for additional credit, unless explicitly noted in the course description. When registering, please check course numbers carefully to avoid taking the same course twice.

d. Calculating the Grade Point Average (GPA)

Final grades in each course are reported in letter grades to get the grade point average, or GPA. The following table indicates the relationship between letter grades and grade points.

Grade Point System

Subjective evaluation	Letter grade	Grade points earned		Weighted grade points	
		6 credit hours	3 credit hours	6 credit hours	3 credit hours
Excellent	A+	4.5	2.25	27	13.5
	A	4.25	2.125	25.5	12.75
	A-	4	2	24	12
Superior	B+	3.5	1.75	21	10.5
	B	3	1.5	18	9
Slightly above average	C+	2.5	1.25	15	7.5
Average	C	2	1	12	6
Marginal	D	1	0.5	6	3
Failure	F	0	0	0	0

There are two types of grade point averages (GPA), degree GPA and cumulative GPA.

Note: The University of Winnipeg does not have a standardized numerical grade conversion scale for each letter grade it awards.

e. Degree GPA (Graduation GPA)

The degree GPA is calculated on credit hours used for a degree. It is calculated by dividing the weighted grade points by the number of credit hours passed. The number of credit hours in "Standing" courses are used towards a degree but are not included in the GPA calculation. If courses have been repeated, the higher of the two grades is used.

f. Cumulative GPA

The cumulative GPA is currently calculated on all credit hours attempted. It is calculated by dividing the weighted grade points by the total number of credit hours passed and credit hours failed. The number of hours in "Standing" courses are not included in this calculation. In the case of a repeated course, prior to Spring 2009, both grades and the number of credit hours in both courses will be included in the calculation. Beginning Spring 2009, repeated courses will count only the best grade, however, both attempts will appear on the transcript.

5. Transcript of Academic Record

Upon written request of the student, an official transcript of the student's academic record can be sent by Student Records directly to another institution or agency indicated in the request. Each transcript will include the student's complete record at the University to date. Since standing is determined by the results of all final grades in the term, transcripts showing Fall Term grades are available at the end of January, Fall/Winter and Winter Term grades at the end of May, Spring Term grades at the end of July, and Summer Session grades at the end of August. Transcripts will normally be issued within five (5) working days after the written request has been received by Student Records. However, during these peak periods this process could take seven to ten (7 - 10) working days.

A student's record is confidential. Transcripts are issued only at the request of the student. All transcript requests must be accompanied by payment and a Transcript Request Form (see *Transcripts* on the website). Transcripts will normally be issued within five (5) working days after the written request has been received by Student Records.

Transcripts will not be issued until all financial obligations to the University and any "Holds" which have been placed on the student's record, including Library, Admissions, and Awards and Financial Aid, have been cleared.

Students who require proof of degree completion prior to convocation can request a letter from the Convocation/Academic Program Officer in Student Records.

6. Prior Learning Assessment and Recognition - Challenge for Credit

Prior Learning Assessment and Recognition (PLAR), at The University of Winnipeg, is a method by which a student may, with appropriate evidence and documentation, be able to obtain credit for learning acquired outside the University.

Note: Regulations and procedures for PLAR in the Professional, Applied and Continuing Education (PACE) and Graduate Studies Programs may differ from those of the Faculties of Arts, Science, Education, Business and Economics, and Kinesiology. Please check with PACE or Graduate Studies for information.

Procedures:

- The student must apply to and be accepted by The University of Winnipeg.
- The student reviews PLAR instructions on the Adult Learner Services website and then consults with the Coordinator of PLAR in Student Services and applies for Challenge for Credit.
- The student must provide a summary of prior learning and receive permission to PLAR a course for credit from the Department Chair/Instructor offering the course.
- The student will complete appropriate advising and orientation as determined by the University and the department.
- The Department Chair/Instructor will determine the appropriate mode(s) of assessment for the course(s) (e.g., portfolio, examination, demonstration, interview, presentation).
- Once the student and Department Chair/Instructor agree to proceed with PLAR, the student must complete and sign an Assessment Agreement Form in consultation with the Department Chair/Instructor and return the form to the Coordinator of PLAR.
- The fee (½ the course tuition/registration/ancillary fees) must accompany the Assessment Agreement Form.
- Within the set deadline the student completes the agreed upon assessment(s).
- If the student does not receive credit after challenging a course, a note to this effect will be placed in the student's file but will not be entered on the student's WebAdvisor transcript or the official transcript.
- If a student does not receive credit after completing the assessment process, one further attempt can be made to challenge for credit after a minimum of six months, provided the student produces evidence of additional learning. The course instructor may inform the student of areas where learning is inadequate and may be able to recommend ways to acquire or demonstrate that learning.

Regulations and Policies:

- PLAR in the Faculties of Arts, Science, Education, Business and Economics, and Kinesiology is only available to students who have been admitted to The University of Winnipeg.
- The student may use a maximum of 30 credit hours of PLAR towards a degree.
- Credits gained through PLAR cannot be used to fulfill The University of Winnipeg residence requirements.
- A maximum of 60 credit hours from the combination of PLAR credits and transfer credits can be used toward a degree.
- The student who is successful will receive a grade of S ("Standing") in the course rather than a letter grade.
- Credit will only be awarded for work meeting the standard expected of students who successfully complete the course with a grade of "C" or better.
- Credits obtained through the PLAR option will be recorded on the student's official transcript as PLAR.
- The student may only use PLAR for courses delivered by The University of Winnipeg (i.e., only courses which appear in the Course Descriptions section of this Calendar or in The University of Winnipeg Timetable).
- Students may not be considered for PLAR in a course if they have previously registered in that course or its equivalent at The University of Winnipeg or another university. Exceptions to this rule will be made for those students who have withdrawn within the first two weeks of a course.
- Challenge for Credit in the Faculty of Education: Students cannot request challenge for credit for Curriculum, Instruction and Assessment Courses or Practicum Blocks. However, students may request challenge for credit in other Education courses; please follow the previously outlined

procedures and policies. For more details refer to Faculty of Education, General Information.

- For more information on PLAR, consult the website at adultlearner.uwinnipeg.ca

7. Academic Standing and Status Evaluation

a. Grade Point Requirements for Degrees

Summary of GPA requirements for degrees granted by the University of Winnipeg

Degree	Minimum weighted GP	Credit hrs	Minimum Cumulative GPA	Notes
BA, BBA or BSc 3-Year	180	90	2.0	Minimum 2.0 GPA -on U of W courses used for graduation -on Courses used for the major Only courses with D or better can be used for graduation. The 90 credit hours presented for graduation must meet all degree requirements. Students on probation may try a maximum of 120 credit hours to gain a degree. Students with Regular status and a cumulative GPA of 2.0 or better may exceed 120 credit hours in attempting to gain a degree.
BA Honours		120	3.0 2.5	Minimum 3.0 GPA -on honours subject courses, including course repeats and failures Minimum 2.5 GPA -on non-honours subject courses where Fs are not included and in the case of repeated courses, only the highest grade will be used
BSc Honours		120	3.0 2.75	Minimum 3.0 GPA -on honours subject courses, including course repeats and failures Minimum 2.75 GPA -on non-honours subject courses where Fs are not included and in the case of repeated courses, only the highest grade will be used
BA, BBA or BSc 4-year	240	120	2.0	Minimum 2.0 GPA - on U of W courses used for graduation - on courses used for major Only courses with D or better can be used for graduation The 120 credit hours presented for graduation must meet all degree requirements.
Integrated BEd/BA or BSc	300	150	2.0	Minimum 2.0 GPA. The 150 credit hours presented for graduation must meet all degree requirements.
Second Bachelor's degree			2.0	Minimum 2.0 GPA in courses presented for graduation Requirements for the degree being sought must be met by courses presented for graduation and relevant courses credited in the earlier degree.

b. Awards, Bursaries and Scholarships

The University of Winnipeg is committed to assisting students with their direct education costs and recognizing academic excellence.

We offer diverse financial assistance opportunities for every student in our community, including awards for first generation students, Aboriginal students, students with disabilities, athletes and those enrolled in particular majors or year levels.

All of the scholarship and financial assistance opportunities available at the University are listed in the Awards Handbook. This can be found online: www.uwinnipeg.ca/index/servicesawds-events-resources-awards

Below are some of the general scholarships students can receive in any of our undergraduate Faculties:

Special Entrance Scholarship

Automatically offered to all Grade 12 graduating students coming directly from a high school in Canada, and to international students from the United States or those studying Canadian curriculum abroad. All students must meet the conditions below. These scholarships are offered without the necessity of a scholarship application.

- Have at least an 80% final Grade 12 award average
- Apply for admission to the University by March 1
- Enroll in a minimum of 12 credit hours for the Fall/Winter.

• Academic Proficiency Scholarship

These scholarships are awarded to all currently registered students who have achieved a cumulative grade point average of 4.00 or higher on at least 12 credit hours completed in the previous Fall/Winter and Summer sessions combined. Students will be considered for this scholarship after the completion of 30 credit hours at The University of Winnipeg. Eligible students will be rank-ordered and awards will be offered to them, beginning with those at the top of the list, until all the money in the scholarship budget has been disbursed or until the last student on the list has received an offer, whichever comes first. Graduated students who are not currently enrolled who have met the criteria will receive a transcript notation only.

GPA	12-15	18-21	24-27	30+
4	\$100	\$150	\$200	\$250
4.1	\$150	\$200	\$250	\$300
4.2	\$200	\$250	\$300	\$350
4.3	\$250	\$300	\$350	\$400
4.4	\$300	\$350	\$400	\$450
4.5	\$350	\$400	\$450	\$500

• Deans' Honour List

This academic distinction is awarded to currently registered students who have achieved a cumulative grade point

average of 3.55 or higher on at least 18 credit hours completed in the previous Fall/Winter and Summer sessions combined. Students will be considered for this distinction after the completion of 30 credit hours at The University of Winnipeg. Students with a grade point average of 3.55-3.99 are recognized as a “student of distinction.” Students with a grade point average of 4.00+ are recognized as a “student of highest distinction.”

c. Minimum Performance Requirements to Remain in a Program

An evaluation of student performance is conducted at the *end of the term* in which students have completed their first 18 credit hours, and then at the end of each subsequent term to determine if students have a sufficient GPA to continue in their program.

–Students who achieve the minimum performance level are considered to be in good standing.

–Students who do not achieve the minimum performance level are placed on probation.

–Students who continue to perform unsatisfactorily are placed on academic suspension.

–To continue at the University on Regular status, students must meet the minimum grade point level shown in the Minimum Performance Table below.

–Students who accumulate more than 30 credit hours of failing grades exceed the number of course attempts allowed to get a degree, and are not allowed to continue with their studies.

To calculate minimum performance the student must have achieved a minimum GPA on the credit hours attempted according to the scale in the table below. If a grade is S (Standing), it is evaluated as a grade point of 2.0 for purposes of this calculation.

Minimum Performance Table

Credit hours attempted	Minimum GPA	Credit hours attempted	Minimum GPA
18-30	1.4	60.01-90	1.6
30.01-60	1.5	90.1+	1.65

d. Probationary Status Students

Students are placed on probation when their end of term evaluation shows that their performance level has fallen below the minimum required. Probationary status is effective immediately.

When students are on probation, their performance level is re-evaluated after subsequent terms. At that time, to remain at the University, they must have achieved one of the following conditions:

- To regain Regular status, students must meet the performance level based on all courses attempted.
- To remain on Probationary status, students must obtain a minimum 2.0 GPA on courses attempted since the last assessment.

Failure to achieve either of these two conditions will result in academic suspension.

Students on probation cannot enrol at other universities to try to remove the probationary status, and should consult an Academic Advisor to discuss their course load, their course selection, and the effects of probation on their academic career.

Students in the Integrated BEd/BA or BSc program who are placed on probation are removed from the BEd portion of the program but can remain in the Arts or Science program. They can seek readmission to the BEd program as a Transfer or After-Degree applicant if they achieve Regular status and meet the admission requirements. Applicants to the BEd program must be on Regular or Mature status.

e. Mature Status Students

Mature status students are **admitted on probation**. After 24 credit hours, if they meet the minimum performance level indicated in the Minimum Performance Table, they are given Regular student status. They may be given Regular status if they meet the minimum performance level with fewer than 24 credit hours.

If they do not meet the minimum performance level, they are **not allowed to continue** with their university studies. If a student is registered in the term during which notification of the impending status change is sent, the not

allowed to continue status becomes effective at the end of that term, unless the student chooses to withdraw immediately.

Students on “not allowed to continue” status must re-apply for admission and must meet Regular status admission requirements. Degree credit is granted for courses previously completed at the University. In extraordinary circumstances, students may appeal for reinstatement. (See *Appeals*).

f. Academic Suspension

Probationary status students who continue to perform below the minimum performance level are placed on academic suspension. If a student is registered in the term during which notification of the impending status change is sent, the suspension or withdrawal becomes effective at the end of that term, unless the student chooses to withdraw immediately.

The first academic suspension is normally for one calendar year. A student on academic suspension cannot resume studies until the suspension period has expired. To seek reinstatement after a first suspension, the student must see an Academic Advisor after completing the Application for Continuance process.

Second and subsequent suspensions are for two years. To seek reinstatement after a second or subsequent suspension, the student must submit a request for reinstatement in writing to the Senate Appeals Committee. (See *Appeals*). Submission of an appeal does not assure reinstatement.

g. Not Allowed to Continue Status

Students who receive more than 30 credit hours of failures have exceeded the maximum number of course attempts to get a degree, and are not allowed to continue their studies. They are expected to sit out for three years and forfeit credit if they wish to return. (See *Admission and Readmission*).

If a student is registered in the term during which notification of the status change is sent, the withdrawal from

the university becomes effective at the end of that term, unless the student chooses to withdraw immediately.

In extraordinary circumstances, students may appeal in writing for reinstatement to the Senate Appeals Committee. (See *Appeals*).

8. Student Discipline

a. Academic Misconduct

In order to promote academic integrity, fairness, and an atmosphere of collegiality at the University, the Academic Misconduct Policy sets out the principles and procedures governing academic misconduct committed by students.

The Policy applies to all students enrolled at the University, including, but not limited to, those in undergraduate certificate, diploma and/or degree programs, graduate certificate, diploma and/or degree programs; and PACE certificate or diploma programs.

Principles

- The University has a responsibility to set standards of student conduct that promote and maintain an environment in which academic integrity is understood and valued, and serves as the basis for student learning.
- The purpose of defining academic misconduct is not to be punitive but rather to encourage appropriate student conduct and, when necessary, to identify and regulate student academic misconduct that infringes on the culture of academic integrity upon which the University must be built.
- Students shall not commit acts of academic misconduct, as defined below.
- Any student found to have committed an act of academic misconduct may be penalized.
- The procedures for determining if a student has committed an act of academic misconduct shall be fair, and conducted in accordance with the rules of natural justice.

Definitions

i) Plagiarism

Plagiarism is a form of academic dishonesty in which students present published or unpublished work (written, digital, or other) of another person or persons, or one's own prior work, in its entirety or in part, as their own original work. While scholarship quite properly rests upon examining and referring to the thoughts and writings of others, when excerpts are used in any work submitted for evaluation, the sources must be acknowledged, using an accepted format for the discipline.

Work of another person can include, but is not limited to, essays, literary compositions and phrasing, oral presentations, performance compositions, chemical compounds, art works, laboratory reports, research results, calculations and the results of calculations, diagrams, constructions, computer reports or software, and material derived from sources such as CD ROMS, DVDs, the Internet and/or other digital sources.

Acts of plagiarism may include, but are not limited to, one or more of the following:

- not giving recognition to the author for phrases, sentences, thoughts, code, or arguments incorporated in written work, software or other digital sources, which can take the form of incomplete footnotes, endnotes, references and/or bibliographies; not using quotation marks or referencing appropriately when quoting directly; submitting in whole or in part, someone else's work as one's own;
- not referencing appropriately when quoting indirectly, to indicate the source of the ideas and work of another;

- submitting the same work for evaluation to more than one course without the consent of each instructor to do so;
- two or more students submitting identical or virtually identical work for evaluation when the work was intended to be completed individually.

ii) Cheating

Cheating is an attempt to gain an improper advantage in an academic evaluation (e.g., examinations, tests, or assignments).

Acts of cheating may include, but are not limited to, one or more of the following:

- copying another person's answer;
- communicating with others at a test/exam with the purpose of obtaining, exchanging or imparting information being tested;
- consulting unauthorized sources to obtain assistance, including, but not limited to, written, digital and/or other aids not approved by the instructor;
- obtaining a copy of an examination or test, or examination or test questions, before they are officially available;
- purchasing exams, essays or other assignments, in whole or in part, and submitting these works for evaluation as one's own.

iii) Improper Research/Academic Practices

Engaging in dishonest research practices is academic misconduct, including, but not limited to, one or more of the following:

- fabricating or falsifying investigative results and reporting those as valid;
- taking or using other people's research results without permission and/or acknowledgment;
- misrepresenting research results or methods through selective omission or manipulation of research design, data or citations;
- referring to resources known not to exist or the listing of others who have not contributed to the work;
- contravening the University's Policy and Procedures on Integrity in Research and Scholarship as that Policy relates to students.

iv) Obstruction of the Academic Activities of Another

It is academic misconduct to interfere with the scholarly/academic activities of another for malicious interference or in order to gain unfair academic advantage.

v) Impersonation

It is academic misconduct to impersonate someone or to allow oneself to be impersonated, in writing, digitally, or in person in class, in a test or examination, in connection with any type of course assignment or requirement, or in connection with any other University requirement. Both the impersonator and the person impersonated may be accused of academic misconduct.

vi) Falsification or Unauthorized Modification of an Academic Record

It is academic misconduct to falsify, fabricate, or in any other way modify an examination/test, transcript, grade, letter of recommendation, permission form, admission form, continuance form or other academic document, including, but not limited to, one or more of the following:

- making false claims or statements;
- submitting false information (e.g., false medical or other such certificate);
- altering official documents or records (e.g., transcripts);
- omitting information (e.g., failing to divulge facts about previous attendance at another postsecondary educational

institution on an admissions application or continuance form).

vii) Aiding and Abetting Academic Misconduct

Knowingly aiding and abetting anyone in an act of academic misconduct shall itself be considered academic misconduct, including, but not limited to, one or more of the following:

- writing or providing an essay or other assignment in whole or in part for another student to submit as his/her own;
- offering for sale, or facilitating the sale of, exams, essays or other assignments, in whole or in part, with the awareness that these works would be submitted for evaluation;
- profiting or benefiting from the results of impersonation.

Academic Misconduct - General Process

The process for determining if the Policy has been violated, that is, if an act of academic misconduct has been committed, and for imposing a penalty or penalties for any such violation, is outlined below.

- i)** Confidentiality shall be maintained by the University at every point in the process. Additionally, anonymity shall be maintained in all case summaries and reporting.
- ii)** No person who was previously involved with allegations of academic misconduct may be involved in later stages.
- iii)** At the onset of any level of the process, a student alleged to have committed an act of academic misconduct shall be notified that he/she may raise an objection concerning conflict of interest or known bias at the outset. If the student fails to do so, he/she is deemed to have waived any objection.
- iv)** The student may appeal a dismissal of a conflict or bias objection, to the Senate Academic Standards and Misconduct Committee, which shall determine if the conflict or bias objection has merit, and, if so, the entire process shall be repeated, so as to remedy the conflict or bias.
- v)** A student alleged to have committed an act of academic misconduct shall be notified in writing of the following:
 - a description of the allegation;
 - an outline of the process;
 - the decision, and reasons for the decision;
 - the right to raise any objections with respect to the process and whatever right to appeal that exists at a particular stage of the process.

Notification shall be as follows:

- the student shall be notified by an "acknowledgment of receipt" letter delivered by courier or in person or sent by certified mail to the student's most recent address contained in the University's records;
- the letter (in the case of courier or in person delivery) may be left with the student or at the student's most recent address contained in the University's records (courier, receipt signed);
- the student shall be deemed to have received full and proper notice immediately upon notification in accordance with any of the above methods, even if actual notice is not received;
- the student shall have 15 calendar days to respond in writing from the time of notification, or deemed notification, after which the process may begin.

vi) A student alleged to have committed an act of academic misconduct has a right to submit written information and other documentation, at any level of the process, and a right to be heard in person, on request, at any level of the

process. The student shall be informed of this right at each stage of the process.

vii) A student alleged to have committed an act of academic misconduct has a right to representation and may be accompanied by another person for any personal attendance before University officials and/or committees pursuant to this Policy.

viii) Decisions pertaining to academic misconduct will, to the extent practicable, be made according to this Policy, however, strict compliance is not a prerequisite to the imposition of a penalty or penalties, and circumstances may warrant other than strict compliance.

ix) Archival files pertaining to academic misconduct shall be maintained by the Vice- President (Academic).

Level I: The Instructor (or allegations arising other than during a course)

When evidence of alleged academic misconduct is discovered during a course, the instructor shall meet with the student within 15 calendar days to discuss the concern and then decide to either grade the materials and not begin the Academic Misconduct process (ie. no record of alleged academic misconduct is kept) or begin the Academic Misconduct process by informing the person responsible (Department Chair, Coordinator or DRC Chair) for that faculty, department or division, in the form of a written report, which shall, at a minimum, include the following:

- the date on which the alleged misconduct occurred;
- a statement and detailed description of the alleged misconduct;
- any documentary or other evidence that supports the allegation of misconduct;
- mindful of General Process (vii), a signed statement by the student, if the student has admitted to the alleged misconduct;
- a record of any oral or written communication with student(s) involved in the alleged misconduct.

Grading Guidelines for Instructors

The instructor, or other person responsible for student academic matters, shall not assess a penalty for an alleged act of academic misconduct, for example, by giving a failing grade for a course solely on the basis of alleged academic misconduct on an individual part of a course's requirements (e.g., an essay or examination). If evidence of academic misconduct is discovered, the instructor, after initiating the process under this Policy, may either grade the item in question on the basis of its academic merits, without regard for the alleged act of misconduct as defined in this Policy and inform the student that the grade is provisional, pending the outcome of the academic misconduct process; OR delay grading the item in question, again on the basis of its academic merits, pending the outcome of the academic misconduct process, and inform the student of the reason for the delay. However, in the case of a final course grade, a provisional grade shall not be submitted, because based on a provisional grade, a student might graduate, prior to the completion of the academic misconduct process. In the case of suspected academic misconduct during an exam, the following steps should be taken:

- do not suspend the exam process;
- do not suspend the exam for the student or the students concerned;
- allow them to continue to completion but collect any allegedly offending materials at the time they are discovered
- note your concerns on the exam when you receive it;

- at the time you receive the exam, communicate your concern with the student or students. Notify the student or students that they will be invited to meet with you within 15 calendar days.

If a course in which a case of alleged misconduct occurred has ended, and final grades must be submitted, the instructor shall submit final grades for the course, without entering a grade for the student in question, AND notify Student Records, with a copy to the appropriate person, for that faculty, department or division (example, DRC chair, department chair, and director), that this grade is pending and will be submitted upon completion of the academic misconduct process.

If allegations of academic misconduct arise other than during a course (e.g., transcript forgery, false documentation), the head of the unit involved shall provide a written report of the allegations, directly to the Dean who is the Chair of the Academic Standards and Misconduct Committee, including the same information required from an instructor, as outlined above. The Dean shall give written notice of the allegations to the student and refer, in writing, the reported allegations to the Senate Academic Standards and Misconduct Committee.

Level II: The Faculty, Department or Division

Upon receipt of the instructor's written report under Level I, the appropriate person for that faculty, department or division, within 2 working days shall notify the student in writing of the allegation of misconduct. The written notice shall include the instructor's written report of the alleged misconduct, and a notification of the student's right to be given an opportunity to be heard, in writing and in person, within 10 working days of receiving the notice. The Instructor and the Chair of the Senate Academic Standards and Misconduct Committee shall be provided with a copy of the notice sent to the student.

The appropriate person (or committee) for the faculty, department or division shall review all available and relevant information and documents, shall make a recommendation as to whether or not an act of academic misconduct has been committed, and shall recommend appropriate penalty.

Within 2 working days of making its finding, either way, the faculty, department or division shall forward the complete record of the process to the Chair of the Senate Academic Standards and Misconduct Committee, which shall include the following documents:

- a report of the process to that point, and reasons for recommendation, and the recommended penalty, if applicable;
- the instructor's file
- a record of any oral or written communication with and by the student in question;
- any further relevant materials.

Level III: The Senate Academic Standards and Misconduct Committee

The Senate Academic Standards and Misconduct Committee, as constituted under the Senate Standing Rules, upon receipt of the written report of the faculty, department or division, or upon receipt of allegations of misconduct arising other than during a course, shall notify the faculty member through the appropriate person or committee for the faculty, department or division (for example, the DRC) and the student in writing of the recommendations of Level II and of his/her right to appeal that recommendation.

To appeal the recommendation and/or the recommended penalty, the student shall have 10 working days from receipt of such notice to appeal the finding and/or the penalty, as the case may be, and present any relevant written information in writing, and/or to request in writing, an appearance before the Committee in person.

Committee Process

The Senate Academic Standards and Misconduct Committee may determine its own procedures and may receive evidence from the student and other persons who have information relevant to the process.

After the 10 working days have elapsed, the Committee shall meet, and where the Committee receives a written request from a student for an in person appearance, the Committee shall schedule the appearance.

Where the student does not request an appearance in person, the Committee shall decide whether or not an act of academic misconduct has been committed by the student, based on the documents submitted and other available evidence and information.

The Committee shall have access to all relevant materials.

The record at Level III shall include the following:

- all materials forwarded from Levels I and II;
- any new information relevant to the case and not presented at Level I or II;
- all Committee communications, written or transcribed from an oral interview;
- the notes of all Committee meetings;
- a summary report of process at Level III, decisions of the Committee, and reasons for any decisions.

After considering all evidence received, the Committee may:

- make a finding of academic misconduct, and determine an appropriate penalty or
- dismiss the allegations of academic misconduct.

Notification of Decision

The Committee shall, within 2 working days of making a decision, inform the student and the faculty member through the DRC, in writing of its decision and its reasons. The decision of the Committee shall be final, except if allegations of academic misconduct arise other than during a course, in which case the decision of the Committee, either with respect to a finding of academic misconduct, or the penalty imposed, may be appealed to the Vice-President (Academic) who will make a decision within 15 calendar days and that decision shall be final. In such cases, the Vice-President Academic shall grant or deny the appeal, based on the record at Level III.

Appeals

The student shall have the right to appeal a finding of academic misconduct and / or the penalty imposed by Senate Academic Misconduct Committee to the Senate Academic Misconduct Appeals Committee in accordance with the procedures described in this policy.

Level IV: The Senate Academic Misconduct Appeals Committee

A student may appeal a finding of academic misconduct and/or a disciplinary penalty to the Senate Academic Misconduct Appeals Committee. The appeal must be initiated within 10 working days of receipt of written

notification to the student of the decision of the Senate Academic Misconduct Committee under LEVEL III. The appeal must be in writing and addressed to the Chair of the Senate Academic Misconduct Appeals Committee. The appeal must state specifically:

- the decision which is being appealed;
- the reasons for the appeal;
- the general nature of any new evidence, if any;
- the remedy being sought.

The Senate Academic Misconduct Appeals Committee, as constituted under Senate standing rules upon receipt of a written appeal by a student found to have committed academic misconduct shall, within 2 working days, notify the faculty member and the appropriate person or committee or the faculty, or division (for example, the DRC) of the appeal.

Notification of Decision

Upon receipt of the written appeal, the Chair of the Senate Academic Misconduct Appeals Committee shall notify the student in writing of his/her right to present further relevant information in writing to the Senate Academic Misconduct Appeals Committee, of his/her right to appear in person before the Committee, and of his/her right to be represented and/or to be accompanied by another person during such an appearance before the Committee.

The student shall have 10 working days from receipt of such notice to present further relevant information and/or request a hearing.

Committee Process

The Senate Academic Misconduct Appeals Committee will determine its own procedures and may receive evidence from the student and other relevant persons. The Senate Academic Misconduct Appeals Committee may request an interview with the student and/or with anyone who has information relevant to the matter before it.

After the 10 working days have elapsed, the Senate Academic Misconduct Appeals Committee will meet.

- In cases where the Committee receives a written request from a student for a hearing, the Committee shall schedule a hearing. At such a hearing, the student may be accompanied as per "Notification of Decision" (see above).
- In cases where the student does not request a hearing, the Committee may decide the matter based on the written material and other available evidence and information

The Senate Academic Misconduct Appeals Committee will have access to all relevant material including, but not limited to, the student's written appeal, all documentary material and information relating to the case as well as the decision and reasons for the decision from the respective Senate Academic Misconduct Committee relating to the disciplinary action that is being appealed.

The working file includes all above forwarded materials as well as the following documents:

- all material forwarded from Levels I, II and III;
- a summary report of the case, processes used in level IV, decisions and reasons for them;
- all Senate Academic Misconduct Appeals Committee communications, written or transcribed from an oral interview, concerning the case;
- the minutes of all relevant Senate Academic Misconduct Appeals Committee meetings;
- any new information relevant to the case and not presented at Level I, II or III;
- the confidential Deans' Office file relevant to the case;

- a summary report of the case, decisions and reasons for them.

After considering all of the available and relevant material, information and evidence, the Senate Academic Misconduct Appeals Committee may:

- uphold a finding of academic misconduct;
- revise a finding of academic misconduct;
- confirm a penalty;
- assess a different penalty; or
- allow the appeal and dismiss the case.

Notification of Decision

The Senate Academic Misconduct Appeals Committee shall, within 2 working days, provide written notice to the student and the instructor through the appropriate DRC of its decision and its reasons.

Academic Misconduct Files

Level I - There is no permanent file kept. All documents are submitted to Level II.

Level II - There is no permanent file kept. All documents are submitted to Level III.

Level III - A confidential file is kept by the respective Senate Academic Standards and Misconduct Committee in the office of the Dean who is Chair of the Committee. This file contains the following information:

- the index of names, dates and kinds of misconduct and penalties of all misconduct cases;
- summaries of each misconduct case;
- copies of official communications;
- meeting notes of the meetings of the Committee.

Level IV - A confidential file is kept by the Office of the Vice-President Academic. The file contains all documentation considered during the Senate Academic Misconduct appeals process. The official archival files containing the confidential records of all academic misconduct cases are kept in the Office of the Vice-President (Academic). The contents of each file are as follows:

- when academic misconduct has been found to have occurred:
- The file will contain all materials and documents pertinent to a case; these will include, but are not limited to, the following:
 - individual file record of all steps in the process; evidence; documentation; communication;
 - a case summary where the student's identity is removed;
 - individual files will be kept for 10 years;
 - case summaries will be kept indefinitely;
 - records of expulsions will be kept indefinitely.
- when academic misconduct has been found NOT to have occurred:
 - the actual records of the case will be destroyed;
 - case summaries will be kept indefinitely.

Case Summaries

The summary of each case will include a brief outline of the case, the disciplinary action taken, and the reasons for the action. In all cases, the summary will be written in such a way as to ensure complete confidentiality and anonymity for the student.

Access to Archival Discipline Files

Only the Academic Standards and Misconduct Committee and the Vice President Academic have the right to access the archival files and only on a need-to-know basis.

Student Records and Notations of Disciplinary Action

The Chair of the Academic Standards and Misconduct Committee shall notify the Records Office of all disciplinary actions taken; this includes penalties assessed, subsequent appeals and the appeals outcomes. If the penalty involves suspension or expulsion from the University, the Chair of Academic Standards and Misconduct Committee will inform the Records Office of the need for this to appear on the student's record, how long it should remain on the record, and the conditions for removing it from the record. The Records Office may be asked by the Chair of Academic Standards and Misconduct Committee to withhold the issuance of transcripts or statement of grades for the student disciplined pending the expiry of the appeal or exhaustion of the appeal process.

The student's official file in the Records Office should contain the final decisions of penalty made in cases; all previous communication to the Records Office about the case will be destroyed when a final resolution is reached. In a case where the final decision is a finding that no academic misconduct occurred, thus overturning a previous penalty, all material pertaining to the case will be destroyed.

Notations on Student History/Record

- If the penalty is a lowered or failing grade for a specific item of work or for a course in its entirety, there is no notation placed on the student history and transcript. The history and transcript will reflect the grade as though it were an earned grade.
- If the penalty is suspension from the University, a notation is placed both on the Student History and the official transcript. The notation is removed two years after termination of suspension.
- If the penalty is expulsion from the University, the notation remains permanently on both the Student History and the official transcript. (This notation may only be removed upon successful petition to the President by the student.)

Academic Misconduct and the University Community

Evaluation and Annual Report to the University Community

An annual report will be presented to Senate by the Chair of the Academic Standards and Misconduct Committee. The report will be presented in such a way as to maintain confidentiality and anonymity. It will chronicle the number of cases, the faculties, departments, divisions, and units and, where feasible, the courses in which they occurred, the types of misconduct, and the kinds of penalties assessed. This report will be based on information received from levels II and III. This report will also be published so that members of the University community shall be kept informed of the nature and disposition of cases dealt with under this Policy. In addition, should the evaluation reveal a pattern of academic misconduct that is identifiable with respect to the factors evaluated, the committee(s) may recommend to Senate changes in policy, preventative actions and/or any matters as appropriate.

Responsibility of Members of the Academic Community

All members of the University community have the responsibility to ensure that students are familiar with generally accepted standards and requirements of academic honesty. However, ignorance of these standards will not preclude the imposition of penalties for academic misconduct.

b. Non-Academic Misconduct

Note: This policy is currently under review and subject to change.

In order to accomplish its stated mission, the University must be a community in which there is freedom to learn, to teach, to create and to engage in research without fear of retaliation or intimidation and without threat to person or property. Students have a responsibility to act in a fair and reasonable manner in their interactions with their peers, faculty, staff and administration and in their use of campus property. The intent of this policy is to encourage appropriate student conduct and to identify and regulate student non-academic misconduct which infringes on the above mentioned freedoms and thereby jeopardizes the essential values of our academic community: mutual respect, dignity and civility.

In general, within the University's precincts, students should conduct themselves, individually and collectively, in ways that are consistent with the University's commitment to academic excellence, intellectual freedom, cultural diversity, individual achievement and personal dignity. The University is, above all, a community of scholars engaged in teaching, research and learning. Conduct which promotes an environment appropriate to these pursuits is desirable. Any conduct that detracts from the maintenance of such an environment is undesirable. This includes not only threatening, abusive, disruptive or violent behaviour that directly and immediately affects the health, safety, security or freedom of others, but also patterns of behaviour which, over time, cumulatively cause others to experience a perceived threat to their academic or social environment, or to their personal well-being.

This policy is rooted in the concept of collegiality. It not only requires students to conduct themselves in a manner befitting an academy of scholars, but as well to take individual and collective responsibility for sustaining an acceptable academic milieu by responding appropriately to non-academic misconduct on the part of others.

For more information on this policy, contact the Registrar at 786-9337.

9. Senate Appeals

a. Information

Students have a right of appeal. All appeals must be in writing. Decisions are made by the appropriate body and are based on the information and supporting documentation provided in writing by the student.

All students wishing to appeal must consult an Academic Advisor to discuss their situation, for information on appeal procedures, and to obtain the appropriate appeal form as required. An Appeals Brochure is available from Student Services and the UWSA Office.

This section outlines the procedures established to deal with the types of appeals indicated.

b. Admission

Applicants who wish to be admitted to the University without satisfying normal admission criteria may submit an Admission Appeal to the Registrar. Applicants should see the Registrar or an Admissions Officer for information about such appeals. This appeal will be heard by the Senate Appeals Committee.

c. Credit and Audit Status in Courses

Students who wish to change their status in a course from credit to audit or from audit to credit after the course change period has passed must submit a written appeal to the Senate Appeals Committee giving the reasons the change is being requested and written approval for the change from both the instructor of the course and the chair of the department.

There is a fee adjustment for the late change from audit to credit. There is no fee adjustment for the late change from credit to audit.

d. Deferred Exams and Incomplete Term Work

A student may appeal for incomplete term work or a deferred final test or exam when medical, compassionate or other circumstances beyond the student’s control create situations in which it is impossible, or causes undue hardship, for the student to write the final test or exam as scheduled, or to complete an item of work by the end of the evaluation period of the course.

Procedures

Students must first consult the instructor of the course. Students who cannot write a final exam as scheduled are expected to contact their instructor immediately on (or before) the day of the exam. Departmental policy may permit the instructor to reschedule an exam or final test, or to accept late term work if the proposed completion date falls before the limit for that term and the completed appeal form is submitted to the Student Records Office no later than the deadline for submission of grades in the course.

If departmental policy does not permit this resolution, or the instructor denies the request, or the work cannot be completed within the time limit for the term, or the deadline for submission of grades has passed, the student must appeal to the Senate Appeals Committee.

Deadlines to Appeal

For a deferred exam, students must contact their instructor immediately, and must normally appeal no later than five working days after the scheduled examination date.

For incomplete term work, students must normally appeal no later than the end of the evaluation period.

Deadlines for Completing Work or Exams

Examinations deferred by the Senate Appeals Committee will normally be scheduled during a special examination period.

Incomplete term work must be submitted within a time period determined by the department or the instructor, or by the Senate Appeals Committee in consultation with the instructor (see below).

Term	Exam or Final Test by	Term Work by
Courses ending in December	February 15	April 1
Courses ending in April	June 15	August 1
Courses in Spring Term	September 15	October 1

e. Readmission

A student who has been given an academic suspension from the University or a “Not Allowed to Continue” status may appeal the ruling in writing to the Senate Appeals Committee through an Academic Advisor.

Waiver of One Year Academic Suspension

Students who are academically suspended for the first time are not permitted to register for one calendar year. If students feel they have grounds to return to the University before the suspension has been served, they must see an Academic Advisor to discuss the appeal.

Readmission after a Second Academic Suspension

Students who are academically suspended for a second or subsequent time are not permitted to register at the University for two full calendar years. Students must appeal for reinstatement if they wish to return after the two years, or if they feel they have grounds to be allowed to return before the two years. Such an appeal must normally include evidence of success in an academic program completed since the suspension.

Readmission after being “Not Allowed to Continue”

Students who receive more than 30 credit hours of failures have exceeded the maximum number of course attempts to get a degree, and are not allowed to continue their studies. They are expected to sit out for three years and may forfeit credit if they wish to return. (See *Admission and Readmission*). In extraordinary circumstances, they may appeal for reinstatement prior to the completion of the 3 year period. Such an appeal must normally include evidence of success in an academic program completed since the student was not allowed to continue.

Readmission after being “Not Allowed to Continue” as a Mature Status Student

Students on Mature Status are not allowed to continue their studies at the University if they do not meet the Minimum Performance Standard upon completion of 24 credit hours. They must complete Regular Status admission requirements in order to be readmitted. (Note: The status on readmission will normally be Probation based on university academic performance to date.) In extraordinary circumstances, students may appeal to be readmitted without having completed Regular Status admission requirements. Such an appeal must normally include evidence of success in an academic program completed since the student was “not allowed to continue”.

f. Retroactive Withdrawal

Students who stop attending courses without following formal withdrawal procedures by the announced deadline for withdrawal will receive failing grades for those courses. Students may appeal to the Senate Appeals Committee for a retroactive withdrawal, on the basis of medical, compassionate or other reasons beyond their control.

Deadline to Appeal

Normally, the deadline to appeal is the end of the evaluation period for the term in which the course was taken. (Appeals **may** be considered for up to one calendar year after the end of the course at the discretion of the Senate Appeals Committee, if circumstances warrant.)

g. Waiver of Graduation Requirements

Students may appeal for a waiver of specific requirements in a degree program if there are compelling extenuating circumstances. Students should consult the Convocation/Academic Program Officer regarding this type of appeal.

h. Further Appeal

A student who has reason to believe that all pertinent information was not available when the written appeal was first considered may re-appeal or request an In-Person Appeal from the Chair of the Senate Appeals Committee.

10. Grade Appeals

a. Grades on an Individual Item of Work

An individual item of work includes any single piece of work in a class, including the final test or examination. Appeals of grades on individual items of work are heard by the Departmental Review Committee, which rules on appeals made to the Department. Normally the Department is the highest body of appeal against grades on individual items of work.

Grounds for an Appeal

To make an appeal, a student must have cause to believe that a grade assigned on an individual item of work was unjust.

Procedures

The student should first discuss the matter with the instructor. If, after discussion with the instructor, the student has reason to believe an injustice has been done, the student may then write an appeal to the Chair of the Departmental Review Committee.

For individual items of term work graded during classes, students must discuss the matter with the instructor within seven working days after notification of the grade. The written appeal to the Chair of the DRC must be submitted within two working days after the discussion with the instructor.

For final items of term work graded after the end of classes, or for final term tests or examinations, students must have submitted their written appeal to the Chair of the DRC within six weeks after the last day of exams for the term in which the course is offered.

All appeals submitted to the Chair of the Departmental Review Committee should include:

- a copy of the work which is the subject of the appeal;
- grounds for the appeal;
- a summary of the conversation with the instructor.

Students should expect that the disputed grade will be reviewed in a context other than the one that generated the original grade. Either the Committee or the Department Chair notifies the student in writing of the result of the appeal. The instructor will be fully informed of the student's submission.

b. Final Grades

The final grade is the official final grade that appears on the student's statement of marks from the Registrar. Appeals of final grades are heard by the Departmental Review Committee, which rules on appeals made to the Department. Normally the Department is the highest body of appeal against final grades.

Grounds for Appeal

There are only three grounds for appeal against a final grade.

- The assessment of the final grade was made without considering all individual items of work completed and submitted.
- The final grade does not appear to correspond to the grades awarded to the individual items of course work, indicating an error in calculation in developing the final grade.
- The overall assessment of the final grade is demonstrably unjust.

A processing fee is charged. It is refunded if the appeal is successful. (See *Fees* on the University website).

Procedures

Students have up to six weeks after the official notification of final grades from the Registrar to submit an appeal.

The appeal should include:

- a copy of all course work which is the subject of the appeal;
- grounds for the appeal;
- any other relevant documentation.

The written appeal is submitted to the Registrar who sends the appeal to the Departmental Review Committee. The Registrar notifies the student in writing of the result of the appeal. The instructor is fully informed of the appeal.

Further Appeal

A student who has reason to believe and can demonstrate that the Departmental Review Committee did not give the appeal a fair hearing may appeal the Committee's decision on procedural grounds in writing to the Senate Appeals Committee through the Registrar.

11. University Policies and Codes

The University has a number of policies and codes in place that are of importance to all members of the University community. The following policies are of particular importance:

a. Respectful Learning and Working Environment

Freedom from discrimination and harassment is a fundamental right of all members of the University community. The University of Winnipeg prohibits any form of discrimination or harassment whether it occurs on University property or in conjunction with University-related activities.

For more information on the policy or on your rights, please contact the Office of the President at 786-9214 or the Harassment Officer at 786-9161 or visit the University's web site: <http://www.uwinnipeg.ca/index/harassment-index>.

b. Policy on Integrity in Research and Scholarship

The purpose of this policy is to promote and advance a high standard of integrity in research and scholarship. This policy has been established to address public concerns about responsibility and accountability in research and scholarship. It outlines procedures for promoting integrity among researchers and scholars and for investigating allegations of misconduct in research and scholarship. The policy applies to all members of the University community.

Copies of the policy are available through the Office of the Associate Vice-President, Research and Innovation, and can also be found on the University's website at: <http://www.uwinnipeg.ca/index/research-policies>.

c. Policies on Research and Experimental Ethics

These documents contain Senate policies regarding the ethical conduct of research, experimentation and teaching exercises. Research involving human or animal participants cannot be undertaken without the approval of the appropriate University committee or committees.

These policies are available through the Office of the Associate Vice-President, Research and Innovation, and can also be found on the University's website at: <http://www.uwinnipeg.ca/index/research-ethics>.

d. Library Policies

The following Library policies should be noted:

Interlibrary Loan Policy: This policy describes the services and policies for borrowing library materials from external libraries via the Interlibrary Loan Department.

Computer and Internet Use Policy: This policy provides information on the appropriate use of computers and electronic resources in the Library.

Copyright Law: The Library provides information on the use of photocopy machines in the Library, including copyright, fair-use, costs, etc.

Facility Use Policy: This policy describes appropriate food and drink allowed in the Library.

More information on all Library Policies can be found at <http://library.uwinnipeg.ca/about-us/policies>

Loan Periods and Fines: For information on loan periods for all types of library materials (including books, journals, media, course reserves, etc.) and fines, see the website: <http://library.uwinnipeg.ca/about-us/loan-periods-and-fines>

e. Acceptable Computing Use Policy

The purpose of this policy is to clearly establish rules and regulations outlining the usage of computers, computing and network resources and the facilities in which they reside at The University of Winnipeg. This policy pertains to all employees, students and authorized external parties (the "University community") who have been granted access to use the University of Winnipeg computer and networking facilities and resources.

The policy may be found at: <http://www.uwinnipeg.ca/index/tsc-policies>

12. Graduation

Convocations are held three times yearly, in the Spring, Winter and Fall. The Spring and Fall Convocations have ceremonies and the Winter Convocation degrees will be conferred In Absentia (no ceremony). Information about graduation may be obtained from Student Central or the Convocation/Academic Program Officer. Students must apply for graduation by mid-February for Spring Convocation, by mid-August for Fall Convocation and by mid-November for Winter Convocation. Those graduating at the Winter Convocation may attend the Spring Convocation ceremony.

a. Application to Graduate

Students who complete the requirements for one of the University's degrees through the April series of examinations, and have applied for graduation by the preceding mid-February, shall be admitted to the appropriate degree at that year's Spring Convocation. Students who complete the requirements for one of the University's degrees through the Spring Term series of examinations, and have applied for graduation by the preceding mid-August, shall be admitted to the appropriate degree at that year's Fall Convocation. **Students who complete the requirements for one of the University's degrees through the December series of examinations, and have applied for graduation by the preceding mid-November, shall be admitted to the appropriate degree at the following year's Winter Convocation.**

Prospective graduands **may** consult the Convocation Officer to have their program of studies reviewed prior to filing their application for graduation. Further details regarding the convocation ceremony will be forwarded by the Student Records Office to graduands who have been approved by the Senate of the University.

b. Academic Dress

The correct dress for graduates of the University is described below.

Bachelors and Masters

- a mortarboard of black material with a black tassel
- a gown of black material and the appropriate shape specified by the North American Intercollegiate Code
- a hood of the colour and shape specified by the North American Intercollegiate Code

Honorary Doctors

- a round brimmed cap of red velvet

- a gown of red material and of the appropriate shape specified by the North American Intercollegiate Code
- a hood of the full Cambridge shape in white material, lined in the University colours showing a white chevron on a red field

Note: A fee is charged for academic dress rental. (See *Fee Information* on the website).

Up-to-date information on

- Registration
 - Fees
 - Awards and Financial Aid
- can be found in the "Student" section of the University's website at www.uwinnipeg.ca

DEGREE AND MAJOR REQUIREMENTS

Updated Oct.16, 2013

1. Information and Advice

2. General Degree Requirements

- a. The Writing Requirement
- b. The Humanities Requirement
- c. The Science Requirement
- d. The 4-Year BA and BBA Social Science Requirement
- e. The Subject Distribution Requirement
- f. The Degree Residence Requirement
- g. The Maximum Number of Introductory Courses Allowed
- h. The Academic Performance Requirement

3. The Major

- a. Major Regulations
 - b. Types of Majors
 - c. Single Major
 - d. Double Major
 - e. Single Honours
 - f. Double Honours
 - g. Combined Major
 - h. Student-Designed Major
 - i. Thematic Major
 - j. Majors Leading to Bachelor's Degrees
 - k. Bachelor of Arts Majors
 - l. Bachelor of Science Majors
 - m. Bachelor of Business Administration Major
- For Bachelor of Education Majors, see the "Education" section of this Course Calendar.

4. The Minor

1. Information and Advice

All University of Winnipeg degrees have general, major and course requirements which reflect the University's commitment to a liberal arts and science education. Students are required to develop depth of knowledge in one or more subject areas by fulfilling Major or Honours requirements; to develop breadth of knowledge by fulfilling Humanities, Science, Social Science and Distribution requirements; and to develop their writing skills by fulfilling a Writing Requirement.

While it is a student's responsibility to ensure that degree requirements are met, advising to interpret regulations, to plan programs, and to monitor progress is available from Academic Advisors. Advising for major subject requirements is provided by the department (program) offering the chosen major.

2. General Degree Requirements

The University general degree requirements provide students with the opportunity to gain the breadth of knowledge and skills consistent with a liberal education.

a. The Writing Requirement

All students must fulfil the University Writing Requirement by course work or exemption prior to enrolling in their 42nd credit hour by taking an Academic Writing course at the 1000 level, either three credit hours from RHET-1101(3), RHET-1102(3), RHET-1103(3), RHET-1104(3), RHET-1105(3), and RHET-1106(3), or six credit hours from RHET-1110(6) and RHET-1115(6). Students

5. Bachelor of Arts Degree Requirements

- a. 3-Year Bachelor of Arts
- b. 4-Year Bachelor of Arts
- c. Bachelor of Arts Honours
- d. 4-Year Bachelor of Arts Joint Degree/Diploma in Communications – UW/RRC

6. Bachelor of Science Degree Requirements

- a. 3-Year Bachelor of Science
- b. 4-Year Bachelor of Science
- c. Bachelor of Science Honours
- d. 4-Year Bachelor of Science Applied – UW/RRC

7. Bachelor of Business Administration Degree Requirements

- a. 3-Year Bachelor of Business Administration
- b. 4-Year Bachelor of Business Administration

8. Bachelor of Education Degree Requirements

See the "Education" section of this Course Calendar.

9. Second Bachelor Degree Requirements

- a. University of Winnipeg Students Seeking a Degree in Two of the Following Faculties: Arts, Science and Business and Administration
- b. Graduates of Other Institutions Seeking a Second Degree in Arts, Science, or Business and Administration

For second degrees in Education, see the "Education" section of this Course Calendar.

eligible to take a 3 credit hour course may register in a 6 credit hour course instead. For more information about requirements and courses, see the Department of Rhetoric, Writing, and Communications, under *Course Descriptions*.

Placement Criteria:

All students entering directly from high school, except for those exempt from the University Writing Requirement, are required to take Academic Writing before they complete their 42nd credit hour and preferably in their first year.

Students who are exempt from the University Writing requirement:

- students receiving 80% or more average in English 40S (2 credits)
- students receiving 5 or more in IB English
- students receiving 4 or more in AP English Lit/Comp or Lang/Comp
- students who have successfully completed 24 or more hours of transfer credit
- students receiving 5.0 on the writing component of the CanTEST or TWE or 7.0 or more on IELTS writing
- students in the After-Degree BEd Program
- students in master's-level programs
- students whose first registration at The University of Winnipeg was prior to September 1989.

Students who are required to take 3 credit hours of 1000-level Academic Writing:

- students receiving 60% or more but less than 80% average in English 40 (2 credits)
 - students receiving 60% or more in English 40 (1 credit)
 - students receiving 4.0 or 4.5 on the writing component of the CanTEST or TWE or 6.0 or 6.5 on IELTS writing.
- Students eligible to take a 3 credit hour course may register in a 6 credit hour course instead.

Unless prescribed in a specific program, the following students are not required to meet their Academic Writing requirement with RHET-1110(6) or RHET-1115(6), but are encouraged to do so rather than with the 3 credit hour options:

- students receiving less than 60% in English 40 (2 credits) or English 40 (1 credit)
- students receiving 3.5 on the writing component of the CanTEST or TWE or 5.5 on IELTS writing

Note: Students who do not fit any of the above categories or who are uncertain of their placement should contact the Department of Rhetoric, Writing, and Communications for placement advice.

Validation of Placement: On the basis of writing done early in the course, faculty members may advise students registered in the 3 credit-hour course that a full year's work would increase their chances of improving their writing and satisfying the writing requirement, and may recommend a move to the 6 credit hour version of Academic Writing or to Academic Writing for ESL students; other students may be advised that they should move from a 6 credit hour to a 3 credit hour course. The faculty member and student may also decide, following discussion of the student's writing, that he or she could benefit from peer tutoring, available free in the Tutoring Centre and the Computer Writing Lab.

Students who are exempted from the University Writing Requirement are encouraged to take courses in the Department's upper-level group. Exempted students who are interested in working as writing tutors should inquire at the Department of Rhetoric, Writing, and Communications about the required preparatory course work.

b. The Humanities Requirement

Students must complete a minimum of 12 credit hours in Humanities courses. Where relevant, a course may fulfil both the Major and Humanities requirement at the same time. Cross-listed courses will fulfil the Humanities requirement if one of the courses is designated as Humanities.

The following University of Winnipeg subject area courses fulfil the Humanities requirement:

- Aboriginal Languages:** ABOR-1101(6); ABOR-1201(6); IS-1101(6); IS-1201(6).
- Classics:** All courses **except** CLAS-1100(3); CLAS-1101(3); CLAS-1200(3); CLAS-1201(3).
- East Asian Languages and Cultures:** All courses.
- English:** All courses.
- French Studies:** All courses **except** FREN-0002(3); FREN-2109(3); FREN-3204(3).
- German Studies:** All courses **except** the former GERM-1105(3), GERM-1106(3), GERM-1301(6).
- History:** All courses
- Italian Studies:** All courses
- Kinesiology:** **Only** KIN-4104(3)
- Music:** **Only** MUS-2201(3); MUS-2202(3); MUS-2203(3); MUS-2204(3).
- Philosophy:** All courses **except** PHIL-2302(6) Logic and/or any Logic courses transferred from another institution.
- Religious Studies:** All courses **except** REL-2001(6) and REL-2007(6).

Rhetoric, Writing Communications: All courses **except** RHET-1101(3); RHET-1102(3); RHET-1103(3); RHET-1104(3); RHET-1105(3); RHET-1106(3); RHET-1110(6); RHET-1115; RHET-2530(3).

Spanish Studies: All courses.

Theatre & Film: **Only** THFM-1002(6); THFM-1010(6); THFM-2201(3); THFM-2401(3); THFM-2402(3); THFM-2404(3); THFM-2405(3); THFM-2406(3); THFM-2410(6); THFM-2610(3); THFM-2611(3); THFM-2612(3); THFM-2701(6); THFM-2703(3); THFM-3401(3); THFM-3402(3); THFM-3502(6); THFM-3701(6); THFM-4134(6); THFM-4441(3);).

Women and Gender Studies: **Only** WGS-1232(6); WGS-2001(3); WGS-2251(6); WGS-2256(3); WGS-2260(6); WGS-3005(3); WGS-3040(6)

Note: HIST-2900(6) and MATH/PHIL-2901(3) can be used to fulfil either the Humanities requirement or the Science requirement.

c. The Science Requirement

Students must complete a minimum of 6 credit hours in Science courses at or above the 1000 level in the Bachelor of Arts and Bachelor of Business Administration degrees and 18 credit hours at or above the 1000 level in the Bachelor of Science degree. In some cases, students may fulfil the Science Requirement and the Major Requirement with the same courses. In others, additional courses identified by the department must be taken. (Cross-listed courses will fulfil the Science requirement if one of the course numbers is designated as Science.)

The following University of Winnipeg subject area courses fulfil the Science requirement:

Anthropology: **Only** ANTH-2300(3); ANTH-2304(3); ANTH-3207(3); ANTH-3302(3); ANTH-3306(3); ANTH-3308; ANTH-3309(3); ANTH-4212(3); ANTH-4302(3); ANTH-4303(3); ANTH-4305(3); ANTH-4307(3); ANTH-4308(3); ANTH-4309(3); ANTH-4311(3).

Applied Computer Science: All courses **except** ACS-1453(3), ACS-1803(3), ACS-2916(3).

Biology: All courses

Chemistry: All courses **except** CHEM-0100(3)

Environmental Studies: **Only** ENV-1600(3); ENV-2603(3); ENV-2604(3)

Geography: **Only** GEOG-1201(3); GEOG-1202(3); GEOG-2207(3); GEOG-2210(3); GEOG-2213(3); GEOG-2214(3); GEOG-2215(3); GEOG-2216(3); GEOG-2218(3); GEOG-2219(3); GEOG-2304(3); GEOG-2306(3); GEOG-2316(3); GEOG-3210(3); GEOG-3215(3); GEOG-3306(3); GEOG-3307(3); GEOG-3319(3); GEOG-4203(3); GEOG-4212(3); GEOG-4231(3); GEOG-4320(3); GEOG-4321(3); GEOG-4322(3);.

History: **Only** HIST-2900(6).

Kinesiology and Applied Health: **Only** KIN-2201(3); KIN-2202(3); KIN-2204(3); KIN-2301(3); KIN-2304(3); KIN-2500(3); KIN-2501(3); KIN-3106(3); KIN-3107(3); KIN-3201(3);

KIN-3304(3); KIN-3500(6); KIN-3501(3); KIN-3502(3); KIN-3505(3); KIN-4201(3); KIN-4207(3); KIN-4301(3); KIN-4500(6); KIN-4501(3); KIN-4502(3)

Mathematics: All courses **except** MATH-2305(3)
Physics: All courses
Psychology: **Only** PSYC-2101(3); PSYC-2102(3); PSYC-2600(3); PSYC-2610(3); PSYC-2620(3); PSYC-2800(3); PSYC-2900(3); PSY-2920(3).
Sociology: **Only** SOC-2125(3)

Statistics: All courses
Note: The following courses **do not** fulfil the Science requirement for the BA degree:

- Courses offered by the History Department in the History of Science area other than HIST-2900(6).

Note: HIST-2900(6) and MATH/PHIL-2901(3) can be used to fulfil either the Humanities requirement or the Science requirement.

d. The 4-Year BA and BBA Social Science Requirement

Students seeking a 4-year BA or BBA must complete a minimum of 12 credit hours in Social Science courses.

The following subject area courses fulfil the Social Science requirement:

Anthropology: All courses

Conflict Resolution

Studies: **Only** CRS-3242(3)

Economics: All courses

Environmental

Studies: **Only** ENV-2416(3); ENV-3004(3)

Geography: **Only** human and regional courses

Politics: All courses

Psychology: All courses

Sociology: All courses

Urban and Inner

City Studies: **Only** UIC-3020(3)

Women's and

Gender Studies: Only WGS-1232(6); WGS-2251(6); WGS-2256 (3); WGS-2260(6); WGS-2300(3); WGS-2416(3); WGS-3003(3); WGS-3004(3); WGS-3020(3); WGS-3200(6); WGS-3212(6); WGS-3242(3); WGS-3301(3); WGS-3302(3)

e. The Subject Distribution Requirement

Students must complete a minimum of three credit hours in at least five different subject areas. This subject distribution ensures that students have breadth as well as depth in their degree.

f. The Degree Residence Requirement

Students are required to complete a minimum number of credit hours in University of Winnipeg courses to be granted a degree from the University. The number of degree and major residence credit hours required are listed in the descriptions for each degree.

Residence requirements for second degree programs are found in this section under 8.

g. The Maximum Number of Introductory Courses Allowed

Students may use a maximum of 42 credit hours at the 1000 level towards a degree at The University of Winnipeg. Of these, a maximum of 6 credit hours may be below the 1000 level.

h. The Academic Performance Requirement

Students must maintain a minimum academic performance level both to continue a program of studies and

to qualify for a degree. Please refer to the section on *Academic Regulations and Policies*.

3. The Major

Every degree must include a subject concentration in which a minimum number of courses is taken, identified by the student and the University as the Major. The Major provides the opportunity for a student to develop depth of knowledge in a chosen field of disciplinary and/or interdisciplinary studies.

For specific information, students should read the relevant department/program section describing the requirements of the major they are seeking.

a. Major Regulations

Each department/program has its own requirement for the number of credit hours which must be taken in the declared Major subject.

There is a minimum performance requirement in Major courses presented for graduation. Students seeking 3- and 4-Year BA/BSc/BBA degrees must have a 2.0 GPA in the Major subject courses presented for graduation. Students seeking Honours degrees must have a 3.0 GPA in all Honours subject courses.

There is a minimum entry requirement for students registering for the BA Honours, the Student-Designed Major and the Thematic Major.

Students are asked to declare a major before registering for their 36th credit hour of course work and are required to declare their major before registering for their 60th credit hour of course work.

Students are normally required to consult with, and receive written permission from, departments/programs before declaring a Major.

- **3-Year:** Students must consult with all departments with the exception of Applied Computer Science, Criminal Justice, and Psychology where consultation is recommended but not required.

- **4-Year:** Students must obtain program approval before each registration.

- **Honours:** Students must obtain program approval before each registration.

- **Student - Designed:** Students must consult with the Coordinator of the Flexible Major Program.

- **Education:** Students declare their Major to the BE Advisor.

- **Double:** Students must receive program approval from both subject areas.

- **Combined:** Students must receive program approval from both subject areas.

b. Types of Majors

A variety of majors and combinations of majors allow students to choose programs of study most suitable for achieving specific academic and/or career goals. The official transcript will indicate the major or majors once the degree has been conferred.

- **Single Major:** A student chooses one disciplinary and/or interdisciplinary area as the Major subject concentration.

- **Double Major:** A student chooses two disciplinary and/or interdisciplinary Major subject concentrations and meets the requirements in each Major subject as outlined by the department/ program.

- **Single Honours:** A student chooses one Honours subject concentration and meets the requirements for the Honours subject as outlined by the department/program.

- **Double Honours:** A student chooses two Honours subject concentrations and meets the requirements in each Honours subject as outlined by the department/program.

- **Combined Major:** A student chooses to combine courses from two Major concentrations for a single Major by

completing a minimum number of credit hours in each subject area. The combined major is available in the 3-Year and 4-Year degrees. It is not available in the Honours degree.

- **Student-Designed Major:** A student, with the assistance of a faculty sponsor, designs an integrated, interdisciplinary major tailored to her/his interests and goals. The courses chosen for the Major relate to a theme or focus, and must reflect both breadth and depth. The Student-Designed Major is available in the 4-Year and Honours BA and BSc and follows University requirements for those degrees. It is NOT available in the 3-Year degree.

Students interested in pursuing this major should contact the Coordinator of the Flexible Major Program.

- **Thematic Major:** From time to time, interdisciplinary majors designed around a common theme of current interest will become available.

c. Majors leading to Bachelor's Degrees

Bachelor of Arts Majors

Anthropology (ANTH)	3-Year, 4-Year, Honours
Applied Computer Science (ACS)	3-Year, 4-Year
Classics (CLAS)	3-Year, 4-Year, Honours
Communications (COMM)	4-Year Joint Diploma/Degree (UW/RRC)
Conflict Resolution Studies (CRS)	3-Year, 4-Year
Criminal Justice(CJ)	3-Year, 4-Year, Honours
Developmental Studies (DEV)	3-Year, 4-Year Joint Diploma/Degree (UW/RRC)
Disability Studies (DIS)	3-Year, 4-Year, Honours
East Asian Languages and Cultures (EALC)	3-Year, 4-Year
Economics (ECON)	3-Year, 4-Year, Honours
Economics and Finance (EFIN)	4-Year
English (ENGL)	3-Year, 4-Year, Honours
Environmental Studies (ENV)	3-Year, 4-Year, Honours
French Studies (FREN)	3-Year, 4-Year, Honours
Geography (GEOG)	3-Year, 4-Year, Honours
German Studies (GERM)	3-Year, 4-Year
History (HIST)	3-Year, 4-Year, Honours
History of Art (HISA)	3-Year, 4-Year, Honours
Human Rights and Global Studies (HRGS)	3-Year, 4-Year
Indigenous Studies (IS)	3-Year, 4-Year, Honours
Interdisciplinary Linguistics (LING)	3-Year, 4-Year
International Development Studies (IDS)	3-Year, 4-Year, Honours
Kinesiology and Applied Health (KIN)	3-Year, 4-Year
Mathematics (MATH)	3-Year, 4-Year

Philosophy (PHIL)	3-Year, 4-Year, Honours
Politics (POL)	3-Year, 4-Year, Honours
Psychology (PSYC)	3-Year, Honours
Religion and Culture (REL)	3-Year, 4-Year, Honours
Rhetoric and Communications (RHET)	3-Year, 4-Year
Sociology (SOC)	3-Year, 4-Year, Honours
Spanish Studies (SPAN)	3-Year, 4-Year
Statistics (STAT)	3-Year, 4-Year
Theatre and Film/Dance (THFM & DANC)	3-Year, Honours
Urban and Inner-city Studies (UIC)	3-Year, 4-Year, Honours
Women's and Gender Studies (WGS)	3-Year, 4-Year, Honours

Bachelor of Science Majors

Applied Computer Science (ACS)	3-Year, 4-Year, Honours
Bioanthropology (BANT)	3-Year, 4-Year
Biochemistry (BCHM)	3-Year, 4-Year, Honours
Biology (BIOL)	3-Year, 4-Year, Honours, 4-Year Applied (UW/RRC)
Biopsychology (BPSY)	3-Year, 4-Year, Honours
Chemistry (CHEM)	3-Year, 4-Year, Honours, 4-Year Applied (UW/RRC)
Disability Studies (DIS)	3-Year, 4-Year, Honours
Environmental Studies (ENV)	4-Year, Honours, 4-Year Applied (UW/RRC)
Kinesiology and Applied Health (KIN)	4-Year
Mathematics (MATH)	3-Year, 4-Year, Honours
Physical Geography (GEOG)	3-Year, 4-Year, Honours, 4-Year Joint (UW/RRC)
Physics (PHYS)	3-Year, 4-Year, Honours
Radiation Therapy (RT)	4-Year Joint (UW/CancerCare Manitoba)
Statistics (STAT)	3-Year, 4-Year

Bachelor of Business Administration

Business Administration (BUS)	3-Year, 4-Year, Joint 3-Year and 4-Year (UW/RRC)
Economics and Finance (EFIN)	4-Year

NOTE: For Bachelor of Education majors, see the "Education" section of this Course Calendar.

4. The Minor

A student within a 4-Year Bachelor of Arts, 4-Year Bachelor of Business Administration, or 4-Year Bachelor of Science degree program may choose to complete a Minor, consisting of 18 credit hours of designated courses within a Department or Program other than their Major. The list of Departments and Programs that have an approved Minor appears below. Students do not declare this Minor during their program, but should submit to the Student Records Office written confirmation of completion from the Minor Department or Program as an exit requirement at the time of application for graduation. For Bachelor of Education Teachable Minors, please see the "Education" section of this Course Calendar.

Departments and Programs offering Minors

Classics, Civilization Stream (CLAS)
Classics, Language Stream (CLAS)
Conflict Resolutions Studies (CRS)
Disability Studies (DIS)
East Asian Languages and Cultures (EALC)
Economics (ECON)
English (ENGL)
French Studies (FREN)
German Studies (GERM)
Human Rights (HR)
International Development Studies (IDS)
Mathematics (MATH)
Mennonite Studies (MENN)
Philosophy (PHIL)
Politics (POL)
Religion and Culture (REL)
Sociology (SOC)
Spanish Studies (SPAN)
Statistics (STAT)
Theatre and Film (THFM)
Urban and Inner-city Studies (UIC)
Women's and Gender Studies (WGS)

5. Bachelor of Arts Degree Requirements

a. 3-Year Bachelor of Arts

The 3-Year Bachelor of Arts degree program provides students with a solid background in the liberal arts and sciences. Program requirements may vary. Students should consult individual department/program entries for specific course and program requirements.

Graduation Requirement 90 credit hours

Residence Requirement

Degree: Minimum 30 credit hours

Major: Minimum 18 credit hours

Double Major: Minimum 18 credit hours in each major.

Combined Major: Minimum 12 credit hours in each major area.

General Degree Requirements

Humanities: 12 credit hours

Science: 6 credit hours

Writing: Minimum 3 credit hours of Academic Writing.

Distribution: Minimum 3 credit hours course in each of five (5) subjects.

Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Major Requirements

Single Major: Minimum 30 or 36 credit hours/Maximum 48 credit hours.

Double Major: Minimum 30 or 36 credit hours/Maximum 48 credit hours in each major subject, or as specified by the department/program.

Combined Major: Minimum 48 credit hours from 2 different majors with no less than 18 credit hours from each major subject.

b. 4-Year Bachelor of Arts

The 4-Year Bachelor of Arts offers students the advantages of substantial specialization in a major field of study combined with a wide background in the liberal arts and sciences.

Specialization in the subject area is enhanced by a systematic exposure to cognate areas of study.

Program requirements may vary. Students should consult the individual department/program entries for specific course and program requirements.

Graduation Requirement 120 credit hours

Residence Requirement

Degree: Minimum 60 credit hours

Major: Minimum 30 credit hours

Double Major: Minimum 30 credit hours in each major.

Combined Major: Minimum 15 credit hours in each major area.

General Degree Requirements

Humanities: 12 credit hours

Science: 6 credit hours

Social Science: 12 credit hours

Writing: Minimum 3 credit hours of Academic Writing.

Distribution: Minimum 3 credit hours in each of five (5) subjects.

Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Major Requirement

Cognate Courses: Minimum 18 credit hours/Maximum 36 credit hours in related courses from one of several departments/programs. Maximum total of cognate and major courses is 84 credit hours combined.

Single Major: Minimum 48 credit hours/Maximum 66 credit hours.

Double Major: Minimum 48 credit hours in each Major subject as specified in the department/ program.

Combined Major: Minimum 60 credit hours from 2 Major subjects with not less than 24 credit hours from each major subject.

c. Bachelor of Arts Honours

The Bachelor of Arts Honours offers students the opportunity for intensive study in a major field of study. The Honours program is designed to prepare qualified students for graduate study and to provide understanding of, and qualification in, a given field of study for employment opportunities.

Departmental Honours programs vary. Students should consult the individual department/program for specific course and program requirements.

Admission Requirement

Entry after completing a minimum of 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 in Honours subject courses and 2.5 in Non-Honours subject courses.

The minimum 3.0 GPA will be based on all attempts (including course repeats and failures) in Honours subject courses.

The minimum 2.5 GPA in all Non-Honours subject courses will be calculated as for a general degree (F's are not included, and in the case of repeated courses, only the highest grade will be used).

Graduation Requirement 120 credit hours

Residence Requirement

Degree: Minimum 60 credit hours

Honours Subject: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000), of which a minimum 9 credit hours are at the 4000 level.

Double Honours: Minimum 30 credit hours, including 18 credit hours at upper level (3000/4000) of which a minimum 9 credit hours are at the 4000 level in each Honours subject.

General Degree Requirements

Humanities: 12 credit hours

Science: 6 credit hours

Writing: Minimum 3 credit hours of Academic Writing.

Distribution: Minimum 3 credit hours in each of five (5) subject areas.

Maximum Introductory

Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Honours Subject Requirements

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours.

Minimum 30 credit hours in the Honours subject at the upper level (3000/4000) with minimum 15 credit hours in the Honours subject at the 4000 level. (Program requirements may vary from a minimum of 15 credit hours to a maximum of 30 credit hours at the 4000 level).

Double Honours: Minimum 36 credit hours in each Honours subject as specified in each department/ program.

A minimum of 24 credit hours above the 2000 level including a minimum of 15 credit hours at the 4000 level in each major.

Note: Students not in an Honours Program who wish to register for 4000-level courses designated as Honours

courses must seek the permission of the department/program. To qualify, students are normally required to have a minimum GPA of 3.0 based on all attempts in the Honours subject. Students lacking the 3.0 GPA should consult the relevant department/program concerned regarding eligibility.

d. 4-Year Bachelor of Arts Joint Degree/Diploma in Communications - UW/RRC

The University of Winnipeg Department of Rhetoric, Writing, and Communications in cooperation with Red River College offer a Joint Degree/Diploma in Communications.

Admission Information

Students must apply separately to RRC and the UW. Application to the UW alone does not constitute application to the Joint Program. (See the entry for Department of Rhetoric, Writing, and Communications for additional information).

Graduation Requirement 120 credit hours

Residence Requirement

Degree: Minimum 60 credit hours

Major: Minimum 30 credit hours

General Degree Requirements

Humanities: 12 credit hours

Science: 6 credit hours

Social Science: 12 credit hours

Writing: Minimum 3 credit hours of Academic Writing.

Major Requirements Minimum 48 credit hours/Maximum 66 credit hours.

6. Bachelor of Science Degree Requirements

a. 3-Year Bachelor of Science

The 3-Year Bachelor of Science degree provides students with a solid background in the sciences and liberal arts. Program requirements may vary. Students should consult individual department/program entries for specific course and program requirements.

Graduation Requirement 90 credit hours

Residence Requirement

Degree: Minimum 30 credit hours

Major: Minimum 18 credit hours

Double Major: Minimum 18 credit hours in each major.

Combined Major: Minimum 12 credit hours in each major area.

General Degree Requirements

Humanities: 12 credit hours

Science: 18 credit hours as specified by department/ program.

Writing: Minimum 3 credit hours of Academic Writing.

Distribution: Minimum 3 credit hours in each of Five (5) subject areas.

Maximum Introductory

Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Major Requirement

Single Major: Minimum 30 or 36 credit hours/Maximum 48 credit hours.

Double Major: 30 or 36 credit hours in each Major subject as specified in the department/program.

Combined Major: Minimum 48 credit hours from 2 different major subjects with not less than 18 credit hours from each major subject.

Note: Interdisciplinary Majors may exceed the minimum and maximum credit hours in a major.

b. 4-Year Bachelor of Science

The 4-Year Bachelor of Science offers students the advantages of substantial specialization in a major field of study combined with a background in the liberal arts and sciences. Program requirements may vary. Students should consult with the individual department/program entries for specific course and program requirements.

Admission Requirement 60 credit hours

Graduation Requirement 120 credit hours

Residence Requirement

Degree: Minimum 60 credit hours
 Major: Minimum 30 credit hours
 Double Major: Minimum 30 credit hours in each major.
 Combined Major: Minimum 15 credit hours in each major area.

General Degree Requirements

Humanities: 12 credit hours
 Science: As detailed in each department/program.
 Writing: Minimum 3 credit hours of Academic Writing.
 Distribution: Minimum 3 credit hours in each of five (5) subject areas.
 Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Major Requirement

Single Major: Minimum 48 credit hours/Maximum 78 credit hours.
 Double Major: 30 credit hours in each Major subject as specified in the departments/programs.
 Combined Major: Minimum 60 credit hours from two (2) major subjects with not less than 24 credit hours from each.

Note: Interdisciplinary Majors may exceed the minimum and maximum credit hours in a major.

c. Bachelor of Science Honours

The Bachelor of Science Honours will be conferred on students who have attained an Honours graduation GPA in their program of studies. In some programs, students may be required to complete specifically designated Honours courses. Departmental Honours programs vary. Students should consult the individual department/program for specific course and program requirements.

Graduation Requirement 120 credit hours

Graduation GPA Requirement

The minimum GPA for graduation is 3.0 in Honours subject courses and 2.75 in Non-Honours subject courses.

The minimum 3.0 GPA will be based on all attempts (including course repeats and failures) in Honours subject courses.

The minimum 2.75 GPA in all Non-Honours subject courses will be calculated as for a general degree (F's are not included, and in the case of repeated courses, only the highest grade will be used).

Residence Requirement

Degree: Minimum 60 credit hours
 Honours Subject: Minimum 30 credit hours, including minimum 18 credit hours at the upper level (3000/4000) of which a minimum 9 credit hours are at the 4000 level.
 Double Honours: Minimum 30 credit hours, including 18 credit hours at the upper level (3000/4000) of which a minimum 9 credit hours are at the 4000 level in each Honours subject.

General Degree Requirements

Humanities: 12 credit hours
 Science: As detailed in each department/program.

Writing: Minimum one 3 credit hour course of Academic Writing.

Distribution: Minimum 3 credit hours in each of five (5) subject areas.

Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Honours Subject Requirement

Single Honours: Minimum 54 credit hours
 Minimum 30 credit hours in the Honours subject at the upper level (3000/4000) with minimum 12 credit hours in the Honours subject at the 4000 level.

d. 4-Year Bachelor of Science Applied - UW/RRC

The 4-Year Joint Bachelor of Science qualifies students for a joint degree parchment from both The University of Winnipeg and Red River College. The joint program offers students a synthesis of theoretically-based and applied studies coupled with a background in the liberal arts and sciences. The program offers students the option of a cooperative or regular stream of studies.

Graduation Requirement 120 credit hours

Residence Requirement

Degree: Minimum 60 credit hours
 Major: Minimum 30 credit hours

General Degree Requirements

Humanities: 12 credit hours
 Science: As detailed in each department/program.
 Writing: Minimum 3 credit hours of Academic Writing.

Distribution: Minimum 3 credit hours in each of five (5) subject areas.

Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level including maximum 6 credit hours at the 0000 level.

Major Requirement Minimum 51 credit hours - the courses are listed in the departments offering the majors.

7. Bachelor of Business Administration Degree Requirements

a. 3-Year Bachelor of Business Administration

The 3-Year Bachelor of Business Administration degree program provides students with a business education as well as a solid background in the liberal arts and sciences. Program requirements may vary. Students should consult individual department entries for specific course and program requirements.

Graduation Requirements 90 credit hours

Residence Requirement

Degree: Minimum 30 credit hours
 Major: Minimum 18 credit hours
 Combined Major: Minimum 12 credit hours in each major area.

General Degree Requirements

Humanities: 12 credit hours
 Science: 6 credit hours
 Writing: Minimum 3 credit hours of Academic Writing.

Distribution: Minimum 3 credit hours course in each of five (5) subjects.

Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Major Requirements

Single Major:	Minimum 36 credit hours
Combined Major:	Minimum 48 credit hours from 2 different majors with no less than 18 credit hours from each major subject.

b. 4-Year Bachelor of Business Administration

The 4-Year Bachelor of Business Administration offers students the advantages of substantial specialization in business combined with a wide background in the liberal arts and sciences. Program requirements may vary. Students should consult the individual department entries for specific course and program requirements.

Graduation Requirements 120 credit hours

Residence Requirement

Degree: Minimum 60 credit hours

Major: Minimum 30 credit hours

General Degree Requirements

Humanities: 12 credit hours

Science: 6 credit hours

Social Science: 12 credit hours

Writing: Minimum 3 credit hours of Academic Writing.

Distribution: Minimum 3 credit hours course in each of five (5) subjects.

Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

General Stream Requirements

Required Courses: 33 credit hours of core courses plus the corporate social responsibility requirement, and 24 credit hours of additional Business and Administration courses/Maximum 78 credit hours of Business and Administration courses. Students should consult individual department entry for specific course and department requirements.

Concentration Stream Requirements

Required Courses: 33 credit hours of core courses plus the corporate social responsibility requirement, minimum 12 credit hours in the chosen concentration, and 21 credit hours of additional Business and Administration courses/Maximum 78 credit hours of Business and Administration courses. Students should consult individual department entry for specific course and department requirements.

8. Bachelor of Education Degree Requirements

For degree and major requirements in Education, please see the "Education" section of this Course Calendar.

9. Second Bachelor Degree Requirements

This Section outlines the regulations specific to students seeking a second or simultaneous University of Winnipeg Arts, Science, or Business Administration degrees.

a. University of Winnipeg Students seeking two from an Arts, Science or Business Administration degree.

Note: Limitations to a student seeking two University of Winnipeg degrees

The University does not admit one of its graduates to the same degree a second time.

– students who qualify for the Honours BA or the 4-Year BA or BBA after having been granted the 3-Year BA must relinquish the earlier degree.

– students who qualify for the 4-Year BSc or the Honours BSc after having been granted the 3-Year BSc must relinquish the earlier degree.

– students may not seek both a BA and a BSc when the major field of study resides in the same department or program.

• Two 3-Year Degrees

When the two degrees sought are 3-Year degrees, the student must fulfil:

– a Residence Requirement of 60 credit hours between the two degrees;

– the Major Residence Requirement specified for each degree;

– a total minimum of 120 credit hours between the two degrees with no more than 42 credit hours numbered below the 1000 level;

– all other Degree, Course, Major and Performance Requirements specific to each of the degrees being sought.

• A 4-Year and another Degree

When the two degrees sought are either a 3-Year and a 4-Year OR two 4-Year degrees the student must fulfil:

– a Residence Requirement of 90 credit hours between the two degrees;

– the Major Residence Requirement specified for each degree;

– a total minimum number of 150 credit hours between the two degrees with no more than 42 credit hours numbered at or below the 1000 level;

– all other Degree, Honours, Course, Major and Performance Requirements specific to each degree being sought.

• A BSc (3- or 4-Year) Degree and a BA (Honours) Degree

When the two degrees being sought are either a 3-Year BSc and an Honours BA OR a 4-Year BSc and a Honours BA the student must fulfil:

– a Residence Requirement of 90 credit hours between the two degrees;

– the Major Residence Requirement specified for each degree;

– a total minimum number of 150 credit hours between the two degrees with no more than 42 credit hours numbered at or below the 1000 level;

– all other Degree, Honours, Course, Major and Performance Requirements specific to each of the degrees being sought.

b. Graduates of other Institutions Seeking a Second Arts, Science or Business Administration degree

Note: Limitations to a student seeking a second degree at The University of Winnipeg

Students seeking a second degree at the same level as their first degree are required to fulfil a Major in an area other than the Major area of study in their first degree.

– students with a first degree at the 3-Year level may advance to a 4-Year or Honours level in the same major field of study as their first degree.

– students seeking to advance to a degree at the Honours level must qualify for entrance into the Honours Program.

- **3-Year as the Second Degree**

When the second degree sought is a 3-year degree, the student must fulfil:

- the 30 credit hours University Residence Requirement with courses **at or above the 2000 level**;
- the Major Residence Requirement of 18 credit hours **at or above the 2000 level**;
- a total minimum number of 120 credit hours between the first and the second degree;
- all Degree, Major, Course, and Performance Requirements specific to the degree being sought.

- **4-Year as the Second Degree**

When the second degree sought is a 4-year degree, the student must fulfil:

- the 60 credit hours Residence Requirement, 30 credit hours of which must be **at or above the 2000 level**;
- the Major Residence Requirement of 18 credit hours **at or above the 2000 level**;
- a total minimum number of 150 credit hours between the first and the second degree;
- all other Degree, Course, Major and Performance Requirements specific to the degree being sought.

- **Honours as the Second Degree**

When the second degree sought is an Honours degree, a student must fulfil:

- the 60 credit hours Residence Requirement, 30 credit hours of which must be in courses **at or above the 2000 level**;
- the Major Residence Requirement for Honours or Double Honours, as specified for each degree;
- a total minimum of 150 credit hours between the first and second degree;
- all other Degree, Course, Major and Performance Requirements specific to the Honours degree sought.

For information on a Second Degree in Education, please see the “Education” section of this Course Calendar.

Up-to-date information on

- **Registration**
- **Fees**
- **Awards and Financial Aid**

can be found in the “Student” section of the University’s website at www.uwinnipeg.ca

Areas of Study (Undergraduate) Major and Course Descriptions

Updated April 11, 2013

1. User's Guide
 - a. Introduction
 - b. Key to Course Numbers
 - c. Course Levels
 - d. Course Weight and Value
2. Professional and Applied Studies
3. Areas of Study (Undergraduate) Index

Anthropology (ANTH)	Education (EDUC)	Modern Languages and Literatures (MOD)
Applied Computer Science (ACS)	English (ENGL)	Philosophy (PHIL)
Bioanthropology (BANT)	Environmental Studies and Sciences (ENV)	Physics (PHYS)
Biochemistry (BCHM)	French Studies (FREN)	Politics (POL)
Biology (BIOL)	Geography (GEOG)	Psychology (PSYC)
Biopsychology (BPSY)	German-Canadian Studies (GCS)	Radiation Therapy (RT)
Business and Administration (BUS)	German Studies (GERM)	Religious Studies (REL)
Chemistry (CHEM)	History (HIST)	Rhetoric, Writing, and Communications (RHET)
Classics (CLAS)	History of Art (HISA)	Science with a Business Stream
Conflict Resolution Studies (CRS)	Human Rights and Global Studies (HRGS)	Sociology (SOC)
Co-operative Education (COOP)	Indigenous Studies (IS)	Spanish Studies (SPAN)
Criminal Justice (CJ)	International Development Studies (IDS)	Statistics (STAT)
Developmental Studies (DEV)	Italian Studies (ITAL)	Theatre and Film (THFM)
Disability Studies (DIS)	Kinesiology and Applied Health (KIN)	Theatre and Film/Dance (DANC)
East Asian Languages and Cultures (EALC)	Linguistics, Interdisciplinary (LING)	Urban and Inner City Studies (UIC)
Economics (ECON)	Mathematics (MATH)	Women's and Gender Studies (WGS)
Economics and Finance (EFIN)	Mennonite Studies (MENN)	

1. User's Guide

a. Introduction

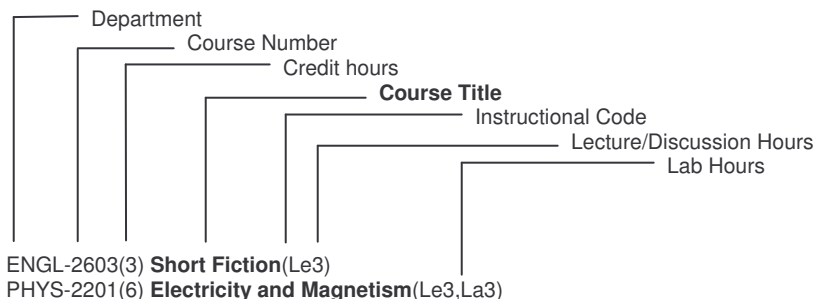
This section provides comprehensive information on degree and major requirements and a listing and short description of all courses offered at The University of Winnipeg.

Each area of study is listed alphabetically and presents information in the following order:

- Area of Study title and code
- List of faculty members
- Degree/programs offered
- Information about the discipline and career opportunities
- Tables listing the requirements for each degree/diploma
- General Information about courses
- A list of all courses offered in the department/program
- Course descriptions for each department/program

Not all courses listed in the Calendar are offered every year. Students should consult WebAdvisor or the Timetable for courses offered during the upcoming term(s).

b. Key to Course Descriptions



Instructional Code Designations:

Le	Lecture/Discussion	P	Project/Thesis
La	Lab	V	Variable meeting hours
S	Seminar/Discussion	A	Apprenticeship/Internship/Practicum
D	Directed Reading		
T	Tutorial		

c. Course Levels

Courses at The University of Winnipeg are numbered according to the following conventions:

0000(x) These courses are elementary courses and are offered on a limited basis. Six(6) credit hours of a 0000 level course may be used towards a degree but may not be used towards fulfilling University of Winnipeg distribution, Humanities, Science or Social Science requirements.

1000(x) These are introductory courses, normally presented in a lecture format. The courses may require a high school prerequisite. A maximum of 42 credit hours of 1000 level course may be used towards a degree. The 42 credit hours may include a maximum of 6 credit hours at 0000 level.

2000(x) These are courses at the second year level and are normally presented in a lecture/discussion format. Second year courses may have first-year prerequisites.

3000(x) These courses are upper-level courses, often dealing with specialized topics. They are normally presented in a lecture/seminar format but may also be tutorials or projects. Many courses at this level have 1000-and/or 2000-level course prerequisites.

4000(x) These courses are normally required for Honours and 4-Year degrees and are highly specialized. They are normally presented as seminars, tutorials, thesis or projects but may also be offered in a lecture format. Entry into 4000-level courses normally requires the permission of a department or program.

5000(x) These courses are designed variously for the pre-Master's, Post-Baccalaureate, or Post-Graduate level.

7000(x) These courses are graduate courses acceptable in the graduate program offering them.

d. Course Weight and Value

The credit value of a course can range from 1 credit hour to 12 credit hours or more. The credit hours assigned to each course are designated as (6), (3), (1.5), etc. The meeting hours of a class vary according to the credit assigned.

PROFESSIONAL AND APPLIED STUDIES

Updated April 9, 2013

INTRODUCTION

The University of Winnipeg offers studies in a variety of professional and applied areas. These include specialized courses related to the specific professional/applied areas integrated with a strong liberal arts and science foundation.

PROFESSIONAL STUDIES

- Bachelor of Education Program (integrated with BA or BSc)
- Degree/Diploma Program in Developmental Studies/Early Childhood Education (UW/RRC/CUSB)
- Degree/Diploma Program in Radiation Therapy (UW/CCMB)

APPLIED STUDIES IN A 4-YEAR BACHELOR OF BUSINESS ADMINISTRATION DEGREE

- Degree/Diploma Program in Business Administration (UW/RRC)

APPLIED STUDIES IN A 4-YEAR BACHELOR OF ARTS DEGREE

- Degree/Diploma Program in Communications (UW/RRC)
- Degree/Diploma Program in Geography/GIS (UW/RRC)

APPLIED STUDIES IN A 4-YEAR BACHELOR OF SCIENCE DEGREE

- Applied Biology (UW/RRC)
- Applied Chemistry (UW/RRC)
- Environmental Studies (UW/RRC)
- Degree/Diploma Program in Geography/GIS (UW/RRC)

PROFESSIONAL STUDIES

Professional Studies programs culminate in one of the University's degrees. In addition, students awarded the degrees are recommended to the appropriate professional body for certification.

THE BACHELOR OF EDUCATION PROGRAM

The University of Winnipeg's Faculty of Education currently offers two routes to prepare students for the teaching profession: an Integrated BEd/BA or BSc program and a two-year After-Degree program. Students in each of these programs can choose to prepare for teaching in the early, middle or senior levels of the educational system. Upon successful completion of their program, students are recommended for permanent certification as teachers in the province of Manitoba. In conjunction with Red River College, The University of Winnipeg offers an Integrated BEd/BA or BSc program to prepare Aboriginal language, Business, or Industrial Arts Technology, or Vocational Education teachers. The University also offers a 5-year integrated BEd/BA program for residents of the inner city (WEC) and a specialized BA/BEd program for Aboriginal people who are working as teacher aides (CATEP). **Details of the program may be found in the Education section of the calendar.**

JOINT 3-YEAR DEGREE/2-YEAR DIPLOMA DEVELOPMENTAL STUDIES/EARLY CHILDHOOD EDUCATION-The University of Winnipeg (UW) and Red River College (RRC) or Université de Saint-Boniface (USB)

The Developmental Studies, Early Childhood Education Program is a four-year long professional program designed to prepare students to be early childhood educators. Students in the program complete coursework at The University of Winnipeg (UW) and either Red River College (RRC) or Université de Saint-Boniface (USB). Students may begin at either UW or a designated college. Graduates receive both a 2-year Diploma in Early Childhood Education from the college institution and a 3-year BA in Developmental Studies from UW. Additionally, they are eligible for Early Childhood Educator III classification from the Ministry of Family Services and Labour, Manitoba Early Learning and Child Care. **Details of the Developmental Studies Program may be found in Stream C of the Developmental Studies section of the calendar.**

4-YEAR Radiation Therapy Degree (The University of Winnipeg and CancerCare Manitoba (CCMB))

The University of Winnipeg offers an integrated degree/diploma program in Radiation Therapy in cooperation with CancerCare Manitoba (CCMB). This program provides students with the opportunity to develop theoretical knowledge and to apply skills towards becoming a Radiation Therapist. Radiation Therapists work as members of a health care team delivering integrated care, mainly to patients with cancer. They are responsible for developing treatment plans and for the operation of CT simulators, treatment machines and other related equipment. They maintain patient treatment data, interpret treatment plans, administer prescribed treatment, and provide information and support to patients. Students normally attend The University of Winnipeg in years one and four of the Radiation Therapy Program and the CancerCare Manitoba location in years two and three. The joint program leads to a **Bachelor of Science degree (4-year)** from The University of Winnipeg. This is a limited enrollment program with eight or fewer students being accepted into Year 2 of the program each year. **Details of the program may be found in the Radiation Therapy section of the calendar.**

APPLIED STUDIES IN A 4-YEAR BACHELOR OF BUSINESS ADMINISTRATION DEGREE

4-YEAR DEGREE Business and Administration (The University of Winnipeg and Red River College)

The University of Winnipeg offers a Bachelor of Business Administration program that draws on the strengths of the Diploma in Business Administration at Red River College. Graduates from RRC receive transfer credit towards completion of a 4-Year Bachelor of Business Administration from The University of Winnipeg.

This program combines specific practical training with the leading edge business education. Students are admitted to the program at the University of Winnipeg after completion of the RRC diploma. They enrol at The University of Winnipeg for the final two and a half years of study. Details of the program may be found in the Business and Administration section of the calendar.

APPLIED STUDIES IN A 4-YEAR BACHELOR OF ARTS DEGREE

4-YEAR JOINT COMMUNICATIONS DEGREE/DIPLOMA (The University of Winnipeg and Red River College)

The University of Winnipeg offers a combined degree/diploma program in Communications in cooperation with Red River College. Generally, students begin at the University of Winnipeg, completing at least 60 credit hours before proceeding to Red River, where they take the two-year Creative Communications Program. The final 12 credit hours of University of Winnipeg courses must be taken during these two years at Red River College if the student wishes to graduate within four years; otherwise, these credit hours may be completed before or after attending Red River College. Students are granted block transfer of 48 credit hours for their Creative Communications Diploma; they receive a BA in Communications once they have received their diploma and completed the prescribed 72 credit hours of study at the University of Winnipeg. **Details of this Program may be found in the Rhetoric, Writing, and Communications section of the calendar.**

4-YEAR JOINT GEOGRAPHY/GIS DEGREE/DIPLOMA (The University of Winnipeg and Red River College)

The University of Winnipeg offers a combined degree/diploma program in Geography/Geographic Information Systems in cooperation with Red River College. The program is intended to integrate a 4-year University of Winnipeg BA in Geography with the 1-year Red River College Advanced Diploma in Geographic Information Systems, effectively compressing five years of study into four years. The program has been specifically designed to prepare students for careers in industry where practical and theoretical skills are necessary. Students are normally enrolled at The University of Winnipeg in years one, two, and four and at Red River College in year three. Students who successfully complete the entire program will receive a 4-Year BA parchment from The University of Winnipeg and an Advanced Diploma from Red River College. **Details of this Program may be found in the Geography section of the calendar.**

APPLIED STUDIES IN A 4-YEAR BACHELOR OF SCIENCE DEGREE

The University of Winnipeg and Red River College have entered into an agreement to provide programs in applied studies in Biology, Chemistry, and Environmental Studies which meet the requirements of the 4-Year BSc degree. The joint degree program requires students to take courses at both institutions in a prescribed sequence. Students who successfully complete the entire program receive a joint degree parchment from The University of Winnipeg and Red River College.

APPLIED BIOLOGY

Applied Biology addresses the need for qualified biotechnologists in Manitoba. The area of study is directed towards an education in biochemistry and cellular biology. Biotechnologists must not only have the basic lab skills required for the job, but also the theoretical background to be able to expand the investigation, to troubleshoot, or to take a leadership role in the lab. These skills are greatly improved by combining the specialties of both Red River College and The University of Winnipeg. When this area of study is coupled with the liberal studies component of the program, students are assured of a flexibility that will permit success in an ever-changing job market. Graduates will find employment in such research facilities as the Freshwater Institute, the Department of Agriculture, health care, food science, the Rh lab, etc. **Details of the program may be found in the Biology section of the calendar.**

APPLIED CHEMISTRY

Applied Chemistry allows the student to develop a sound background in the fundamentals as well as the practical "hands-on" in the laboratory. The area of study is designed to make use of the resources of both The University of Winnipeg and Red River College. Examples of positions in Manitoba which use chemical laboratory skills include the pharmaceutical industry (Apotex, Cangene, Biovail); the food industry (Agra Foods International, CanAmara Foods, McCain's); agriculture (Canadian Grain Commission, Department of Agriculture); and environmental testing (Manitoba Hydro, City of Winnipeg, Freshwater Institute,

Laidlaw, BFI Waste Systems, Enviro-Test Laboratories). **Details of the program may be found in the Chemistry section of the calendar.**

APPLIED ENVIRONMENTAL STUDIES

Applied Environmental Studies provides a unique opportunity in Manitoba for students to gain theoretical knowledge, applied skills, and a liberal studies background in environmental science. The program has been designed specifically to prepare students for careers in industry where practical skills, technical knowledge, critical thinking, and problem-solving skills are essential. Students take courses at both The University of Winnipeg and Red River College in either the four-year or five-year version of the program. **Details of the program may be found in the Environmental Studies and Sciences section of the calendar.**

4-YEAR JOINT GEOGRAPHY/GIS DEGREE/DIPLOMA (The University of Winnipeg and Red River College)

The program is intended to integrate a 4-year University of Winnipeg BSc in Geography with the 1-year Red River College Advanced Diploma in Geographic Information Systems, effectively compressing five years of study into four years. The program has been specifically designed to prepare students for careers in industry where practical and theoretical skills are necessary. Students are normally enrolled at The University of Winnipeg in years one, two, and four and at Red River College in year three. Students who successfully complete the entire program will receive a 4-Year BSc parchment from The University of Winnipeg and an Advanced Diploma from Red River College. **Details of this Program may be found in the Geography section of the calendar.**

ANTHROPOLOGY (ANTH)

Updated September 23, 2013

Note: The department/program code ANTH replaces the former code 02. Students cannot hold credit in ANTH-xxxx and the former 02.xxxx having the same course number (e.g., ANTH-1001(6) and 02.1001(6)).

Chair: Associate Professor M. Roksandic. Professor Emeritus: C. Meiklejohn; Associate Professors: P.B. Clarkson, G. Fulford, Assistant Professors: J. Cidro, I. Roksandic; Technician/Curators: V. McKinley, J. Schmidt

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA

INTRODUCTION

The study of Anthropology reveals the integrated patterns of social and cultural life from a cross-cultural perspective and examines the cultural and biological background of human evolution. At the University of Winnipeg, you may pursue this broad area of study within the more specific fields of Cultural Anthropology, Linguistics, Archaeology, and Biological Anthropology. For students considering a Major in Anthropology, the Department offers 3-Year, 4-Year, and 4-Year Honours BA degrees.

Anthropology provides students with academic preparation for pursuing a wide range of careers, and is especially relevant to those that apply an objective and broad-based understanding of human values and social relations. Graduates find career opportunities in numerous professional areas, including teaching, archaeological and cultural research and resource management, consulting, law and law enforcement, public service, and the health professions.

REQUIREMENTS FOR A 3-YEAR BA IN ANTHROPOLOGY

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours in the Major subject.
Double Major: 30 credit hours in Anthropology and specified number of credit hours as determined by the other department/program.

Combined Major: Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.

Required courses:

ANTH-1001(6) Introductory Anthropology or **ANTH-1002(3)** Introductory Cultural Anthropology and Linguistics plus **ANTH-1003(3)** Introductory Biological Anthropology and Archaeology. In addition, students are required to take a minimum of 6 credit hours in courses in each of three out of four subject areas, for a total of at least 18 credit hours. Subject areas include: Cultural Anthropology (Area II), Archaeology (Area III), Biological Anthropology (Area IV), and Linguistic Anthropology (Area V). Of these, a minimum of 9 credit hours must be from three of the following:
ANTH-2100(3) Method and Theory in Cultural Anthropology
ANTH-2200(3) Method and Theory in Archaeology
ANTH-2300(3) Method and Theory in Biological Anthropology
ANTH-2400(3) Method and Theory in Linguistic Anthropology

Students are advised that a 3-Year BA is not normally sufficient for admission to graduate studies.

SUGGESTED PATTERN OF STUDY TO MEET MINIMUM REQUIREMENTS

Year 1: **ANTH-1001(6)** Introductory Anthropology or **ANTH-1002(3)** Introductory Cultural Anthropology and Linguistics plus **ANTH-1003(3)** Introductory Biological Anthropology and Archaeology
Year 2: 12 credit hours in Anthropology; 3 credit hours may be at the 4000 level and 3 credit hours may be at the 3000 level
Year 3: 12 credit hours in Anthropology

REQUIREMENTS FOR A 4-YEAR BA IN ANTHROPOLOGY

ADMISSION REQUIREMENT	Minimum 30 credit hours completed previously. Students must consult with the Departmental Advisor in selecting Major and ancillary courses.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Science:	6 credit hours
Social Science:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours in the Major subject.
Double Major:	Minimum 48 credit hours in each Major subject as specified by the department/program.
Combined Major:	Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.
Cognates:	Minimum 18 credit hours/Maximum 36 credit hours in ancillary courses. Maximum total of cognate and major courses is 84 credit hours combined.
Required courses:	ANTH-1001(6) Introductory Anthropology or ANTH-1002(3) Introductory Cultural Anthropology and Linguistics plus ANTH-1003(3) Introductory Biological Anthropology and Archaeology. In addition, students are required to take a minimum of 6 credit hours in courses in each of three out of four subject areas, for a total of at least 18 credit hours. Subject areas include: Cultural Anthropology (Area II), Archaeology (Area III), Biological Anthropology (Area IV), and Linguistic Anthropology (Area V). Of these, a minimum of 9 credit hours must be from three of the following: ANTH-2100(3) Method and Theory in Cultural Anthropology ANTH-2200(3) Method and Theory in Archaeology ANTH-2300(3) Method and Theory in Biological Anthropology ANTH-2400(3) Method and Theory in Linguistic Anthropology

SUGGESTED PATTERN OF STUDY TO MEET MINIMUM REQUIREMENTS

Year 1: **ANTH-1001(6)** Introductory Anthropology or **ANTH-1002(3)** Introductory Cultural Anthropology and Linguistics plus **ANTH-1003(3)** Introductory Biological Anthropology and Archaeology
Year 2: 12 credit hours in Anthropology; 3 credit hours may be at the 4000 level and 3 credit hours may be at the 3000 level
Year 3: 18 credit hours in Anthropology including minimum 6 credit hours at the 4000 level and 6 credit hours at the 3000 level
Year 4: 12 credit hours in Anthropology including minimum 6 credit hours at the 4000 level and 6 credit hours at the 3000 level

REQUIREMENTS FOR AN HONOURS BA IN ANTHROPOLOGY

ADMISSION REQUIREMENT

Students must have completed a minimum of 30 credit hours.
Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in non-Honours Subject courses.
The minimum 3.0 GPA (B) is based on all attempts (including course repeats and failures) in Honours Subject courses.
The minimum 2.5 GPA (C+) in all non-Honours Subject courses is calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade is used).

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including a minimum of 18 credit hours at the upper level (3000/4000) of which a minimum of 9 credit hours must be at 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENTS

Single Honours:

Minimum 54 credit hours/ Maximum 78 credit hours in the Honours subject.
Minimum 30 credit hours in upper-level (3000/4000) Honours Subject courses of which a minimum of 15 credit hours must be at the 4000 level.

Double Honours:

Minimum 36 credit hours in each Honours subject. Minimum 24 credit hours at the upper level (3000/4000) in the Anthropology component of the double Honours of which a minimum of 15 credit hours must be at the 4000 level. For the requirements of the other Honours subject consult the department involved.

Required courses:

ANTH-1001(6) Introductory Anthropology or **ANTH-1002(3)** Introductory Cultural Anthropology and Linguistics plus **ANTH-1003(3)** Introductory Biological Anthropology and Archaeology. In addition, students are required to take a minimum of 6 credit hours in courses in each of three out of four subject areas, for a total of at least 18 credit hours. Subject areas include: Cultural Anthropology (Area II), Archaeology (Area III), Biological Anthropology (Area IV), and Linguistic Anthropology (Area V). Of these, a minimum of 9 credit hours must be from three of the following:

ANTH-2100(3) Method and Theory in Cultural Anthropology

ANTH-2200(3) Method and Theory in Archaeology

ANTH-2300(3) Method and Theory in Biological Anthropology

ANTH-2400(3) Method and Theory in Linguistic Anthropology

SUGGESTED PATTERN OF STUDY TO MEET MINIMUM REQUIREMENTS

Year 1: **ANTH-1001(6)** Introductory Anthropology or **ANTH-1002(3)** Introductory Cultural Anthropology and Linguistics plus **ANTH-1003(3)** Introductory Biological Anthropology and Archaeology

Year 2: 12 credit hours in Anthropology; 3 credit hours may be at the 4000 level and 3 credit hours may be at the 3000 level

Year 3: 18 credit hours in Anthropology including minimum 6 credit hours at the 4000 level and 6 credit hours at the 3000 level

Year 4: 18 credit hours in Anthropology including minimum 12 credit hours at the 4000 level and 6 credit hours at the 3000 level

GENERAL INFORMATION

Prerequisites

The following courses are available to students without the prerequisite of **ANTH-1001(6)** Introductory Anthropology, or its equivalent 3 credit hour courses; **ANTH-2103(3)** Ethnography of North American First Peoples; **ANTH-2108(3)** Myth, Magic, and Shamanism; **ANTH-2202(3)** Archaeology of North America; **ANTH-2210(6)** Rise of New World Civilization; **ANTH-2211(3)** Rise of Old World Civilization; **ANTH-2215(3)** World Prehistory; **ANTH-2221(3)** Archaeology of the Holy Lands; **ANTH-2214(3)** and **ANTH-2220(6)** Archaeological Field School; **ANTH-2304(3)** Introduction to Forensic Anthropology; **ANTH-2401(3)** Phonetics and Phonology; **ANTH-2402(3)** Morphology; **ANTH-2403(3)** Syntax; **ANTH-2404(3)** Languages of the World; **ANTH-2405(3)** Semantics; **ANTH-3120(3)** Aboriginal Peoples of Arctic Canada; **ANTH-3126(6)** Material Culture in the History of the Aboriginal Peoples of Canada; **ANTH-3127(3)** History of the Aboriginal Peoples of the Northern Plains; **ANTH-3132(3)** History of the Iroquoian Peoples; **ANTH-3128(3)** History of Eastern and Subarctic Algonquian Peoples; **ANTH-3220(3)** Archaeoastronomy of the Americas; **ANTH-3260(3)** Classical Archaeology; **ANTH-4105(6)** Aboriginals and Newcomers in Encounter: selected topics.

Graduate Studies

Students considering advanced training are advised to consult with a member of the Anthropology Department.

4000-Level Courses: Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of Department is required for each 4000-level course.

COURSE LISTINGS

The Department of Anthropology has organized its courses into four areas of specialization. These divisions are provided as guidelines to the areas of study available for concentration:

Area I	General Category
Area II	Cultural Anthropology
Area III	Archaeology
Area IV	Biological Anthropology
Area V	Linguistic Anthropology

Students should consult the appropriate timetable, available from the Records Office, for courses available during the current session.

AREA I GENERAL CATEGORY

Note: Students should note that taking **ANTH-1002(3)** and **ANTH-1003(3)** is equivalent to taking **ANTH-1001(6)** and provides the same credit. If only **ANTH-1002(3)** is taken, this provides a prerequisite for Cultural Anthropology and Linguistic Anthropology courses and similarly, if only **ANTH-1003(3)** is taken this provides the prerequisite for Biological Anthropology and Archaeology courses.

ANTH-1001(6)	Introductory Anthropology
ANTH-1002(3)	Introductory Cultural Anthropology and Linguistics
ANTH-1003(3)	Introductory Biological Anthropology and Archaeology
ANTH-4001(3)	Directed Readings/ Research in Anthropology
ANTH-4001(6)	Directed Readings/ Research in Anthropology

AREA II
CULTURAL ANTHROPOLOGY

Note: Either **ANTH-1002(3)** or **ANTH-1001(6)** provides a prerequisite for Cultural Anthropology courses. **ANTH-1003(3)** alone, however, is not an acceptable prerequisite for Cultural Anthropology courses.

ANTH-2100(3)	Method and Theory in Cultural Anthropology
ANTH-2103(3)	Ethnography of North American First Peoples
ANTH-2108(3)	Myth, Magic, and Shamanism
ANTH-2160(3)	Indigenous People and the Industrial State
ANTH-3100/4100(3)	History of Anthropology
ANTH-3103(3)	Applied Anthropology
ANTH-3113/4113(3)	Algonquian Ethnography
ANTH-3116/4116(3)	Symbolic Anthropology
ANTH-3117/4117(3)	Ethnohistoric Methods and Theory
ANTH-3120(3)	Aboriginal Peoples of Arctic Canada
ANTH-3125/4125(3)	Ethnographic Research Methods
ANTH-3126(6)	Material Culture in the History of the Aboriginal Peoples of Canada
ANTH-3127(3)	History of the Aboriginal Peoples of the Northern Plains
ANTH-3128(3)	History of Eastern and Subarctic Algonquian Peoples
ANTH-3132(3)	History of the Iroquoian Peoples
ANTH-3160(3)	Cultural Perspectives on Global Processes
ANTH-4102(6)	Problems in Cultural Anthropology
ANTH-4105(6)	Aboriginals and Newcomers in Encounter: Selected Topics

Note: The attention of students is directed to the following courses that are directly complementary to the program in Cultural Anthropology:

HIST-2509(6)	History of the Native Peoples of Canada
HIST-2700(6)	History of Africa
HIST-2901(6)	History of Technology

Other courses relating to the nature of culture and cultural behaviour can be found in the Departments of Religious Studies and Sociology.

EXPERIMENTAL COURSE

ANTH-3262(3)	Health in Antiquity
--------------	---------------------

AREA III
ARCHAEOLOGY

Note: Either **ANTH-1003(3)** or **ANTH-1001(6)** fulfils the prerequisite for most Archaeology and Biological Anthropology courses. **ANTH-1002(3)** alone, however, does not.

ANTH-2200(3)	Method and Theory in Archaeology
ANTH-2202(3)	Archaeology of North America
ANTH-2210(3)	Rise of New World Civilization
ANTH-2211(3)	Rise of Old World Civilization
ANTH-2214(3)	Archaeological Field School
ANTH 2215(3)	World Prehistory
ANTH-2220(6)	Archaeological Field School
ANTH-2221(3)	Archaeology of the Holy Lands
ANTH-3203(6)	Archaeological Field School
ANTH-3204/4204(3)	Issues in Prehistoric Archaeology
ANTH-3205/4205(3)	Issues in the Rise of Civilization
ANTH-3206/4206(3)	The Origins of Human Culture
ANTH-3207(3)	Zooarchaeology
ANTH-3209/4209(3)	Archaeology of Gender
ANTH-3210(3)	Archaeological Laboratory Methods

- ANTH-3213(3)/ 4213(3) Advanced Archaeological Theory
 ANTH-3220(3) Archaeoastronomy of the Americas
 ANTH-3260(3) Classical Archaeology
 ANTH-4200(3) Archaeological Problems
 ANTH-4212(3) Advanced Zooarchaeology

Note: The attention of students is directed to the following disciplines that are directly complementary to the programs in Archaeology: Classics, Physical Geography and History.

EXPERIMENTAL COURSE

ANTH-4230(6) Paleoanthropology/Paleolithic Archaeology Field School

AREA IV BIOLOGICAL ANTHROPOLOGY

Note: Either **ANTH-1003(3)** or **ANTH-1001(6)** fulfils the prerequisite for most Biological Anthropology and Archaeology courses. **ANTH-1002(3)** alone, however, does not.

- ANTH-2300(3) Methods and Theory in Biological Anthropology
 ANTH-2304(3) Introduction to Forensic Anthropology
 ANTH-3302/ 4302(3) Primate Adaptation, Biology, and Evolution
 ANTH-3306(3) Human Osteology
 ANTH-3207(3) Zooarchaeology
 ANTH-3308/ 4308(3) Human Evolution
 ANTH-3309/ 4309(3) Primate Behaviour
 ANTH-3310/ 4310(3) The Race Concept in Physical Anthropology
 ANTH-4212(3) Advanced Zooarchaeology
 ANTH-4303(3) Problems in Human and Primate Evolution
 ANTH-4305(3) Problems in Biological Anthropology
 ANTH-4307(3) Advanced Human Osteology
 ANTH-4311(3) Human Paleopathology

Note: The attention of students is directed to the following disciplines that are directly complementary to the program in Biological Anthropology: Biology and Physical Geography.

AREA V LINGUISTIC ANTHROPOLOGY

Note: Either **ANTH-1002(3)** or **ANTH-1001(6)** provides a prerequisite for most Linguistic Anthropology courses. **ANTH-1003(3)** alone, however, is not an acceptable prerequisite for Linguistic Anthropology courses.

- ANTH-2400(3) Method and Theory in Linguistic Anthropology
 ANTH-2401(3) Phonetics and Phonology
 ANTH-2402(3) Morphology
 ANTH-2403(3) Syntax
 ANTH-2404(3) Languages of the World
 ANTH-2405(3) Semantics
 ANTH-2406(3) Language and Culture
 ANTH-3400/ 4400(3) Language Typology
 ANTH-3405(6) Textual Analysis
 ANTH-3407(3) Institutional Discourse
 ANTH-4401(3) Semiotics and Structuralism
 ANTH-4402(3) Contemporary Linguistics Theory
 ANTH-4403(3) History of Linguistics

EXPERIMENTAL COURSE

ANTH-3406/4406(3) Comparative Indo-European Linguistics and Mythology

COURSE DESCRIPTIONS

ANTH-1001(6) INTRODUCTORY ANTHROPOLOGY (Le3)

This course provides a general introduction to the four main branches of anthropology: archaeological, cultural, linguistic, and physical (biological). Topics include human evolution, the nature of culture and language, the diversity of past and present societies and their ways of life, and the causes and consequences of social and cultural change. Some instructors may devote substantially more time to certain

topics than do others. Students are advised to consult with individual instructors for details.

RESTRICTIONS: Students may not receive credit for ANTH-1001(6) and ANTH-1002(3) or ANTH-1003(3).

ANTH-1002(3) INTRODUCTORY CULTURAL ANTHROPOLOGY AND LINGUISTICS (Le3) This course is a general introduction to the comparative study of culture

and language. Topical emphases vary. In cultural anthropology they may include economic and political organization, kinship and marriage, ritual and belief, and the causes and consequences of cultural change in the contemporary world. In Linguistic Anthropology they may include language structure, pragmatics, sociolinguistics and the ethnography of language. Some instructors may devote substantially more time than others to certain topics. Students are advised to consult with individual instructors for details. **RESTRICTIONS:** Students may not receive credit for both ANTH-1002(3) and ANTH-1001(6).

ANTH-1003(3) INTRODUCTORY BIOLOGICAL ANTHROPOLOGY AND ARCHAEOLOGY (Le3) This is a general introduction to the study of the biological nature and origins of the human species, and of the cultural and biological record of the past. Topical emphases vary but may include basic principles of biological evolution, the human fossil record, modern human variation, and archaeological evidence of the development and diversification of society and culture from earliest times to the rise of ancient civilization.

RESTRICTIONS: Students may not receive credit for both ANTH-1003(3) and ANTH-1001(6).

ANTH-2100(3) METHOD AND THEORY IN CULTURAL ANTHROPOLOGY (Le3) This core course surveys the essentials of theory and method in the anthropological study of culture and society. It examines central concepts and perspectives in relation to their past development and current status, and their applications in ethnographic and ethnological research.

PREREQUISITES: ANTH-1001(6) or ANTH-1002(3) or permission of the instructor required in absence of pre-requisite.

ANTH-2103(3) ETHNOGRAPHY OF NORTH AMERICAN FIRST PEOPLES(Le3) This course surveys the cultures and societies of Aboriginal peoples in Canada and select regions of the United States from the beginnings of European contact to the present day. Topics include economy, social structure, mythology, religion, and culture change.

ANTH-2108(3) MYTH, MAGIC, AND SHAMANISM (Le3) In this course, the related concepts of myth, magic, and shamanism, which form the core of religion in non-literate societies, are examined with the intent of discovering the conceptions of nature, humanity, and the supernatural that are symbolically expressed in these phenomena and give them unity.

ANTH-2160(3) INDIGENOUS PEOPLE AND THE INDUSTRIAL STATE (Le2, S1) The course considers the situation of Indigenous peoples in the regions of Africa, the Americas, Asia and the Pacific. While these people have distinct cultural histories, their relations to nation-states are similar in important ways. Tensions between indigenous people and the industrial state centre on such issues as external market dependency, diversification, and size of the government sector. Students critique standard definitions of progress and efficiency. The implications of contemporary industrial development projects for the future of human societies are studied within the framework of the primal insights, values and definitions shared by Indigenous peoples throughout the globe.

PREREQUISITES: ANTH-1001(6) or ANTH-1002(3) or IDS-1100(6) or permission of Coordinator/Chair.

CROSS-LISTED: IDS-2160(3).

ANTH-2200(3) METHOD AND THEORY IN ARCHAEOLOGY (Le, La3) This is a core course designed to convey the essentials of archaeological method and

theory as they relate to each other. Theoretical and procedural trends are examined to illuminate the nature of contemporary archaeological research. Selected findings of this research are reviewed in accord with the major concepts of archaeology and development of the methodologies employed.

PREREQUISITES: ANTH-1001(6) or ANTH-1003(3) or permission of instructor required in absence of pre-requisite.

ANTH-2202(3) ARCHAEOLOGY OF NORTH AMERICA (Le, La3) This course surveys the archaeology of North American indigenous peoples before European contact. Major culture areas are examined, including the Southwest, Northwest Coast, Arctic, Plains, and Northeast. The regional focus may vary from year to year.

RESTRICTIONS: May not be taken by students with credit in the former ANTH-2202(6).

ANTH-2210(3) RISE OF NEW WORLD CIVILIZATION (Le3) This course covers the period from the origins of agriculture to the rise of historically recorded New World civilizations such as Aztec, Inca, and Maya. Special emphasis is given to the background and origin of food production through the domestication of plants and animals, and to the development of urban centres. Regional emphasis may vary from year to year.

RESTRICTIONS: May not be taken by students with credit in the former ANTH-2210(6).

ANTH-2211(3) RISE OF OLD WORLD CIVILIZATION (Le3)

This course examines the origins and development of civilization in the Old World with emphasis on the prehistoric archaeological record. Topics discussed include the forces behind an increase in population density, the role of civilization and urbanism in state formation, and the problem of collapse of Old World civilizations, such as ancient Egypt, the Near East, China, and the Indus Valley. Regional and chronological coverage may vary from year to year.

ANTH-2214(3) ARCHAEOLOGICAL FIELD SCHOOL (P,V)

This course number allows students who complete a recognized archaeological field school weighted at three credit hours to transfer equivalent credit to the University of Winnipeg. Only field schools offering both a theoretical lecture component and an intensive field component are accepted. Students must meet all requirements set by individual field schools.

RESTRICTIONS: Students must receive departmental permission to enrol in an outside field school for academic credit. Students may not receive credit for both ANTH-2214(3) and ANTH-2220(6).

ANTH-2215(3) WORLD PREHISTORY (Le3)

This course constitutes an introduction to human prehistory from the origin of human culture through the development of civilization, and is intended to familiarize students with major cultural developments worldwide before the advent of recorded history in the Near East, Egypt, Indus Valley, China, Europe, North America, Mesoamerica, South America, Sub-Saharan Africa and the Pacific.

ANTH-2220(6) ARCHAEOLOGICAL FIELD SCHOOL (P, V)

This number allows students who complete a recognized archaeological field school weighted at six credit hours to transfer equivalent credit to the University of Winnipeg. Only field schools offering both a theoretical lecture component and an intensive field component are accepted. Students must meet all requirements set by individual field schools.

RESTRICTIONS: Students must receive departmental permission to enrol in an outside field school for academic credit. Students may receive credit in ANTH-3206(6) and either ANTH-2214(3) or ANTH-2220(6).

ANTH-2221(3) ARCHAEOLOGY OF THE HOLY LANDS (Le3)

This course traces the development of Syrio Palestinian Archaeology, including a study of archaeological remains and sites from the Neolithic period (ca. 8500 B.C.) to the Byzantine period (ca. 330A.D.) in the Levant, or countries bordering on the eastern Mediterranean Sea from Turkey to Egypt. Emphasis is placed on techniques of recovering ancient remains as well as the interpretation of artifacts, including those associated with Biblical text or documents from other ancient Near Eastern cultures.

ANTH-2300(3) METHOD AND THEORY IN BIOLOGICAL ANTHROPOLOGY (Le, La3) This core course examines the theoretical framework of Biological (Physical) Anthropology and the nature of current human biological variation. Topics include evolutionary theory, human genetics, modern human biological variation, human adaptation to the environment, and demographic processes.

PREREQUISITES: ANTH-1001(3) or ANTH-1003(3) or any 1000-level biology course or permission of the instructor is required in absence of pre-requisite.

ANTH-2304(3) INTRODUCTION TO FORENSIC ANTHROPOLOGY (Le, La3) This course introduces key aspects of forensic anthropology in a framework that is not dependent upon prior knowledge of scientific methods. Topics include approaches to the interpretation of skeletal remains and DNA evidence, and the application of information from other sciences to forensic analysis.

ADDITIONAL REQUIREMENT: Completion of 30 credit hours.

ANTH-2400(3) METHOD AND THEORY IN LINGUISTIC ANTHROPOLOGY (Le3) This course examines the relationship between language and culture, including the theories and principles of linguistic anthropology. More than 20 languages are compared and contrasted in order to understand the concepts of language structure. . Topics include the constituent elements of language, pragmatics, language change, literacy and nonverbal communication. Fieldwork techniques are also discussed.

PREREQUISITES: ANTH-1001(6) or ANTH-1002(3) or LING-1001(6) or permission of the Instructor in the absence of pre-requisites.

CROSS-LISTED: LING-2102(3).

ANTH-2401(3) PHONETICS AND PHONOLOGY (Le3)

The course describes all English consonant and vowel sounds in terms of their place and manner of articulation. It also identifies how sounds are organized into syllables and words by studying the concepts of phonemes, allophones, and phonological rules. Although the focus is on English phonology the course refers to other languages to illustrate key concepts.

RESTRICTIONS: This course may not be taken by students with credit in ENGL-2803(3) or LING-2001(3).

CROSS-LISTED: LING-2001(3) and ENGL-2803(3).

ANTH-2402(3) MORPHOLOGY (Le3)

This course introduces student to the concepts and methods of word analysis. Students investigate the nature of morphemes (smallest units of meaning), their different types and functions, and the different ways they are organized into words. The course explores the process of word formation through derivation and compounding as well as grammatical uses of inflectional morphemes. Based largely in English, both lectures and exercises also draw on various other languages to highlight key morphological features and constructs.

RESTRICTIONS: This course may not be taken by students with credit in ENGL-2805(3) or LING-2002(3).

CROSS-LISTED: ENGL-2805(3) and LING-2002(3).

ANTH-2403(3) SYNTAX (Le3)

Syntax is the study of the arrangement of words into groups, clauses and sentences. In this course students use morphological, syntactic, semantic, and lexical criteria to define traditional parts of speech, in order to understand how these combine to form a variety of clauses and sentence types. Form, function, class and structure, are introduced from the perspective of systemic functional and communication linguistics. These descriptive frameworks are contrasted with transformational generative models and others.

RESTRICTIONS: This course may not be taken by students with credit in ENGL-2802(3) or LING-2003(3).

CROSS-LISTED: ENGL-2802(3) and LING-2003(3)

ANTH-2404(3) LANGUAGES OF THE WORLD (Le3)

Taking a general overview of the linguistic map of the world where approximately 7000 languages are currently spoken, this course looks at some of the main language families and examines evidence for genetic relationships within them. Variations within a single language, principles underlying different writing systems, as well as issues of language contact, endangered languages, and the role of English as an emerging world language are also considered. Examples are drawn from a wide range of languages.

RESTRICTIONS: This course may not be taken by students with credit in LING-2103(3).

CROSS-LISTED: LING-2103(3).

ANTH-2405(3) SEMANTICS (Le3) This course offers an introduction to the basic concepts and methods in the analysis of natural language meaning. Students examine current approaches and assess their merit. Approaches to be covered may include structuralist semantics, cognitive semantics, referential semantics, and radical pragmatics.

RESTRICTIONS: This course may not be taken by students with credit in ENGL-2806(3) and LING-2004(3)

CROSS-LISTED: ENGL-2806(3) and LING-2004(3)

ANTH-2406 (3) LANGUAGE AND CULTURE (Le3) The course examines how language encodes cultural dialects from different regions and time periods within various social and cultural contexts. Selected British, American, and Canadian dialects are studied from specific historical and contemporary periods. Social factors such as age, gender, ethnicity, class, socio-economic background, education, politics, and religion are considered from a sociolinguistic perspective.

RESTRICTIONS: This course may not be taken by students with credit in ENGL-2804(3) or LING-2101(3)

CROSS-LISTED: ENGL-2804(3) and LING-2101(3)

ANTH-3100(3)/ ANTH-4100(3) HISTORY OF ANTHROPOLOGY (Le3)

This course examines the development and influence of select schools of anthropological thought and practice from the nineteenth century to the present. Emphasis is given to the approach and contribution of individual scholars, and to the impact of institutions and historically significant events and trends in shaping disciplinary ideas. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2100(3) or permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission.

RESTRICTIONS: Students may not receive credit for both ANTH-3100(3) and ANTH-4100(3). Students with credit in the former ANTH-4101(6) may not receive credit for ANTH-3100(3) or ANTH-4100(3).

ANTH-3103(3) APPLIED ANTHROPOLOGY (Le3) This is a course in the identification and resolution of social problems using anthropological knowledge and technique. Various approaches including community development and

community organization are considered for rural and urban settings.

PREREQUISITES: ANTH-1001(6) or ANTH-1002(3) or permission of the instructor.

ANTH-3113(3) / ANTH-4113(3) ALGONQUIAN

ETHNOGRAPHY (Le, S3) Students in this course read ethnographies, myths and oral histories in order to gain an understanding of the culture of Ojibwe and Cree peoples living in northern Manitoba and Ontario. A holistic approach is used to stress the interrelationship of traditional subsistence activities, spirituality, language and world view. Contemporary economic, social and political issues are also discussed to give students an appreciation of how traditional practices continue to be adapted to meet the challenges of contemporary life. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2100(3) or permission of instructor. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for both ANTH-3113(3) and ANTH-4113(3).

ANTH-3116(3) / ANTH-4116(3) SYMBOLIC

ANTHROPOLOGY (Le, S3) Symbolic anthropology explores indigenous peoples' understandings of their myths and rituals. In this course students learn techniques to analyze and interpret a variety of narratives, rituals and cultural performances. Readings systemically include classic works as well as contemporary work in the field. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2100(3) or permission of instructor. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for both ANTH-3116(3) and ANTH-4116(3).

ANTH-3117(3) / ANTH-4117(3) ETHNOHISTORIC

METHODS AND THEORY (Le, S3) Ethnohistory combines ethnographic and historical methods to study changes in cultures over time. In this course students gain a theoretical understanding of ethnohistory through a series of readings that explore differences between oral and written texts. They also gain a practical understanding of the discipline through the transcription of an oral text, which is contextualized through library and/or archival research. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITE: ANTH-2100(3) or permission of the instructor. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for both ANTH-3117(3) and ANTH-4117(3) or HIST-3526(3) and HIST-4526(3).

CROSS-LISTED: HIST-3526(3) / HIST-4526(3).

ANTH-3120(3) ABORIGINAL PEOPLES OF ARCTIC

CANADA (Le3) This course focuses on the Inuit and their ancestors, inhabitants of Canada's Arctic and adjacent regions for nearly 5000 years. It examines the origins and development of their pre-and post-contact culture in light of archaeological and ethnographic evidence, with emphasis on regional variations in subsistence and settlement patterns, social organizations, intellectual life, and contact with Euro-Canadian institutions, ideas, and state policy. The

course concludes by considering Inuit culture identity in the 21st century.

RESTRICTIONS: Students may not receive credit for both ANTH-2118(3) AND ANTH-3120(3).

CROSS-LISTED: HIST-3522(3).

ANTH-3125(3) / ANTH-4125(3) ETHNOGRAPHIC

RESEARCH METHODS (Le3, LaV) This course offers students an opportunity to learn and apply ethnographic research and field techniques. Areas of instruction include participant observation, surveys, and interviews, the recording of data in field notes and by such means as video, photography and mapping, and ethical considerations in contemporary research settings. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2100(3) or permission of the instructor required in absence of the pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for ANTH-3125 and ANTH-4125(3) and the former ANTH-4108(3).

ANTH-3126(6) MATERIAL CULTURE IN THE HISTORY OF THE ABORIGINAL PEOPLES OF CANADA (Le, S3)

This lecture/seminar course traces Canadian Aboriginal history from pre-contact times to the early 20th century through a close examination of Aboriginal and fur trade material culture. Throughout the course of the fur trade Aboriginal people and Europeans exchanged and adopted various technologies. These exchanges were of critical importance in shaping relations between Euro-American traders and Aboriginal peoples. This course explores various ways in which Aboriginal and European technologies complemented each other and highlights the non-material meanings associated with particular artefacts. We examine the social, cultural and spiritual connotations that Aboriginal artefacts held and that European-introduced technologies and materials acquired.

CROSS-LISTED: HIST-3515(6).

ANTH-3127(3) HISTORY OF THE ABORIGINAL PEOPLES OF THE NORTHERN PLAINS (Le, S3)

This lecture-seminar traces the history of Aboriginal Peoples on the Northern Plains from the pre-contact period to the mid 20th century on both sides of the present Canadian-U.S. border. Ancient plains cultures, the introduction of European technologies, the fur trade, struggles for regional dominance and control over resources, advancing European settlement, and the establishment of reservations/reserve constitute the major topics of this lecture seminar. In a comparative approach, this course explores critical differences and similarities in Aboriginal history on both sides of the Canadian and US border.

CROSS-LISTED: HIST-3518(3).

ANTH-3128(3) HISTORY OF EASTERN AND SUBARCTIC ALGONQUIAN PEOPLES (Le, S3)

This lecture/seminar course traces the histories of eastern and subarctic Algonquian peoples from the Powhatans and Mi'kmaq to the Ojibwe and Cree, from earliest times to the early twentieth century. Oral records, documentary sources, and secondary materials are used to present and juxtapose Aboriginal and European perspectives throughout the course. Topics include group origins, languages, gender relations, and cultural, political, and social history, as well as the effects of contact and governmental policies.

CROSS-LISTED: HIST-3528(3)

ANTH-3132(3) HISTORY OF THE IROQUOIAN PEOPLES

(Le, S3) This lecture/seminar course examines the history of the Iroquoian peoples in Eastern North America from the

precontact time until the present. Emphasis is placed on the Iroquois Confederacy and the Huron (Wendat) peoples living in Canada and the United States. Topics include the origins of the Iroquois Confederacy, the fur trade and Christian missions, the Iroquois Wars and the destruction of Huronia in 1649, the dispersal and migration of Iroquois and Huron communities through the Great Lakes region and the Saint Lawrence Valley, and the influence of the Canada-US border on Iroquois communities.

CROSS-LISTED: HIST-3532(3)

ANTH-3160(3) CULTURAL PERSPECTIVES ON GLOBAL PROCESSES (Le1, S2)

The focus of this course is threefold. First it seeks to apply cultural perspectives on 'global scale theory.' Second, we discern the linkages among some of the main processes at work in 'global systems.' Main processes include communications, transportation, migration, capital, manufacture of export goods, non-state political organizations, and environmental and human health research. The emphasis is on how two or more of these interact. Third, we discuss the effects of these processes in local and regional contexts. The specific processes and their salient interrelationships are chosen in response to interests of those taking the course, and are developed by group reading and discussion, and individually in term paper projects.

PREREQUISITES: IDS-1100(6) OR ANTH-1001(6) OR ANTH-1002(3) or permission of Coordinator/Chair.

CROSS-LISTED: IDS-3160(3).

ANTH-3203(6) ARCHAEOLOGICAL FIELD SCHOOL (P, V)

An intensive course planned and programmed to provide students with practical archaeological experience through excavation of one or more sites. Instruction begins shortly after regular session examinations, and employs lecture, field, and laboratory components in order to teach excavation techniques, processing, analyzing and interpreting of archaeological data.

PREREQUISITES: ANTH-1001(6) or ANTH-1003(3) and ANTH-2200(3). Enrolment is limited - submit application to the Department Chair. Dates are established annually and published by March 1st.

ANTH-3204(3) / ANTH-4204(3) ISSUES IN PREHISTORIC ARCHAEOLOGY(Le3)

This course examines select issues in methodology and/or interpretation of the archaeological record of New World and/or Old World populations prior to the end of the last glacial period, circa 10,000 years ago. Content may vary from year to year and be thematic, regional, and/or chronological in nature. Information about each year's topic can be obtained from the instructor. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2200(3) or permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for both ANTH-3204(3) and ANTH-4204(3).

ANTH-3205(3) / ANTH-4205(3) ISSUES IN THE RISE OF CIVILIZATION (Le3)

This course explores issues of methodology and/or interpretation pertaining to the Old World and/or New World archaeological record of the last 10,000 years. This is a period of major intensification of cultural complexity, the origins of agriculture, and the appearance of urban civilizations. Content may vary from year to year and be thematic, regional, and/or chronological in nature. Information about each year's topic can be obtained from the instructor. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2200(3) or permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission.

Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for both ANTH-3205(3) and ANTH-4205(3).

ANTH-3206(3) / ANTH-4206(3) THE ORIGINS OF HUMAN CULTURE (Le3)

Looking at developments in the Old World, this course examines the two million year period from the first appearance of human culture to the agricultural revolution some twelve thousand years ago. It emphasizes the increase in cultural complexity and specialization over time, and the way that culture has permitted humans to adapt to their environment. As well as discussing the general nature of the prehistoric record, the course examines such general questions as the origins of cultural behaviour, the ecology and chronology of the Pleistocene period, demographic evolution and reconstruction, and the relationship between cultural and biological evolution. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2200(3) or permission of instructor.

All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students with standing in ANTH-3202(3) may not receive credit for ANTH-3206(3) or ANTH-4206(3). Students may not receive credit for both ANTH-3206(3) and ANTH-4206(3).

ANTH-3207(3) ZOOARCHAEOLOGY (Le3, LaV)

This course introduces analytical and theoretical aspects of zooarchaeology through lectures and laboratory exercises focusing on the comparative skeletal anatomy of various mammal, bird, fish, amphibian and reptile species. Topics include post-depositional changes to bones, sampling and recovering faunal remains, ageing and sexing of bone, reconstructing past environments and human dietary strategies, evidence of animal domestication, and bone tool technology.

PREREQUISITES: ANTH-2200(3) or permission of the instructor required in the absence of pre-requisite.

ANTH- 3209(3) / 4209(3) ARCHAEOLOGY OF GENDER (S3)

This course is divided into two main components: examining the role and result of gender bias in archaeological research and analysis of the past; and exploring ways to study gender from the archaeological record. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2200(3) or permission of the instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for both ANTH-3209(3) and ANTH-4209(3).

ANTH-3210(3) / ANTH-4210(3) ARCHAEOLOGICAL LABORATORY METHODS (Le3, LaV)

This course focuses on processing, analysing, and interpreting archaeological materials. It examines a range of specialized techniques for studying lithic, ceramic, botanical, and geological evidence recovered at archaeological sites, and for establishing their temporal context. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2200(3) or permission of instructor required in absence of pre-requisite. All students registering

at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.
RESTRICTIONS: Students may not receive credit for both ANTH-3210(3) and ANTH-4210(3).

ANTH-3213(3)/ANTH-4213(3) ADVANCED ARCHAEOLOGICAL THEORY (S3) Major trends in the development and application of archaeological theory are explored, with special emphasis on perspective initiated since the beginning of the 20th century. Additional in-depth work is required to receive credit at the 4000 level.
PREREQUISITES: ANTH-2200(3) or permission of the instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.
RESTRICTIONS: Students may not receive credit for both ANTH-3213(3) and ANTH-4213(3). Students with credit in the former ANTH-4203(3) may not receive credit for ANTH-3213(3) or ANTH-4213(3).

ANTH-3220(3) ARCHAEOASTRONOMY OF THE AMERICAS (Le3) Using archaeological and ethnographic sources, this course explores the significance and incorporation of astronomical knowledge and symbolism in the indigenous art, architecture, and ideologies of Mesoamerica, Andean South America, and North America.
RESTRICTIONS: Students may not receive credit for ANTH-3220(3) and the former ANTH-4207(3).

ANTH-3260 CLASSICAL ARCHAEOLOGY (Le, S3) This course examines methodological, theoretical, and topical issues in Classical Archaeology, broadly, that is, in the archaeology of ancient Greek and Roman civilizations. Particular emphasis focuses upon directions within the discipline over the past decade. Topics discussed include the integration of archaeological, scientific, artistic, and textual evidence in the reconstruction of classical cultures; the assessment of ancient Greco-Roman ecological, social, ritual, and economic life on the basis of recovered artifacts and ecofacts; and the use of archaeological survey data to examine ancient settlement patterns.
CROSS-LISTED: CLAS-3260(3).

ANTH-3302(3) / ANTH-4302(3) PRIMATE ADAPTATION, BIOLOGY, AND EVOLUTION (Le3, LaV) This course examines the anatomy and evolution of the non-human primates. The primary emphasis is on the fossil record. Topics include the reconstruction of behaviour from fossil remains, the evolution of modern primate groups, and the origin of the Order Primates. Frequent lab sessions enhance and expand upon the information offered in lectures. Additional in-depth work is required to receive credit at the 4000 level.
PREREQUISITES: ANTH-2300(3).
ADDITIONAL REQUIREMENTS: Permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.
RESTRICTIONS: Students may not receive credit for both ANTH-3302(3) and ANTH-4302(3).

ANTH-3306(3) HUMAN OSTEOLOGY (Le3, LaV) This course covers basic human osteological development and identification. Topics include indicators of age and sex and comparison of primate and non-primate features. Emphasis is on the laboratory identification of complete and incomplete human skeletal material.

PREREQUISITES: Credit in at least one course in Physical/Biological Anthropology, or permission of the instructor.

RESTRICTIONS: Students may not receive credit for ANTH-3306(3) and the former ANTH-4306(3).

ANTH-3308(3) / ANTH-4308(3) HUMAN EVOLUTION (Le3, LaV) This course examines the evolution of our species, from the earliest hominins to the appearance of anatomically modern humans. Emphasis is on the material evidence for human evolution, and in particular the fossil record. Topics include the environmental context of human evolution, the anatomical features of bipedalism, and the debates surrounding the origins of Anatomically Modern *Homo sapiens*: Occasional laboratory sessions enhance and expand upon the material presented in lectures. Additional in-depth work is required to receive credit at the 4000 level.
PREREQUISITES: ANTH-2300(3) or permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.
RESTRICTIONS: Students may not receive credit for both ANTH-3308(3) and ANTH-4308(3).

ANTH-3309(3) / ANTH-4309(3) PRIMATE BEHAVIOUR (Le3) The purpose of this course is to acquaint students with the systems of non-human primate behaviour as they occur in a variety of ecological contexts. Some of the topics examined are taxonomy, behaviour and social organization in free-ranging and captive primates and theoretical views related to primate behaviour. Additional in-depth work is required to receive credit at the 4000 level.
PREREQUISITES: ANTH-2300(3), the former ANTH-2303(3), or permission of instructor. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.
RESTRICTIONS: Students with standing in ANTH-3304(3) may not receive credit for ANTH-3309(3) or ANTH-4309(3). Students may not receive credit for both ANTH-3309(3) and ANTH-4309(3).

ANTH-3310(3) / ANTH-4310(3) THE RACE CONCEPT IN PHYSICAL ANTHROPOLOGY (S3) Much of the early history of the discipline of Anthropology was geared towards understanding biological and behavioural differences between "races". Today this type of research has fallen out of favour, with the very existence of distinct biological races coming into question. This seminar course explores some of the key debates about the race concept in Physical Anthropology. The emphasis is on fostering critical reading of primary sources, and engendering active discussion on these issues in an open and non-judgmental environment.
PREREQUISITES: ANTH-2300(3) or permission of instructor. Course content is the same for ANTH-3310(3) and ANTH-4310(3). Additional in-depth work is required to receive credit at the 4000 level. Students registering at the 4000 level must have the permission of the Department.
RESTRICTIONS: Students may not receive credit for both ANTH-3310(3) and ANTH-4310(3).

ANTH-3400(3) / ANTH-4400(3) LANGUAGE TYPOLOGY (S3) This course applies the basic concepts of Anthropological Linguistics to analysis of the phonology, morphology, syntax, semantics, and pragmatics of various languages. The structure of these languages is compared and contrasted to explore typological patterns. Relations between the grammar and pragmatic features of the languages are also explored. Additional in-depth work is required to receive credit at the 4000 level.
PREREQUISITES: ANTH-2400(3) or permission of instructor required in absence of prerequisite. All students registering

at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology or Linguistics require the instructor's signature. It is recommended that students have taken one other second-year linguistic course in addition to the course pre-requisite.

RESTRICTIONS: Students with credit in the LING-3003/4003 cannot receive credit in this course. Students may not receive credit for both ANTH-3400(3) and ANTH-4400(3).

CROSS-LISTED: LING-3003(3) / LING-4003(3).

ANTH-3405(6) TEXTUAL ANALYSIS (Le3) This course examines the principles and methods of textual analysis as a language-centred approach to literary and non-literary discourse. Various texts are analyzed using six descriptive linguistic tools, namely sounding (phonology), seeing (graphology), wording (lexis), arranging (syntax), meaning (semology and semantics), and connecting (cohesion). Textual analysis considers the effect of writers' choices to create different reader responses to literary elements such as developing characters, building suspense, creating humour, and achieving particular rhetorical purposes.

RESTRICTIONS: Students with credit in LING-3001 and/or ENGL-3800 cannot receive credit for this course.

CROSS-LISTED: LING-3001(6) and ENGL-3800(6)

ANTH-3407(3) INSTITUTIONAL DISCOURSE (Le3)

Students are introduced to issues involved in the research being done by linguists, text analysts, discourse analysts, and sociolinguists concerning various types of institutional discourse. They are required to carry out a research project on a register of their choice. Experimental investigations and contemporary research focus on medical, scientific, legal, business, financial, political, classroom, and media discourse.

PREREQUISITES: ANTH-2405(3) or LING-2101(3) or ENGL-2804(3)

RESTRICTIONS: Students with credit in LING-3101(3) cannot receive credit for this course.

CROSS-LISTED: LING-3101(3)

ANTH-4001(3) DIRECTED READINGS/RESEARCH IN ANTHROPOLOGY (T)

This is a course which enables a student to acquaint himself or herself with the frontiers of Anthropological knowledge. In conjunction with an Instructor the student prepares a formal paper. This may be based upon specialized library research, laboratory work or field work.

PREREQUISITES: Permission of instructor.

ANTH-4001(6) DIRECTED READINGS/RESEARCH IN ANTHROPOLOGY (T)

This is a course which enables a student to acquaint himself or herself with the frontiers of Anthropological knowledge. In conjunction with an Instructor the student prepares a formal paper. This may be based upon specialized library research, laboratory work or field work.

PREREQUISITES: Permission of instructor.

ANTH-4102(3) PROBLEMS IN CULTURAL ANTHROPOLOGY (S3, LaV)

This seminar offers senior students a chance to investigate specific problems in cultural anthropology. Emphasis is on preparation and presentation of individual projects based on laboratory, library, museum, or field experience.

PREREQUISITES: ANTH-2100(3) or permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission.

Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

ANTH-4105(6) ABORIGINALS AND NEWCOMERS IN ENCOUNTER: SELECTED TOPICS (S3)

This seminar explores social and cultural interactions among Euro-Canadians and Aboriginal peoples, paying particular attention to Subarctic fur trade and mission contexts. After sampling recent writings in ethnohistory and Aboriginal history, the course draws on archival, visual, and oral records to offer some first-hand experience in dealing with primary source materials in this field of study.

CROSS-LISTED: HIST-4570(6).

ANTH-4200(3) ARCHAEOLOGICAL PROBLEMS (S3) This seminar is designed to give senior students an opportunity to delve into specific problems in archaeology. Attention is paid to the presentation of individual projects involving library, laboratory, or field experience.

PREREQUISITES: a 2000 or 3000-level Archaeology/Prehistory course or permission of the instructor.

ANTH-4212(3) ADVANCED ZOOARCHAEOLOGY (Le, S3, LaV)

This lecture, lab, and seminar course offers in depth examination of select issues in zooarchaeological research and analysis, with special emphasis on the interpretation of human-animal relations in past cultures. Topics vary but may include microscopic analysis of bone and teeth, paleoecology, quantification of taxonomic abundance, economic utility indices, mortality profiles, and determination of animal domestication.

PREREQUISITES: ANTH-3207(3) or permission of the instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

ANTH-4303(3) PROBLEMS IN HUMAN AND PRIMATE EVOLUTION (S3, LaV)

This is an advanced seminar designed to examine selected aspects of human and/or primate evolution in detail.

PREREQUISITES: At least one course in Physical/Biological Anthropology or permission of the instructor.

ANTH-4305(3) PROBLEMS IN BIOLOGICAL ANTHROPOLOGY (S3, LaV)

This is an advanced seminar designed to examine selected aspects of method and/or theory in biological anthropology.

PREREQUISITES: ANTH-2300(3) or permission of the instructor required in absence of the pre-requisite. All students enrolling in a 4000 level course must have departmental permission.

ANTH-4307(3) ADVANCED HUMAN OSTEOLOGY (S3, LaV)

This course covers analysis and interpretation of human osteological material. Topics include skeletal indicators of demographic, pathological, and nutritional factors, and approaches to the analysis of these types of data. An understanding of basic skeletal identification is assumed.

PREREQUISITES: ANTH-3306(3), the former ANTH-4306(3) or permission of the instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

RESTRICTIONS: Students may not receive credit for ANTH-4307(3) and the former ANTH-4304(3).

ANTH-4311(3) HUMAN PALEOPATHOLOGY (S3, LaV)

This seminar critically examines biological and cultural concepts and perspectives related to the study of health and disease in past populations. Topics include trauma, joint disease, infections, paleoparasitology, congenital disorders,

and the role of human behaviour as a determinant of individual and population health outcomes.

PREREQUISITES: ANTH-3306(3), or the former ANTH-4306(3) or permission of instructor required in absence of pre-requisite. All students must have departmental permission.

ANTH-4401(3) SEMIOTICS AND STRUCTURALISM (Le, S3) This course provides a theoretical overview of semiotics (the study of signs and of sign systems) and structuralism (a specific method of analyzing texts). Readings include selected works by Saussure, Peirce, Jakobson, Barthes, Derrida, Lévi-Strauss and others. Special emphasis is given to Lévi-Strauss' structural analysis of myths. Through a variety of projects, students learn how to apply Lévi-Strauss' method to segment related myths and other texts into discrete units of plot, organize these into concordances, and determine patterns of syntagmatic and paradigmatic association. The strengths and weaknesses of this method are also discussed.

PREREQUISITES: ANTH-2100(3) and ANTH-2400(3) or permission of the instructor in the absence of prerequisites. Students with a GPA of less than 3.0 in Anthropology or Linguistics require the instructor's signature.

RESTRICTIONS: Students may not receive credit for ANTH-4401(3) and the former ANTH-4103(3).

CROSS-LISTED: LING-4005(3).

ANTH-4402(3) CONTEMPORARY LINGUISTICS THEORY (S3) In this course students explore several contemporary linguistic theories such as Gregory and Malcolm's communication linguistics; Halliday's systemic functional linguistics; Pike's tagmemics; Lamb's stratificational linguistics; and Chomsky's transformational generative grammar as well as its development in government binding theory. In addition certain theories are introduced which explore the relationship between linguistics, society and culture. Examples include pragmatics and linguistic anthropology.

PREREQUISITES: ANTH-3401(3) or permission of the instructor in the absence of prerequisites. Students with a GPA of less than 3.0 in Anthropology or Linguistics require the instructor's signature.

RESTRICTIONS: Students may not receive credit for ANTH-4402(3) and the former LING-4002(3) and ENGL-4800(3).

CROSS-LISTED: LING-4002(3) / ENGL-4800(3).

ANTH-4403(3) HISTORY OF LINGUISTICS (S3) In this course students explore the history of linguistics from Panini, Plato, and Aristotle before the common era, through the centuries until the nineteen sixties. Theorists considered may include Thrax, Priscian, Sweet, Jespersen, Humboldt, Malinowski, Bloomfield, Sapir, and Saussure.

PREREQUISITES: ANTH-3401(3)

RESTRICTIONS: Students cannot get credit for this course and LING-4001(3) or ENGL-4801(3)

CROSS-LISTED: LING-4001(3) and ENGL-4801(3)

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in a topic. Students who successfully complete any experimental course receive credit as indicated.

ANTH-3262(3) HEALTH IN ANTIQUITY (LeS3) This course explores health, disease, and medicine in the Greek and Roman world. It draws upon evidence from the ancient textual sources (especially Galen and Hippocrates), social history, and archaeology (the latter including all manner of finds—architecture, art, artifacts, environmental materials, and skeletal remains) to examine how residents of the Greek and Roman world perceived and experienced health and disease, and how they sought to combat illness and to promote healing.

CROSS-LISTED: CLAS-3060, KIN-3060

ANTH-3406(3) / ANTH-4406(3) COMPARATIVE INDO-EUROPEAN LINGUISTICS AND MYTHOLOGY (S3) This course proposes an integrated overview of Indo-European tradition based on comparative linguistics, mythology, archaeology, social structure and religion. A survey of Indo-European languages, ancient and modern, including their relationships, writing systems, and sociolinguistic context, is followed by an examination of problems in analysis and reconstruction of Indo-European proto-language and proto-culture. The course further explores major Indo-European mythological and poetic traditions, and possible reconstruction of their common sources. It also examines belief systems, literary continuations of mythopoetic material, archeological evidence and historiographic records. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: All students registering at the 4000 level must have departmental permission.

CROSS-LISTED: LING-3406(3) / LING-4406(3).

ANTH-4230(6) PALEOANTHROPOLOGY/PALEOLITHIC ARCHAEOLOGY FIELD SCHOOL (P,V) This field school in Paleoanthropology and Palaeolithic archaeology provides in-depth training in excavation, documentation, and analysis of paleoanthropological and archaeological material from Pleistocene sites. This course is offered at two early human archaeological sites in Southern and Western Serbia. The course includes a strong component of environmental reconstruction and, while specifically tailored to undergraduate and graduate students with interest in Palaeolithic studies and Paleoanthropology, may also interest students in biology, geology and environmental studies.

PREREQUISITES: Permission of the Instructor. Enrolment is limited - submit application to the Department Chair. Dates are established annually and published by March 1st.

APPLIED COMPUTER SCIENCE (ACS)

Updated March 15, 2013

Note: The department/program code ACS replaces the former codes 92 and 91. Students cannot hold credit in ACS-xxxx and the former 92.xxxx or 91.xxxx having the same course number (e.g., ACS-1803(3) and 92.1803(3) or 91.1803(3)).

Chair: Professor S. Liao; Professors: Y. Chen, S. Ramanna; Associate Professor: P. Atrey; Assistant Professors: C. Henry, R. McFadyen; Instructors: J. Deng, E. Kaluzniacky.

<http://www.acs.uwinnipeg.ca>

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

3-Year BA (Information Systems Stream)

3-Year BA (Health Informatics Stream)

3-Year BSc

4-Year BSc

Honours BSc

3-Year BSc (Information Systems Stream)

3-Year BSc (Health Informatics Stream)

Master of Science (MSc)

INTRODUCTION

The Applied Computer Science major is designed to prepare students in the following core areas: Programming Fundamentals (object-oriented, event driven, algorithms), Information Management (database systems, data modeling, data warehousing, relational databases, query languages), Software Engineering (software requirements and design, software process, software project management), Operating Systems, Net-Centric Computing (internet programming, networks, security), Human Computer Interaction (GUI Design and Programming), Intelligent Systems (Machine Learning).

Our team-oriented courses are meant to strengthen communication skills, experience group dynamics, and foster self-confidence. The 4-year major includes the development of a team-based software project for a local IT organization. Our program will help develop analytical thinking and applied skills by blending theoretical and practical aspects of computer science.

The Applied Computer Science program can lead to a Bachelor of Science (3-year, 4-year, or Honours) or a Bachelor of Arts (3-year or 4-year). This major is focused in theories, professionalism, and fundamental computing knowledge. We recommend the four-year degree programs due to the greater depth of study. Additionally, there are two streams: Information Systems and Health Informatics. The Applied Computer Science major is designed to provide an excellent basis for graduate studies in either computer science or applied computing.

The **Information Systems stream** leads to a Bachelor of Science (3-year) or a Bachelor of Arts (3-year). The Information Systems (IS) stream is aimed at students interested in focusing on information and business needs of IT industry. The new stream is intended to prepare students in information oriented courses, and also in system and internet based technologies.

The **Health Informatics stream** leads to a Bachelor of Science (3-year) or a Bachelor of Arts (3-year). The Health Informatics (HI) stream provides students with more focused courses in Health information needs, infrastructure, standards, and jurisdiction. The HI stream complements offerings of the ACS department, and gives students flexibility of combining all three areas of IT, Business, and Health.

Students pursuing a 3-year or 4-year BSc in Applied Computer Science, including the IS and HI Streams, have the opportunity to take a **Business Stream** (see the "Science with a Business Stream" section of this Course Calendar).

The Applied Computer Science program is designed to provide an excellent basis for graduate studies in computer science, information sciences, or interdisciplinary areas such as Biostatistics.

The Department offers a **Masters Degree in Applied Computer Science and Society**.

REQUIREMENTS FOR A 3-YEAR BA/BSc IN APPLIED COMPUTER SCIENCE

ADMISSION REQUIREMENT Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science for BA
18 credit hours in Science for BSc
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 36 credit hours/Maximum 48 credit hours in the Major subject.
Major courses are those in Required Courses and Electives.
Double Major: 36 credit hours in ACS, plus number of credit hours specified by other Major subject or program

Required courses:

MATH-1401(3) Discrete Mathematics	ACS-2913(3) Software Requirements Analysis and Design
STAT-xxxx(3) 3 credit hours from Statistics	ACS-2914(3) Relational Database Application Development
Either	ACS-2941(3) Unix
ACS-1903(3) Programming Fundamentals I and	OR
ACS-1904(3) Programming Fundamentals II	ACS-3911(3) Computer Networks
OR	OR
ACS-1905(3) Programming Fundamentals and one of the courses from the electives listed below.	ACS-3931(3) Principles of Operating Systems
ACS-2906(3) Computer Architecture and System Software	ACS-2947(3) Data Structures and Algorithms
ACS-2909(3) Internet Programming	ACS-3902(3) Database Systems
	ACS-3913(3) Software Design and Architecture

Electives: Students wishing to take further courses towards the General degree with the Applied Computer Science Major should take up to 12 credit hours from the following:

ACS-1803(3) Introduction to Information Systems	ACS-3916(3) Human Computer Interaction
ACS-2102(3) Scientific Computing I: Programming Fundamentals in C	ACS-3921(3) / 4921(3) Computer Security and Privacy
ACS-2916(3) Business Application Systems	ACS-3923(3) Technical Writing
ACS-2951(3) System Administration and Networking	ACS-3930(3) Topics in Applied Computer Science
ACS-3901(3) Principles of Software Project Management	ACS-3941(3) Implementation Issues in Object Oriented Languages
ACS-3907(3) eCommerce	ACS-3947(3) Algorithm Design
ACS-3908(3) Introduction to Perl	ACS-4904(3) Data Warehousing
ACS-3909(3) Advanced Internet Programming	ACS-4953(3) Introduction to Machine Learning
	BUS-2002(3) Introduction to Financial Accounting

Combined Major: Minimum 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject.

Required courses:

ACS-1903(3) Programming Fundamentals I
ACS-1904(3) Programming Fundamentals II
ACS-2814(3) Application of Database Systems
ACS-2909(3) Internet Programming
ACS-2913(3) Software Requirements Analysis and Design

Additional Information:

Students are strongly advised to take more than 36 credit hours in Applied Computer Science.
Students who wish to strengthen their business background are advised to take courses in Administrative Studies.

Red River College

The Department of Applied Computer Science welcomes the transfer of Red River College students into the 3-Year Applied Computer Science program. The University of Winnipeg will grant a total of 30 credit hours in transfer credits to Red River College students who have successfully completed the Computer Analyst/Programmer (CAP) or the Information Systems Technology (IST)

2-year Diploma programs with an average of C+ (2.5 GPA) or better. These credits can be applied to either a Science or an Arts degree. Further details regarding the transfer of credits and course requirements are available from the Department of Applied Computer Science or from Student Services at the University of Winnipeg. Those who wish to pursue a 4-year major need to consult the Chair of the department.

REQUIREMENTS FOR A 3-YEAR BA/BSc (INFORMATION SYSTEMS STREAM)

ADMISSION REQUIREMENT Essential/Consumer Math, Pre-Calculus Math 40s or Applied Math 40s.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science for BA
18 credit hours in Science for BSc
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 36 credit hours/Maximum 48 credit hours in the Major subject.
Major courses are those in Required Courses and Electives.
Double Major: 30 or 36 credit hours in each Major subject or program, as specified.

Required courses:

Year 1 courses: 9 credit hours

ACS-1803(3) Introduction to Information Systems
ACS-1805(3) Introduction to Programming **and**
ACS-1903(3) Programming Fundamentals I
OR
ACS-1903(3) Programming Fundamentals I **and**
ACS-1904(3) Programming Fundamentals II
OR
ACS-1905(3) Programming Fundamentals **and** one of the ACS courses at 2000 level or above

Year 2 courses: 12 credit hours

ACS-2814(3) Applications of Database Systems
OR
ACS-2914(3) Relational Database Application Development
ACS-2909(3) Internet Programming
ACS-2913(3) Software Requirements Analysis and Design
ACS-2916(3) Business Application Systems

Year 3 courses: 15 credit hours

ACS-3801(3) Principles in Information Systems
OR
ACS-3901(3) Principles of Software Project Management
ACS-3811(3) Telecommunications
OR
ACS-3911(3) Computer Networks
ACS-3816(3) User Interfaces for Information Systems
OR
ACS-3916(3) Human Computer Interaction
ACS-3907(3) eCommerce
ACS-3923(3) Technical Writing
OR
ACS-3830(3) Topics in Information Systems
OR
ACS-3902(3) Database Systems

Electives: Students wishing to take further ACS courses towards the General degree with the Information Systems stream may take a maximum of 12 credit hours from the following:

ACS-2941(3) Unix
ACS-3830(3) Topics in Information Systems
ACS-3902(3) Database Systems
ACS-3909(3) Advanced Internet Programming
ACS-3913(3) Software Design and Architecture

Additional Electives: The following courses may also be of interest to students in this program:

Business and Administration

BUS-1201(3) Introduction to Business I
BUS-1202(3) Introduction to Business II
BUS-2002(3) Fundamentals of Financial Accounting
BUS-2003(3) Introduction to Managerial Accounting
BUS-2103(3) Fundamentals of Organizational Behaviour
BUS-2210(3) Fundamentals of Marketing
BUS-2501(3) Fundamentals of Production and Operational Management

Economics

ECON-1104(3) Introduction to Economic Theory

Mathematics and Statistics

MATH-1102(3) Basic Calculus
MATH-1201(3) Linear Algebra I
MATH-1401(3) Discrete Mathematics
STAT-xxxx(3) any course in Statistics

Conflict Resolution Studies
CRS-1200(6) Introduction to Conflict Resolution Studies

CRS-2210(3) Conflict Theory and Analysis

REQUIREMENTS FOR A 3-YEAR BA/BSc (HEALTH INFORMATICS STREAM)

ADMISSION REQUIREMENT Essential/Consumer Math, Pre-Calculus Math 40s or Applied Math 40s

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science for BA
18 credit hours in Science for BSc
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 36 credit hours/Maximum 48 credit hours in the Major subject.
Major courses are those in Required Courses and Electives.
Double Major: 30 or 36 credit hours in each Major subject or program, as specified.

Required courses:

Year 1 courses: 12 credit hours

ACS-1803(3) Introduction to Information Systems
ACS-1805(3) Introduction to Programming and
ACS-1903(3) Programming Fundamentals I
OR
ACS-1903(3) Programming Fundamentals I and
ACS-1904(3) Programming Fundamentals II
OR
ACS-1905(3) Programming Fundamentals and
one of the ACS courses at 2000 level or above
ACS-1809(3) Web Design and Development

Year 2 courses: 12 credit hours

ACS-2814(3) Applications of Database Systems
OR
ACS-2914(3) Relational Database Application
Development
ACS-2816(3) Health Information Systems
ACS-2909(3) Internet Programming

ACS-2913(3) Software Requirements Analysis and
Design

Year 3 courses: 12 credit hours

ACS-3801(3) Principles in Information Systems
(Health Centric)
OR
ACS-3901(3) Principles of Software Project
Management
ACS-3816(3) User Interfaces for Information Systems
OR
ACS-3916(3) Human Computer Interaction
ACS-3830(3) Topics in Information Systems
(Health Centric)
OR
ACS-3700(3) Health Internship
ACS-3923(3) Technical Writing
OR
ACS-3901(3) Database Systems

Electives: Students wishing to take further ACS courses towards the General degree with the Health Information Systems stream may take a maximum of 12 credit hours from the following. Please note that some of these courses may have additional prerequisites.

ACS-2916(3) Business Application Systems
ACS-2941(3) UNIX
ACS-3902(3) DataBase Systems
ACS-3907(3) eCommerce
ACS-3909(3) Advanced Internet Programming
ACS-3811(3) Telecommunications
OR
ACS-3911(3) Computer Networks
ACS-3913(3) Software Design and Architecture

Additional Electives: The following courses may also be of interest to students in this program:

Business and Administration

BUS-2002(3) Fundamentals of Financial Accounting
BUS-2003(3) Introduction to Managerial Accounting
BUS-2103(3) Fundamentals of Organizational
Behaviour
BUS-2210(3) Fundamentals of Marketing
BUS-2501(3) Fundamentals of Production and
Operational Management

Economics

ECON-1104(3) Introduction to Economic Theory

Geography

GEOG-1102(3) Introductory Human Geography –
People, culture and environment

Kinesiology
KIN-2304(3) Scientific Principles of Fitness and Conditioning
KIN-2501(3) Nutrition for Health and Wellness

SOC-2125(3) Introduction to Research Design and Qualitative Research

Statistics
STAT-1501(3) Elementary Biological Statistics I

Psychology
PSYC-2700(3) Introduction to Clinical Psychology

Conflict Resolution Studies
CRS-1200(6) Introduction to Conflict Resolution Studies
CRS-2210(3) Conflict Theory and Analysis

Sociology

REQUIREMENTS FOR A 4-YEAR BA IN APPLIED COMPUTER SCIENCE

ADMISSION REQUIREMENT Students must consult with the Department 4-Year Advisor in planning their studies. Students must have minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT
Single Major: Minimum 57 credit hours/Maximum 66 credit hours. Major courses are those listed in Groups I and II in below.
Cognates: Minimum of 18 credit hours, maximum of 36 credit hours from Group III. Maximum total of cognate and major courses is 84 credit hours combined.
Required/Electives courses: Group I. See the 4-Year BSc Requirements.
Group II. See the 4-year BSc Requirements.
Group III. A total of 18 credit hours must be chosen from at most three departments that offer a BA. Of these, 6 credits must be at least at the 2000 level or above. You are strongly advised to consult the Chair or the 4-Year Advisor prior to taking any Group III courses.
Combined Major: Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.
Prescribed courses:
ACS-1903(3) Programming Fundamentals I
ACS-1904(3) Programming Fundamentals II
ACS-2814(3) Applications of Database Systems
ACS-2909(3) Internet Programming
ACS-2913(3) Software Requirements Analysis and Design

REQUIREMENTS FOR A 4-YEAR BSc IN APPLIED COMPUTER SCIENCE

ADMISSION REQUIREMENT Students must consult with the Department 4-Year Advisor in planning their studies. Students must have minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours, that is, 90 credit hours meeting the requirements for the BA or BSc General plus 30 credit hours of additional credit hours.

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours
Science: 6 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major:

Minimum 57 credit hours/Maximum 78 credit hours.
Major courses are those listed in Groups I and II below.
18 credit hours in Group III.

Required courses:

Group I:

MATH-1401(3) Discrete Mathematics
STAT-xxxx(3) 3 credit hours from Statistics

Either

ACS-1903(3) Programming Fundamentals I **and**
ACS-1904(3) Programming Fundamentals II
OR
ACS-1905(3) Programming Fundamentals **and**
one of the courses at 2000 level or above from the Group
II electives.

ACS-2906(3) Computer Architecture and System
Software
ACS-2909(3) Internet Programming
ACS-2913(3) Software Requirements Analysis and
Design
ACS-2914(3) Relational Database Application
Development
ACS-2947(3) Data Structures and Algorithms

ACS-3901(3) Principles of Software Project
Management
ACS-3902(3) Database Systems
ACS-3911(3) Computer Networks
OR
ACS-3931(3) Principles of Operating Systems
ACS-3913(3) Software Design and Architecture
ACS-3916(3) Human Computer Interaction
ACS-4901(6) Senior Systems Development Project

Select 9 credits from the following list:

ACS-3909(3) Advanced Internet Programming
ACS-4902(3) Advanced Database Systems
ACS-4904(3) Data Warehousing
OR
ACS-4906(3) Conceptual Modelling
ACS-4953(3) Introduction to Machine Learning
ACS-4954(3) Introduction to Distributed Systems

Group II Electives: Students wishing to take further courses towards the 4-Year Degree should take up to 21 credit hours from the following:

MATH-1201(3) Linear Algebra 1
ACS-1803(3) Introduction to Information Systems
ACS-1805(3) Introduction to Programming
ACS-2916(3) Business Application Systems
ACS-2941(3) Unix
ACS-2951(3) System Administration and Networking
ACS-3907(3) eCommerce
ACS-3908(3) Introduction to Perl
ACS-3921(3) /
4921(3) Computer Security and Privacy
ACS-3923(3) Technical Writing
ACS-3930(3) Topics in Applied Computer Science
ACS-3941(3) Implementation Issues in Object-
Oriented Languages
ACS-3947(3) Algorithm Design
ACS-4930(6) Research Project in Applied Computer
Science
ACS-4931(3) Research Project in Applied Computer
Science

Group III Other Courses: A total of 18 credit hours must be chosen from at most three of the following departments: Business and Administration, Biology, Chemistry, Geography, Physics, Mathematics and Statistics. Of these, 6 credits must be at least at the 2000 level or above. You are strongly advised to consult the Chair or the 4-Year Advisor prior to taking any Group III courses.

Additional Courses:

- Students wishing to take further courses towards the 4-Year degree may select additional Applied Computer Science courses not already taken from Group II listed above.
- Students are encouraged to take more than 57 credit hours in Applied Computer Science.
- Students wishing to take ACS-2916(3) Business Application Systems must complete ACS-1803(3).
- Students wishing to take ACS-4954(3) Introduction to Distributed Systems are encouraged to take ACS-2941(3) or ACS-2951(3).
- Students wishing to pursue the 4-Year degree must consult with the Chair of Applied Computer Science and complete a 4-Year declaration form before registering for their eleventh course (63rd credit hour).

Combined Major:

Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.

Prescribed courses:

ACS-1903(3) Programming Fundamentals I
ACS-1904(3) Programming Fundamentals II
ACS-2814(3) Applications of Database Systems
ACS-2909(3) Internet Programming
ACS-2913(3) Software Requirements Analysis and Design

REQUIREMENTS FOR THE BSc (HONOURS) IN APPLIED COMPUTER SCIENCE

ADMISSION REQUIREMENT

Students must consult with and have the approval of the Department Chair or Chair-designate in planning their studies.
Students must have completed 30 credit hours.

GRADUATION REQUIREMENT 120 credit hours.

GRADUATION GPA REQUIREMENT To graduate with a BSc (Honours), students must have a minimum GPA of 3.0 in all major (Applied Computer Science) courses which will be calculated on all course attempts in the major, and a minimum GPA of 2.75 in all non-major courses which will be calculated as for the general degree.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including 18 credit hours at the upper level (3000/4000) of which a minimum of 9 credit hours are at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 60 credit hours in the Major.
Minimum 30 credit hours in the courses listed in Groups I at the upper level (3000/4000) of which a minimum of 15 credit hours must be at the 4000 level.

Required courses:

Group I:

MATH-1401(3) Discrete Mathematics
STAT-xxxx(3) 3 credit hours from Statistics

Either

ACS-1903(3) Programming Fundamentals I and
ACS-1904(3) Programming Fundamentals II

OR

ACS-1905(3) Programming Fundamentals and one of the courses at 2000 level or above from the Group II electives.
ACS-2906(3) Computer Architecture and System Software
ACS-2909(3) Internet Programming
ACS-2913(3) Software Requirements Analysis and Design
ACS-2914(3) Relational Database Application Development
ACS-2947(3) Data Structures and Algorithms
ACS-3901(3) Principles of Software Project Management

ACS-3902(3) Database Systems
ACS-3911(3) Computer Networks
OR
ACS-3931(3) Principles of Operating Systems
ACS-3913(3) Software Design and Architecture
ACS-3916(3) Human Computer Interaction
ACS-4901(6) Senior Systems Development Project

Minimum 9 credit hours selected from the following courses:

ACS-4902(3) Advanced Database Systems
ACS-4904(3) Data Warehousing
OR
ACS-4906(3) Conceptual Modelling
ACS-4953(3) Introduction to Machine Learning
ACS-4954(3) Introduction to Distributed Systems

Group II Electives

MATH-1201(3) Linear Algebra 1
ACS-1803(3) Introduction to Information Systems
ACS-1805(3) Introduction to Programming
ACS-2102(3) Scientific Computing I: Programming Fundamentals in C
ACS-2916(3) Business Application Systems
ACS-2941(3) Unix
ACS-2951(3) System Administration and Networking
ACS-3907(3) eCommerce
ACS-3908(3) Introduction to Perl
ACS-3909(3) Advanced Internet Programming

ACS-3921(3) / 4921(3) Computer Security and Privacy
ACS-3923(3) Technical Writing
ACS-3930(3) Topics in Applied Computer Science
ACS-3941(3) Implementation Issues in Object-Oriented Languages
ACS-3947(3) Algorithm Design
ACS-4930(6) Research Project in Applied Computer Science
ACS-4931(3) Research Project in Applied Computer Science

Students must complete an Honours BSc degree form available at the department office.

Any additional 3 credit courses in Group I or Group II except first year courses.

GENERAL INFORMATION

Prerequisites

Students are advised to pay attention to the prerequisites for each Applied Computer Science course when planning a program of study. Students can visit the department website for more guidance.

Prerequisites are waived only in the case of clearly demonstrated equivalent knowledge. Only the Department Chair has the authority to grant prerequisite waivers.

Admission to Applied Computer Science Courses

Students are advised that a priority admission procedure may be used in the event that enrolments in Applied Computer Science courses are limited. For all courses, previous overall academic performance may be considered. For 2000-, 3000-, and 4000-level courses, grades achieved in prerequisite courses may also be considered.

Priority for entry into **ACS-4901(6)** will be given to students who require the course for graduation in the 4-Year degree program. Only the Chair of the department has the authority to admit students to courses that are full.

Graduate Studies

Students planning to continue with graduate studies are advised to consult with the Department before entering Year 2 of their studies.

Course Substitutions

Applied Computer Science courses were formerly numbered in the **32(MATH).xxxx** series and **92/91(BUSC).xxxx**. All courses with **32(MATH).xxxx** and **92/91(BUSC).xxxx** numbers may be substituted for corresponding **ACS-xxxx** numbers in meeting degree requirements.

COURSE LISTINGS

Students should consult WebAdvisor or the Timetable on the website for courses to be offered in an upcoming term.

ACS-1453(3) Introduction to Computers	ACS-3902(3) Database Systems
ACS-1803(3) Introduction to Information Systems	ACS-3907(3) eCommerce
ACS-1805(3) Introduction to Programming	ACS-3908(3) Introduction to Perl
ACS-1809(3) Website Design and Development	ACS-3909(3) Advanced Internet Programming
ACS-1903(3) Programming Fundamentals I	ACS-3911(3) Computer Networks
ACS-1904(3) Programming Fundamentals II	ACS-3913(3) Software Design and Architecture
ACS-1905(3) Programming Fundamentals	ACS-3916(3) Human Computer Interaction
ACS-2102(3) Scientific Computing I: Programming Fundamentals in C	ACS-3921(3) / 4921(3) Computer Security and Privacy
ACS-2814(3) Applications of Database Systems	ACS-3923(3) Technical Writing
ACS-2816(3) Health Information Systems	ACS-3930(3) Topics in Applied Computer Science
ACS-2906(3) Computer Architecture and System Software	ACS-3931(3) Principles of Operating Systems
ACS-2909(3) Internet Programming	ACS-3941(3) Implementation Issues in Object Oriented Languages
ACS-2913(3) Software Requirements Analysis and Design	ACS-3947(3) Algorithm Design
ACS-2914(3) Relational Database Application Development	ACS-4901(6) Senior Systems Development Project
ACS-2916(3) Business Application Systems	ACS-4902(3) Advanced Database Systems
ACS-2941(3) Unix	ACS-4904(3) Data Warehousing
ACS-2947(3) Data Structures and Algorithms	ACS-4906(3) Conceptual Modelling
ACS-2951(3) System Administration and Networking	ACS-4930(6) Research Project in Applied Computer Science
ACS-3700(3) Health Internship	ACS-4931(3) Research Project in Applied Computer Science
ACS-3801(3) Principles in Information Systems	ACS-4953(3) Introduction to Machine Learning
ACS-3811(3) Telecommunications	ACS-4954(3) Introduction to Distributed Systems
ACS-3816(3) User Interfaces for Information Systems	
ACS-3830(3) Topics in Information Systems	
ACS-3901(3) Principles of Software Project Management	

COURSE DESCRIPTIONS

Students should consult WebAdvisor or the Timetable on the website for courses to be offered in an upcoming term.

ACS-1453(3) INTRODUCTION TO COMPUTERS (Le3)

This course will introduce students to the basic concepts of computers: types of computers, hardware, software, and types of application systems. Students will receive instruction in a variety of software intended for personal use. Software used will include word processing, spreadsheets, databases, charting and graphing tools, and common Internet clients and resources. There will be an extensive laboratory component.

Note: This course does not apply toward the Major in Applied Computer Science.

ACS-1803(3) INTRODUCTION TO INFORMATION SYSTEMS (Le3)

This course examines applications of

information technology to businesses and other organizations. After an introduction to computers and data management, the course outlines various categories of information systems, (e.g., systems for transaction processing, managerial reporting, customer relationship management, decision support, enterprise resource planning, and e-commerce), with examples from current practice. System development, system security, systems consulting, and IT administration are also discussed. Focus is mostly on functional aspects of systems providing a valuable background for students in applied computer science, business and administration, and other disciplines. Students who require an introduction to personal computers and productivity software should take ACS-1453.

ACS-1805(3) INTRODUCTION TO PROGRAMMING (Le3, La1) This course covers elementary procedural programming concepts. Topics include: primitive data types and their manipulation, basic input and output and elementary control structures. In addition, topics related to a specific programming paradigm that is chosen for the course is covered. Students will gain hands-on programming experience in the laboratory component of the course.

ACS-1809(3) WEBSITE DESIGN AND DEVELOPMENT (Le3) This course introduces students to the concepts, programming skills, and tools related to website design and development. The topics include: website layout; creating tables, frames, menus and forms; presenting multimedia on web pages; and Internet Protocols such as HTTP and FTP. Students gain hands-on programming experience in designing websites using HTML and Cascading Style Sheets.

ACS-1903(3) PROGRAMMING FUNDAMENTALS I (Le3, La1) This course introduces fundamental programming concepts using an object-oriented programming language. Topics to be covered include primitive data types and their manipulation, control structures, classes, objects and arrays.
PREREQUISITES: Pre-Calculus Mathematics 40S or Applied Mathematics 40S or a grade of at least C in ACS-1805.

ACS-1904(3) PROGRAMMING FUNDAMENTALS II (Le3, La1) This course examines more advanced programming concepts using an object-oriented programming language. Topics to be covered include inheritance, polymorphism, sorting techniques, string processing, interfaces, files and packages.

PREREQUISITES: A grade of at least C in ACS-1903(3).
RESTRICTIONS: Students may not receive credit in this course and the former 92/91.1902(3).

ACS-1905(3) PROGRAMMING FUNDAMENTALS (Le3, La1) This course assumes that students already have working knowledge of an object-oriented programming language as well as effective use of data types and control structures. This course begins with an overview of the object-oriented programming language and then more advanced topics in order to extend the student's programming skill. Topics to be covered include inheritance, polymorphism, sorting techniques, string processing, interfaces, files and packages.

PREREQUISITES: A minimum grade of 75 (or equivalent) in Computer Science 40S plus one of Pre-Calculus Mathematics 40S, Applied Mathematics 40S or a grade of at least C in ACS-1805.

RESTRICTIONS: Students may not receive credit in this course and in any of ACS-1903(3), ACS-1904(3) or the former 92/91.1901(3) and 92/91.1902(3).

ACS-2102(3) SCIENTIFIC COMPUTING I: PROGRAMMING FUNDAMENTALS IN C (Le3) Many problems arising in science are too difficult to solve analytically, and thus require analysis of some form by a computer. Using the language of C/C++, this course introduces the most common programming constructs used in scientific computing. The critical importance of data structures to represent information is emphasized, which naturally leads to an object-oriented approach to problem solving. The use of external libraries, such as those for numerical analysis, to solve more advanced problems are explored, with attention paid to checks that can be made on the reliability of the results.
CROSS-LISTED: PHYS-2102(3).

ACS-2814(3) APPLICATIONS OF DATABASE SYSTEMS (Le3, La1) This course introduces students with limited

computing experience to the principles of data management. The emphasis is on practical database experience reinforced through assignments and weekly laboratory work. Students learn first to work with a workstation-based database system and subsequently they are introduced to the design of databases and their implementation in relational systems. Topics include tables, queries, forms, reports, importing and exporting data, structured query language, entity relationship models, the relational data model, and normalization of databases. Examples, assignments, and laboratory work are drawn from a variety of different disciplines.

RESTRICTIONS: Cannot be held with ACS-2914(3).

ACS-2816(3) HEALTH INFORMATION SYSTEMS (Le3) This course provides an overview of the important topics in Health Informatics. It discusses data as the building block for health care information including the basic concepts of data flow, data storage, and health record management within both private and public health care systems. It then addresses important issues such as security, privacy, and standards.

PREREQUISITES: A grade of at least C in ACS-1803(3) or permission of Department Chair.

ACS-2906(3) COMPUTER ARCHITECTURE AND SYSTEM SOFTWARE (Le3, La1) The course begins with discussions of the architecture of computer hardware and progresses to an examination of system software, including its relationship to the hardware, its structure and design, and its impact on application software, system developers, and end-users. Operating system concepts such as memory management, process management, and I/O sub-systems will be covered. Other topics include language processors, system utilities, security issues, and performance management. The course provides students a hands-on experience of programming at different levels such as high level, assembly, and machine code.

PREREQUISITES: A grade of at least C in ACS-1904(3) or ACS-1905(3).

Co-REQUISITES: MATH-1401(3).

ACS-2909(3) INTERNET PROGRAMMING (Le3) This course provides students with an overview of Internet and World Wide Web programming, development tools, resources, utilities, multimedia, and security issues. Students gain hands-on experience in a scripting language such as JavaScript, Rich Internet Applications (RIAs), Web services, and Mobile Application Development. Students not familiar with HTML and CSS are strongly encouraged to take ACS-1809(3).

PREREQUISITES: A grade of at least C in ACS-1903(3) or ACS-1905(3).

ACS-2913(3) SOFTWARE REQUIREMENTS ANALYSIS AND DESIGN (Le3) This course introduces students to the requirements definition phase of software development. It provides coverage of both traditional and object-oriented approaches to requirements analysis and design of software used in business, real-time and embedded applications. Models, notations and processes for requirements elicitation, representation, and design are discussed.

PREREQUISITES: A grade of at least C in ACS-1903(3) or ACS-1905(3).

RESTRICTIONS: Students cannot hold credit in ACS-2913(3) and ACS-2911(3) and/or ACS-2912(3).

ACS-2914(3) RELATIONAL DATABASE APPLICATION DEVELOPMENT (Le3, La1) This course is an introduction to Relational Database Management Systems. It serves to provide students with an overview of the relational model and to give students practical experience using a modern desktop database management system. Students are introduced to topics such as the relational data model, entity-

relationship modelling, business rules, normalization, and database design. The course has a strong focus on practical issues in database application development. Students will gain considerable hands-on experience in application development involving tables, indexes, forms, reports, queries, data entry, updating, event-handling, security, and publishing of data on the Internet.

COREQUISITES: ACS-1904(3) or ACS-1905(3).

RESTRICTIONS: (ineligible students): Cannot be held with ACS-2814(3).

ACS-2916(3) BUSINESS APPLICATION SYSTEMS (Le3, La1) This course firstly presents structured models for business processes and data needed in common transaction processing systems such as order entry, invoicing, accounts receivable and payable, purchasing, inventory and general ledger. Also, system support for manufacturing (e.g., supply chain management, robotics), for marketing (e.g., sales force automation, customer relationship management), and for human resource management (e.g., candidate selection, collective bargaining support) is highlighted, and inter-system interfaces are considered. Large, organization-wide, integrated enterprise resource planning (ERP) systems are discussed in the context of a business case. System controls and security issues are outlined for the systems studied.

PREREQUISITES: A grade of at least C in ACS-1803(3).

ACS-2941(3) UNIX (Le3) This course provides students with advanced concepts and knowledge of Unix, one of the most widely used operating systems. The course introduces students to such topics as shells, filters and pipelines, the Unix file system, processes and job control, and Internet communications. Emphasis is placed on Unix shell programming, which provides valuable tools for developing powerful applications with a minimal amount of written code.

PREREQUISITES: A grade of at least C in ACS-1904(3) or ACS-1905(3) or the former 92/91.1902(3).

ACS-2947(3) DATA STRUCTURES AND ALGORITHMS (Le3, La1) This course introduces fundamental data structures using an object-oriented programming language. Topics to be covered include vectors, multidimensional arrays, linked lists, stacks, queues, trees, graphs, recursion and algorithms.

PREREQUISITES: A grade of at least C in ACS-1904(3) or ACS-1905(3).

CO-REQUISITES: MATH-1401(3).

ACS-2951(3) SYSTEM ADMINISTRATION AND

NETWORKING (Le3, La1) This course covers basic system administration issues of Unix and Windows operating systems (OS), principles of networking, and TCP/IP (the Internet). Students are introduced to topics such as system installation and maintenance, system, and network security and setting up different application servers such as web and SQL. Students will gain considerable hands-on experience in installing, managing, and trouble-shooting networks on the Linux and Windows platforms.

PREREQUISITES: A grade of at least C in ACS-2941(3).

ACS-3700(3) HEALTH INTERNSHIP (A,V) Health Internship is internship in a healthcare environment. The course facilitates professional working experience in a sponsoring health-related organization. Students will be evaluated by both the sponsor and a faculty member. Approval must be obtained from the supervising faculty member as well as from the Department Chair before enrolment.

PREREQUISITES: Students should normally have completed 30 credit hours in the Health Informatics Stream.

ADDITIONAL REQUIREMENTS: Department Chair's permission.

ACS-3801(3) PRINCIPLES IN INFORMATION SYSTEMS (Le3) This course is the final course for the 3 year degree in the Information Systems stream. The course can provide integration (e.g., project management), or provide more depth in specific areas of Information Systems in order to address specific thematic needs.

PREREQUISITES: A grade of at least C in each of ACS-2814(3) or ACS-2914(3), ACS-2909(3), ACS-2913(3) and ACS-2916(3).

RESTRICTIONS: Students cannot hold credit in ACS-3901(3).

ADDITIONAL REQUIREMENT: Department Chair's permission.

ACS-3811(3) TELECOMMUNICATIONS (Le3) This course covers both analog and digital networks, including VLAN, LAN, WAN, Internet, mobile and wireless networks. Important issues like standards, protocols, security, quality of service, network management, and networked services are discussed.

PREREQUISITES: A grade of at least C in ACS-2913(3).

RESTRICTIONS: Students cannot hold credit in ACS-3911(3).

ACS-3816(3) USER INTERFACES FOR INFORMATION SYSTEMS (Le3) This course introduces students to the principles of user interface design and provides an integrated design and development environment to implement the learned principles in an information system component. Topics include different types of input/output interfaces, user cognitive aspects, interface design, prototyping, and evaluation in an information system. A popular user interface development tool is introduced to illustrate the design concepts. Students obtain hands-on experience in this course through a course-end project.

PREREQUISITES: A grade of at least C in each of ACS-2814(3) and ACS-2909(3), or ACS-2909(3) and ACS-2914(3).

RESTRICTIONS: Cannot be held with ACS-3916(3).

ACS-3830(3) TOPICS IN INFORMATION SYSTEMS (Le3)

This course treats specific topics in various areas of Information Systems of interest to the students, faculty members, and industry partners. This course integrates practical experience with the study of information systems in large organizations. The course is specifically designed for Information Systems stream students entering the work force. Students learn the strict professional requirements like quality assurance, standard compliances, risk containments, and integration issues. The industry partner provides students with organizational level requirements and input.

PREREQUISITES: A grade of at least C in each of ACS-2814(3), ACS-2909(3), ACS-2913(3) and ACS-2916(3).

RESTRICTIONS: Students cannot hold credit in ACS-3901(3).

ADDITIONAL REQUIREMENT: Department Chair's permission.

ACS-3901(3) PRINCIPLES OF SOFTWARE PROJECT MANAGEMENT (Le3) This course covers principles and techniques of software project management, with emphasis on the theoretical underpinnings of the competencies that are associated with software project management. The key concepts of project planning, organization, and control are covered. Specific topics covered include task breakdown;

estimating, scheduling, and tracking; process and project metrics; change control; risk analysis and management; software quality and reliability models; quality assurance; and configuration management.

PREREQUISITES: A grade of at least C in ACS-1904, ACS-2913(3), (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2914(3).

RESTRICTIONS: Students with standing in the former 92/91.3920(6) may not hold credit for ACS-3901(3).

ACS-3902 (3) DATABASE SYSTEMS (Le3) This course introduces the theory of relational, network, and hierarchical

models. It covers in detail the techniques utilized in various stages of a relational database software development life cycle. These techniques include ERDs, relational models, functional dependencies, normalization, and physical data storage mechanisms. Query language fundamentals including relational algebra and SQL are also covered. A project involving the design and implementation of a database is required.

PREREQUISITES: A grade of at least C in ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2914(3).

ACS-3907(3) eCOMMERCE (Le3) In this course our students will explore new opportunities, risks, and technologies related to electronic commerce. Both business and technical issues will be addressed. Business issues will include the role of eCommerce in the marketing plan and organizational strategy in both business-to-customer and business-to-business contexts. Technical topics will include architecture, application models, payment strategies and security. This course is designed for double majors in Applied Computer Science and Business and Administration.
PREREQUISITES: A grade of at least C in ACS-1803(3) and ACS-2909(3).

ACS-3908(3) INTRODUCTION TO PERL (Le3, La1) This course introduces the basic concepts of the Perl language and the Common Gateway Interface (CGI) that enables web browsers to exchange data with computer programs located on a web server. Students develop skill in script programming in Perl and building dynamic web pages with CGI. Topics include variables, control structures, file I/O, functions, arrays, using modules, and object-oriented programming.
PREREQUISITES: A grade of at least C in ACS-2941(3).

ACS-3909(3) ADVANCED INTERNET PROGRAMMING (Le3) This course provides students with a thorough knowledge of server-side web programming. Topics include n-tiered systems, session tracking, interfaces and stereotypes, dynamic web page design, database connections, and XML processing. Students gain considerable knowledge and experience by learning important features needed for e-commerce, applying advanced web application techniques, and utilizing web databases.
PREREQUISITES: A grade of at least C in ACS-2909(3), ACS-2914(3) and ACS-2947(3).

ACS-3911(3) COMPUTER NETWORKS (Le3) This course covers the principles, technology, protocols, and algorithms of computer networks. The layers of the network stack are discussed, with particular focus on the internet network stack. Topics of discussion include network technologies, simple and sliding window protocols, routing and routing algorithms, congestion control, quality of service, security, and network applications.
PREREQUISITES: A grade of at least C in ACS-2906(3), ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2947(3).**RESTRICTIONS:** Students cannot hold credit in ACS-3911(3) and ACS-3811(3).

ACS-3913(3) SOFTWARE DESIGN AND ARCHITECTURE (Le3) This is an advanced course in software design that examines recent advances in the design of larger application systems. Topics include software architecture, object-oriented analysis and design, software patterns, and the Unified Modeling Language (UML).
PREREQUISITES: A grade of at least C in ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2947(3).

ACS-3916(3) HUMAN COMPUTER INTERACTION (Le3) This course covers the fundamentals and concepts of design, implementation, and evaluation of human-computer interfaces. Topics include human cognitive aspects; user-centred design; design goals and principles; interface and interaction types; prototyping and construction; and evaluation methods. The design concepts are demonstrated using a state-of-the-art interface development tool. In order to make a balance between theory and practice, emphasis is placed on a course-end project involving design, implementation and evaluation of the user interface for a specific application.
PREREQUISITES: A grade of at least C in ACS-2914(3).
RESTRICTIONS: Students cannot hold credit in ACS-3916(3) and ACS-3816(3).

ACS-3921(3) / ACS-4921(3) COMPUTER SECURITY AND PRIVACY (Le3) This course introduces students to the security and privacy issues in computer systems. It covers the fundamental computer security techniques such as encryption methods, public key cryptography, hash function and signature schemes, key exchange protocols, authentication and access control models. The course also examines the applications of these techniques for multimedia security, intrusion detection, copyright and password protection, and protection from malicious programs. Privacy preserving techniques such as data aggregation, perturbation, k-anonymity and l-diversity, and ethical issues are also discussed. Students at the 4921 level additionally undertake a comprehensive project on a topic related to computer security and privacy.
PREREQUISITES: A grade of at least C in both ACS-2906(3) and ACS-2947(3), or permission of Chair.
RESTRICTIONS: Students who have taken ACS-3921 will not be eligible to take ACS-4921.

ACS-3923(3) TECHNICAL WRITING (Le3) This course will discuss principles, strategies, and techniques of writing in a systems environment. Topics include the writing process; invention, structuring, and drafting strategies; identifying audience and purpose; business and technical correspondence; project documentation; user documentation; presentations, both technical and executive; and the readability of documents, from the high-level structure down to the sentence and word levels. This course will include many practical exercises in course topics.
PREREQUISITES: A grade of at least C in ACS-2913(3) (or the former ACS-2911(3) and ACS-2912(3)).

ACS-3930(3) TOPICS IN APPLIED COMPUTER SCIENCE (Le3) This course treats specific topics in various areas of applied computer science of interest to the student and faculty member.
PREREQUISITES: A grade of at least C in both ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2947(3).

ACS-3931(3) PRINCIPLES OF OPERATING SYSTEMS (Le3) This course covers the principles and design of operating systems. In the first half of the course students are introduced to multiprogramming and become familiar with the process and thread abstractions. Students are introduced to concurrent programming. Topics include: mutual exclusion, synchronization, and inter-process communication. The second half of the course introduces students to the roles and components of operating systems, and how these components interact. Topics include process control, memory management, file systems, and input/output.
PREREQUISITES: A grade of at least C in ACS-2906(3) and ACS-2947(3).

ACS-3941(3) IMPLEMENTATION ISSUES IN OBJECT ORIENTED LANGUAGES (Le3) This course focuses on advanced features of a contemporary OO language. Emphasis is on implementation issues and strengthening programming skills of students.

PREREQUISITES: A grade of at least C in both ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2947(3).

ACS-3947(3) ALGORITHM DESIGN (Le3) This course focuses on the connection between data structures and the corresponding algorithms, including simple analysis of computational complexity. The emphasis is on comparative study of alternate ways to implement solutions to computing problems.

PREREQUISITES: A grade of at least C in both ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2947(3).

ACS-4901(6) SENIOR SYSTEMS DEVELOPMENT PROJECT (Le3, P) This course applies the principles and techniques of software project management covered in ACS-3901(3) to a significant systems development project undertaken by students in teams. A project proposal, project plan, regular status reports, and a completion report are required. All work must conform to proper analysis, design, programming, and documentation standards. Each team holds status reviews at appropriate life-cycle milestones. A final presentation and a formal demonstration of the system are required at the end of the project.

PREREQUISITES: A grade of at least C in ACS-2914(3), ACS-3901(3), ACS-3902(3), and ACS-3913(3), and a minimum average GPA of 2.0 in all ACS-xxxx courses previously taken.

RESTRICTIONS: Students may not hold credit in this course and the former 92/91.3920(6).

ACS-4902(3) ADVANCED DATABASE SYSTEMS (Le3) This course is a continuation of ACS-3902(3). It deals with advanced topics in database design, use, and administration. Database design topics include enhanced ER diagrams and object-oriented data modelling. Other topics include transaction processing, concurrency control and recovery, security, and integrity. Object-oriented databases and client-server architectures will also be discussed.

PREREQUISITES: A grade of at least C in both ACS-2947(3) and ACS-3902(3).

ACS-4904(3) DATA WAREHOUSING (Le3) This course explores the role of data warehouses in supporting decision-making in organizations. Topics include definition of a data warehouse; extracting, cleansing, and transforming data; building and maintaining the warehouse; meta data; dimensional analysis and multidimensional modeling; multidimensional data structures; Star schemas; OLAP (On Line Analytical Processing); drilling down and across; and web deployment.

PREREQUISITES: A grade of at least C in all of ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)), ACS-2947(3) and ACS-3902(3).

ACS-4906(3) CONCEPTUAL MODELLING (Le3) This course explores the role of conceptual modelling in the development of information systems. A conceptual model is

an abstraction of reality that serves as a communication mechanism between the stakeholders of a system and its developers. The course covers various approaches proposed for conceptual modelling included UML, EERD, and ORM. Students gain considerable practical experience with pertinent software tools.

PREREQUISITES: A grade of at least C in ACS-3902(3).

ACS-4930(6) RESEARCH PROJECT IN APPLIED COMPUTER SCIENCE (NT) This course is designed to allow a student to conduct a specific research project under the supervision of a faculty member. An essential component of the course is an oral presentation and a written report of the results. Approval for the planned project must be obtained from the supervising faculty member as well as from the Department Chair before enrolment.

PREREQUISITES: Students should normally have completed 30 credits in ACS.

RESTRICTIONS: Students must obtain written permission from the Department Chair to register for the course.

ACS-4931(3) RESEARCH PROJECT IN APPLIED COMPUTER SCIENCE (NT) This course is designed to allow a student to conduct a specific research project under the supervision of a faculty member. An essential component of the course is an oral presentation and a written report of the results. Approval for the planned project must be obtained from the supervising faculty member as well as from the Department Chair before enrolment.

PREREQUISITES: Students should normally have completed 30 credits in ACS.

RESTRICTIONS: Students must obtain written permission from the Department Chair to register for the course.

ACS-4953(3) INTRODUCTION TO MACHINE LEARNING (Le3) This course is an introduction to the broad field of machine learning. Machine learning provides the technical basis for data mining. This course examines the foundations and implementations of several machine learning algorithms. Specific topics include: rule and tree-based classifiers, bayesian models, clustering techniques and numeric prediction. Popular machine learning tool sets will be used to gain practical hands-on experience in i) preparing the data, ii) applying the various learning techniques and iii) interpreting the credibility of the results.

PREREQUISITES: A grade of at least C in each of ACS-3902(3), MATH-1401(3), and one 3 credit hour course offered by the Statistics department.

ACS-4954(3) INTRODUCTION TO DISTRIBUTED SYSTEMS (Le3) This course is an introduction to the broad field of distributed systems. It focuses on introducing students to the benefits, challenges, methods, and implementations of distributed systems. Reasons for deploying distributed systems, such as fault tolerance and agglomeration of computational resources are discussed. Other topics include implementation challenges such as synchronization and replication in the presence of faults. Common system architectures that address some of these challenges are also introduced. Students are expected to implement some of these architectures to reinforce the lecture material.

PREREQUISITES: A grade of at least C+ in all of MATH - 1401(3), ACS-2906(3) and ACS-3911(3).

BIOANTHROPOLOGY (BANT)

Updated Jan. 15, 2013

Note: The department/program code BANT replaces the former code 06. The department/program code ANTH replaces the former code 02. Students cannot hold credit in ANTH-xxxx and the former 02.xxxx having the same course number (e.g., ANTH-1001(6) and 02.1001(6)).

Coordinator: M. Roksandic; Program Advisors: M. Wiegand, M. MacKinnon.

DEGREE/PROGRAM OFFERED

3-Year BSc

3-Year BSc (Business Stream)

4-Year BSc

4-Year BSc (Business Stream)

INTRODUCTION

This degree combines the information and methodologies of Anatomy, Anthropology, Archaeology, Biochemistry and Biology with the techniques of the physical sciences to examine human biological systems of the past and present. It is an interdisciplinary program which is founded primarily on courses from the departments of Anthropology and Biology. Students in the Program will gain an understanding of comparative anatomy, cellular biology, methods in archaeology and primate evolution. They will also obtain experience in up-to-date laboratory techniques and procedures. This Program offers students the option of combining two exciting disciplines to create a skill set that is interesting and unique.

The Program offers both a 90 credit hour BSc (General) and a 120 credit hour BSc Four Year. Students pursuing a 3-year or 4-year BSc have the opportunity to take a Business Stream (see the "Science with a Business Stream" section of this Course Calendar).

The Bioanthropology Program may lead to careers in government and hospital laboratories, forensic laboratories, museums and zoos. Graduates in the 4 Year Degree option could also pursue further studies in either Anthropology or Biology. This Program may also be of interest to students intending to go into medicine, or dentistry.

REQUIREMENTS FOR A 3-YEAR BSc IN BIOANTHROPOLOGY

ADMISSION REQUIREMENT	Students must meet with a Program Advisor or the Program Coordinator in planning their courses.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Writing:	Minimum 3 credit hours of Academic Writing
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 42 credit hours with 33 credit hours to be taken from required courses and 9 credit hours as dictated from listings in LIST A and LIST B, below.
Double Major:	Minimum 42 credit hours in Bioanthropology and specified number of credit hours in other Major (may vary depending on interdisciplinary courses completed as they may be able to be credited to both Majors).

Required courses:

ANTH-1001(6)	Introductory Anthropology	ANTH-2300(3)	Method and Theory in Biological Anthropology
OR		BIOL-1115(3)	Cells and Cell Processes
[ANTH-1002(3)	Introductory Cultural Anthropology and	BIOL-1116(3)	Evolution, Ecology and Biodiversity
ANTH-1003(3)]	Introductory Biological Anthropology and Archaeology)	BIOL-2301(3)	Genetics
ANTH-2100(3)	Method and Theory in Cultural Anthropology	CHEM-1111(3)	Introduction to the Chemical Properties of Matter
ANTH-2200(3)	Method and Theory in Archaeology	CHEM-1112(3)	Basic Principles of Chemical Reactivity
		STAT-1501(3)	Elementary Biological Statistics I

Minimum of 3 credit hours as chosen from courses in LIST A – listed below

Minimum of 6 credit hours as chosen from courses in LIST A or LIST B – listed below

REQUIREMENTS FOR A 4-YEAR BSc IN BIOANTHROPOLOGY

ADMISSION REQUIREMENT	Students must consult with the Program Coordinator or a Program Advisor when planning their studies.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Writing	Minimum 3 credit hours of Academic Writing
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 69 credit hours with 33 credit hours to be taken from required courses and 36 credit hours as dictated from listings in LIST A and LIST B, below.
Double Major:	Minimum 69 credit hours in Bioanthropology and specified number of credit hours in other Major; may vary depending on Interdisciplinary courses completed as they may be able to be credited to both Majors.

Required courses:

ANTH-1001(6)	Introductory Anthropology	BIOL-1115(3)	Cells and Cell Processes
OR		BIOL-1116(3)	Evolution, Ecology and Biodiversity
[ANTH-1002(3)	Introductory Cultural Anthropology and	BIOL-2301(3)	Genetics
ANTH-1003(3)]	Introductory Biological Anthropology and Archaeology)	CHEM-1111(3)	Introduction to the Chemical Properties of Matter
ANTH-2100(3)	Method and Theory in Cultural Anthropology	CHEM-1112(3)	Basic Principles of Chemical Reactivity
ANTH-2200(3)	Method and Theory in Archaeology	STAT-1501(3)	Elementary Biological Statistics I
ANTH-2300(3)	Method and Theory in Biological Anthropology		

Minimum of 18 credit hours as chosen from courses in LIST A – listed below

Minimum of 18 credit hours as chosen from courses in LIST B – listed below

Bioanthropology: LIST A and LIST B course listings

LIST A: Biological Anthropology courses, defined as Area IV by the Department of Anthropology in the current calendar (see below) together with any experimental courses defined by the Department of Anthropology as Biological Anthropology:

ANTH-2304(3)	Introduction to Forensic Anthropology	ANTH-4212(3)	Advanced Zooarchaeology
ANTH-3207(3)	Zooarchaeology	ANTH-4303(3)	Problems in Human and Primate Evolution
ANTH-3302(3)/4302(3)	Primate Adaptation, Biology and Evolution	ANTH-4305(3)	Problems in Biological Anthropology
ANTH-3306(3)	Human Osteology	ANTH-4307(3)	Advanced Human Osteology
ANTH-3308(3)/4308(3)	Human Evolution	ANTH-4311(3)	Human Paleopathology
ANTH-3309(3)/4309(3)	Primate Behaviour	ANTH-4001(3)	Directed Readings/Research in Anthropology
		ANTH-4001(6)	Directed Readings/Research in Anthropology

LIST B: Biology, Chemistry, and Kinesiology courses:

BIOL-2111(6)	Comparative Chordate Zoology
BIOL-2451(3)	Introduction to Animal Behaviour
BIOL-3202(3)	Histology
BIOL-3221(3)	Cell Biology
BIOL-3303(3)	Molecular Genetics and Genomics
BIOL-3492(3)	Quantitative and Theoretical Biology
BIOL-3602(3)	Comparative Animal Physiology I
BIOL-3603(3)	Comparative Animal Physiology II
BIOL-3562(3)	Human Embryology
BIOL-3492(3)	Quantitative and Theoretical Biology
BIOL-4303(3)	Population Genetics
BIOL-4331(3)	Evolutionary Biology
BIOL-4501(3)	Developmental Biology
BIOL-4502(3)	Molecular Cell Biology

BIOL-4601(3) Ecological Animal Physiology
CHEM-2202(3) Organic Chemistry I
CHEM-2203(3) Organic Chemistry II
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function and Energetics of Biomolecules
CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism
KIN-2301(3) Human Anatom

Recommended: Students planning on graduate studies should seriously consider taking **BIOL-4111(6) Honours Thesis** course. Students are advised to take **GEOG-1202(3) Introductory Earth Science**.
Students considering admission to programs in the health sciences (e.g., medical school) are urged to check with the programs to which they plan to apply with respect to their requirements. In particular, such students may need to take more courses in Chemistry than are required.

GENERAL INFORMATION

Prerequisites

Chemistry 40S AND Either Pre-Calculus or Applied Mathematics are required for registration in **BIOL-1115(3)** Cells and Cellular Processes, **BIOL-1116(3)** Evolution, Ecology and Biodiversity, **CHEM-1111(3)** Introduction to the Chemical Properties of Matter and **CHEM-1112(3)** Basic Principles of Chemical Reactivity.

NOTE: Course Listings and Descriptions can be found under the appropriate Departmental Listings: Anthropology (02), Biology (05), Chemistry (08), Statistics (53)

Bioanthropology: Suggested Course Selection for 3-Year Degree

Year 1

ANTH-1001(6) Introductory Anthropology
BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity
CHEM-1111(3) Introduction to the Chemical Properties of Matter
CHEM-1112(3) Basic Principles of Chemical Reactivity
xx.xxxx(6) Humanities
RHET-1103(3) Academic Writing: Science
STAT-1501(3) Elementary Biological Statistics I

Year 2

ANTH-2100(3) Method and Theory in Cultural Anthropology
ANTH-2200(3) Method and Theory in Archaeology
ANTH-2300(3) Method and Theory in Biological Anthropology
BIOL-2301(3) Genetics
xx.xxxx(6) Humanities
3 credit hours as chosen from LIST A or LIST B above
9 credit hours of electives

Year 3

3 credit hours of Biological Anthropology electives – as chosen from LIST A above
3 credit hours as chosen from LIST A or LIST B above
21 credit hours of electives

Bioanthropology: Suggested Course Selection for 4-Year Degree

Year 1

ANTH-1001(6) Introductory Anthropology
BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity
CHEM-1111(3) Introduction to the Chemical Properties of Matter
CHEM-1112(3) Basic Principles of Chemical Reactivity
xx.xxxx(6) Humanities
RHET-1103(3) Academic Writing: Science
STAT-1501(3) Elementary Biological Statistics I

Year 2

ANTH-2100(3) Method and Theory in Cultural Anthropology
ANTH-2200(3) Method and Theory in Archaeology
ANTH-2300(3) Method and Theory in Biological Anthropology
BIOL-2301(3) Genetics
xx.xxxx(6) Humanities
6 credit hours of Biology/Chemistry/Kinesiology electives – as chosen from LIST B above
6 credit hours of electives

Year 3

9 credit hours of Biological Anthropology electives – as chosen from LIST A above
6 credit hours of Biology/Chemistry/Kinesiology electives – as chosen from LIST B above
15 credit hours of electives

Year 4

9 credit hours of Biological Anthropology electives – as chosen from LIST A above

6 credit hours of Biology/Chemistry/Kinesiology electives – as chosen from LIST B above

15 credit hours of electives

NOTE: Certain courses are not offered annually. Therefore, students should seek advising on Year 3 and Year 4 registration.

BIOCHEMISTRY (BCHM)

Updated March 13, 2013

Note: The department/program code BCHM replaces the former code 85. Students cannot hold credit in BCHM-xxxx and the former 85.xxxx having the same course number.

Coordinator: J. Franck; **Program Advisors:** E. Byard, D. Craig, M. Eze, P. Holloway, D. Vanderwel, M. Wiegand.

DEGREES/PROGRAMS OFFERED

3 -Year BSc

3-Year BSc (Business Stream)

4 -Year BSc

4-Year BSc (Business Stream)

Honours BSc

INTRODUCTION

This degree combines the information and methodologies of Biochemistry, Cell Biology, Genetics and Microbiology with the techniques of the physical sciences to investigate living systems. It is an Interdisciplinary Program which consists primarily of courses from the Departments of Biology and Chemistry. Students in the program will gain a thorough understanding of the molecular aspects of the structure, function and metabolism of living organisms. They will also obtain experience in up-to-date laboratory techniques and procedures. This is one of the most exciting areas of science at this time and students will be kept abreast of advances in the field and their impact on humans and other life forms.

The Program offers a 90 credit hour 3-Year BSc, a 120 credit hour 4-Year BSc and a 120 credit hour Honours BSc. Graduates will be well qualified to work in university, government, and other research laboratories or in the pharmaceutical and food industries. Graduates with a 4-Year BSc or Honours BSc could also proceed to graduate studies in the Life Sciences.

Students pursuing a 3-year or 4-year BSc in Biochemistry have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. After completing the requirements of the BSc degree and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar, it will be noted on the student's transcript that they have satisfied the requirements of a BSc degree with a Business stream

This program also provides excellent preparation for students wishing to enter professional schools in the health sciences.

REQUIREMENTS FOR A 3-YEAR BSc IN BIOCHEMISTRY

ADMISSION REQUIREMENT Students must consult with a Program Advisor in planning their studies.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 45 credit hours in the Major subject as per the Required Courses list.
Double Major: Minimum 45 credit hours of required courses and credit hours in Biochemistry program and specified number of credit hours in other Major (may vary depending on Interdisciplinary courses completed as they may be able to be credited to both Majors).

Required courses:

BIOL-1115(3) Cells and Cellular Processes (or the former BIOL-1111(6))
BIOL-1116(3) Evolution, Ecology and Biodiversity (or the former BIOL-1111(6))
BIOL-2301(3) Genetics (or the former BIOL-3301(3))
BIOL-2902(3) Biology of the Prokaryotes and Viruses
BIOL-3221(3) Cell Biology
CHEM-1111(3) Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6))
CHEM-1112(3) Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))
CHEM-2202(3) Organic Chemistry I (or the former CHEM-2201(6))
CHEM-2203(3) Organic Chemistry II (or the former CHEM-2201(6))
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules (or the former CHEM-3501(6))
CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism (or the former CHEM-3501(6))
PHYS-1101(6) Foundations of Physics I OR **PHYS-1301(6)** Introduction to Physics

Minimum 3 credit hours in additional core chemistry, selected from the following:

CHEM-2102(3) Thermodynamics and Kinetics

CHEM-2103(3) Atoms, Molecules and Spectroscopy
CHEM-2302(3) Quantitative Chemical Analysis
CHEM-2401(3) Inorganic Chemistry I

Minimum 3 credit hours selected from the following courses:

PSYC-2101(3) Introduction to Data Analysis
STAT-1301 (3) Statistical Analysis I
STAT-1302 (3) Statistical Analysis II
STAT-1501(3) Elementary Biological Statistics I

9 additional credit hours from Biology and/or Biochemistry and/or Chemistry at or above the 2000 level (with the exception of CHEM-2501(3), CHEM-2601(6) and CHEM-2801(3)) to bring the total number of Biology, Biochemistry and Chemistry courses to 45 credit hours.

Recommended: MATH-1101(6) Introduction to Calculus **OR** **MATH-1103 (3)** Introduction to Calculus I **AND** **MATH-1104 (3)** Introduction to Calculus II. This course is required for the 4-Year, and Honours BSc in Biochemistry, and is a prerequisite for CHEM-2102(3), Thermodynamics and Kinetics; and CHEM-2103(3), Atoms, Molecules and Spectroscopy. Both CHEM-2102(3) and CHEM-2103(3) are options in the 3-Year, 4-Year, and Honours BSc in Biochemistry

Note: Students considering the four-year degree in Biochemistry should note that BIOL-3901(3) is a prerequisite for BIOL-4902(3); BIOL-2152(3) and BIOL-2153(3) are prerequisites for BIOL-3161(3) and BIOL-3162(3).

Note: Students should design their course selection in consultation with one of the Program Advisors.

SUGGESTED PROGRAM OF STUDY

Students must consult with Program Advisors in planning their programs.

Year 1

BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity
CHEM-1111(3) Introduction to the Chemical Properties of Matter
CHEM-1112(3) Basic Principles of Chemical Reactivity
RHET-1103(3) Academic Writing: Sciences (if required)
STAT-1501(3) Elementary Biological Statistics I
xxxx.xxxx(6) Humanities
Electives* 6 credit hours

Year 2

BIOL-2301(3) Genetics
BIOL-2902(3) Biology of the Prokaryotes and Viruses
CHEM-2202(3) Organic Chemistry I
CHEM-2203(3) Organic Chemistry II
One of:
CHEM-2102(3) Thermodynamics and Kinetics
CHEM-2103(3) Atoms, Molecules and Spectroscopy
CHEM-2302(3) Quantitative Chemical Analysis
CHEM-2401(3) Inorganic Chemistry I

One of:

PHYS-1301(6) Introduction to Physics
PHYS-1101(6) Foundations of Physics I

Electives* 3 credit hours

xxxx.xxxx(6) Humanities

Note: (If Academic Writing is not required, Physics could be done in Year 1 and Statistics plus a 3 credit hour elective in Year 2)

Year 3

BIOL-3221(3) Cell Biology
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function and Energetics of Biomolecules
CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism
Electives* 21 credit hours

***Electives:**

- 1) There is a requirement of a minimum of 45 credit hours in Biology, Biochemistry and Chemistry. This is made up of required courses plus an appropriate number of credit hours from the electives.
- 2) MATH-1101(6) Introduction to Calculus or the equivalent **MATH-1103 (3)** Introduction to Calculus I **AND** **MATH-1104 (3)** Introduction to Calculus II is **strongly recommended**. This course is required for the 4-Year and Honours B.Sc. degrees in Biochemistry and is a prerequisite for CHEM-2102(3) Thermodynamics and Kinetics; and CHEM-2103(3), Atoms, Molecules and Spectroscopy. Both CHEM-2102(3) and CHEM-2103(3) are options in the 3-Year, 4-Year, and Honours BSc in Biochemistry
- 3) It is strongly recommended that students who may consider doing a 4-Year or Honours B.Sc. in Biochemistry take at least one additional core Chemistry course in the second or third year.

REQUIREMENTS FOR THE 3-YEAR BSc IN BIOCHEMISTRY WITH A BUSINESS STREAM

Students must complete the requirements of the 3-year BSc in Biochemistry degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR A 4-YEAR BSc IN BIOCHEMISTRY

ADMISSION REQUIREMENT Students must consult with a Program Advisor in planning their studies.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 69 credit hours in the Major subject as per Required Courses list.
Double Major: Minimum 69 credit hours of required courses and credit hours in Biochemistry program and specified number of credit hours in other Major; may vary depending on Interdisciplinary courses completed as they may be able to be credited to both Majors.

Required courses:

BIOL-1115(3) Cells and Cellular Processes (or the former BIOL-1111(6))
BIOL-1116(3) Evolution, Ecology and Biodiversity (or the former BIOL-1111(6))
BIOL-2301(3) Genetics (or the former BIOL-3301(3))
BIOL-2902(3) Biology of the Prokaryotes and Viruses
BIOL-3221(3) Cell Biology
BIOL-3303(3) Molecular Genetics and Genomics (or the former BIOL-4302(3))
BIOL-4502(3) Molecular Cell Biology

Minimum 3 credit hours selected from the following physiology courses:

BIOL-3161(3) Vegetative Anatomy and Physiology of Seed Plant
BIOL-3162(3) Reproductive Anatomy and Physiology of Seed Plants
BIOL-3602(3) Comparative Animal Physiology I (or the former BIOL-3601(6))
BIOL-3603(3) Comparative Animal Physiology II (or the former BIOL-3601(6))
BIOL-4902(3) Microbial Physiology

CHEM-1111(3) Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6))
CHEM-1112(3) Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))
CHEM-2202(3) Organic Chemistry I (or the former CHEM-2201(6))
CHEM-2203(3) Organic Chemistry II (or the former CHEM-2201(6))
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules (or the former CHEM-3501(6))
CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism (or the former CHEM-3501(6))
CHEM-4502(3) Molecular Enzymology
CHEM-4506(3) Methods in Biochemistry (or the former CHEM-4505(3))
MATH-1101(6) Introduction to Calculus

OR MATH-1103 (3) Introduction to Calculus I **AND MATH-1104 (3)** Introduction to Calculus II
PHYS-1101(6) Foundations of Physics I **OR PHYS-1301(6)** Introduction to Physics

Minimum 6 credit hours in additional core chemistry, selected from the following:

CHEM-2102(3) Thermodynamics and Kinetics **OR CHEM-2103(3)** Atoms, Molecules and Spectroscopy
CHEM-2302(3) Quantitative Chemical Analysis
CHEM-2401(3) Inorganic Chemistry I

Minimum 3 credit hours selected from the following statistics courses:

PSYC-2101(3) Introduction to Data Analysis;
STAT-1301 (3) **Statistical Analysis I**
STAT-1302 (3) **Statistical Analysis II**
STAT-1501(3) Elementary Biological Statistics I

15 additional credit hours from Biology and/or Biochemistry and/or Chemistry at or above the 2000 level (with the exception of CHEM-2501(3), CHEM-2601(6) and CHEM-2801(3)) to bring the total number of Biology and Chemistry courses to 69 credit hours. Students may not count both **BIOL-4111(6)** Biology Honours Thesis and **CHEM-4701(6)** Research Projects in Chemistry towards the Biochemistry major.

Recommended: Students planning on graduate studies should seriously consider taking either **BIOL-4111(6)** Biology Honours Thesis or **CHEM-4701(6)** Research Projects in Chemistry.

Note: Students should design their course selection in consultation with one of the Program Advisors.

SUGGESTED PROGRAM OF STUDY

*Students **must** consult with Program Advisors in planning their programs.*

Year 1

BIOL-1115(3)	Cells and Cellular Processes
BIOL-1116(3)	Evolution, Ecology and Biodiversity
CHEM-1111(3)	Introduction to the Chemical Properties of Matter
CHEM-1112(3)	Basic Principles of Chemical Reactivity
MATH-1101(6)	Introduction to Calculus OR MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II
RHET-1103(3)	Academic Writing: Sciences (if required)
STAT-1501(3)	Elementary Biological Statistics I
xxxx.xxxx(6)	Humanities

Year 2

BIOL-2301(3)	Genetics
BIOL-2902(3)	Biology of the Prokaryotes and Viruses
CHEM-2202(3)	Organic Chemistry I
CHEM-2203(3)	Organic Chemistry II

One of:

CHEM-2102(3)	Thermodynamics and Kinetics
CHEM-2103(3)	Atoms, Molecules and Spectroscopy
CHEM-2302(3)	Quantitative Chemical Analysis
CHEM-2401(3)	Inorganic Chemistry I

One of:

PHYS-1301(6)	Introduction to Physics
PHYS-1101(6)	Foundations of Physics I

Electives* 3 credit hours
xxxx.xxxx(6) Humanities

Note: (If Academic Writing is not required, Physics could be done in Year 1 and Statistics plus a 3 credit hour elective in Year 2)

Year 3

BIOL-3221(3)	Cell Biology
CHEM-3502(3)	Intermediate Biochemistry I: Structure, Function and Energetics of Biomolecules
CHEM-3503(3)	Intermediate Biochemistry II: Intermediary Metabolism

One of:

CHEM-2102(3)	Thermodynamics and Kinetics
CHEM-2103(3)	Atoms, Molecules and Spectroscopy
CHEM-2302(3)	Quantitative Chemical Analysis
CHEM-2401(3)	Inorganic Chemistry I

Electives* 18 credit hours

Year 4

BIOL-3303(3)	Molecular Genetics and Genomics
BIOL-4502(3)	Molecular Cell Biology
CHEM-4502(3)	Molecular Enzymology
CHEM-4506(3)	Methods in Biochemistry

Electives* 12 credit hours

***Electives:**

- 1) There is a requirement of a minimum of 69 credit hours in Biology, Biochemistry and Chemistry. This is made up of required courses plus an appropriate number of credit hours from the electives.
- 2) Note the 3 credit hour requirement for a course in Physiology. Some physiology courses have prerequisites.
- 3) Students considering graduate study should seriously consider BIOL-4111(6) Biology Honours Thesis OR CHEM-4701(6) Research Projects in Chemistry.

REQUIREMENTS FOR THE 4-YEAR BSc IN BIOCHEMISTRY WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Biochemistry degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar

REQUIREMENTS FOR AN HONOURS BSc IN BIOCHEMISTRY

ADMISSION REQUIREMENT	Students must consult with a Program Advisor in planning their studies.
GRADUATION REQUIREMENT	120 credit hours
Graduation G.P.A. Requirement:	To graduate with a BSc Honours, students must have a minimum GPA of 3.0 in all Chemistry, Biochemistry and Biology courses (calculated on all course attempts in Biology, Biochemistry and Chemistry) and a 2.75 GPA in all non-major courses (calculated as for a 3-year degree where F's are not included and, in the case of repeated courses, only the highest grade will be used).
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 69 credit hours in the Major subject as per Required Courses list.
Double Major:	Minimum 69 credit hours of required courses and credit hours in Biochemistry program and specified number of credit hours in other Major; may vary depending on Interdisciplinary courses completed as they may be able to be credited to both Majors.

Required courses:

BIOL-1115(3)	Cells and Cellular Processes (or the former BIOL-1111(6))	CHEM-2202(3)	Organic Chemistry I (or the former CHEM-2201(6))
BIOL-1116(3)	Evolution, Ecology and Biodiversity (or the former BIOL-1111(6))	CHEM-2203(3)	Organic Chemistry II (or the former CHEM-2201(6))
BIOL-2301(3)	Genetics (or the former BIOL-3301(3))	CHEM-2302(3)	Quantitative Chemical Analysis
BIOL-2902(3)	Biology of the Prokaryotes and Viruses	CHEM-2401(3)	Inorganic Chemistry I
BIOL-3221(3)	Cell Biology	CHEM-3502(3)	Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules (or the former CHEM-3501(6))
BIOL-3303(3)	Molecular Genetics and Genomics (or the former BIOL-4302(3))	CHEM-3503(3)	Intermediate Biochemistry II: Intermediary Metabolism (or the former CHEM-3501(6))
BIOL-4111(6)	Biology Honours Thesis	CHEM-4502(3)	Molecular Enzymology
OR CHEM-4701(6)	Research Projects in Chemistry	CHEM-4506(3)	Methods in Biochemistry (or the former CHEM-4505(3))
BIOL-4502(3)	Molecular Cell Biology	MATH-1101(6)	Introduction to Calculus or the equivalent
CHEM-1111(3)	Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6))	MATH-1103 (3)	Introduction to Calculus I
CHEM-1112(3)	Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))	AND MATH-1104 (3)	Introduction to Calculus II
CHEM-2102(3)	Thermodynamics and Kinetics	PHYS-1101(6)	Foundations of Physics I
		OR PHYS-1301(6)	Introduction to Physics)

Minimum 3 credit hours selected from the following physiology courses:

BIOL-3161(3)	Vegetative Anatomy and Physiology of Seed Plants
BIOL-3162(3)	Reproductive Anatomy and Physiology of Seed Plants
BIOL-3602(3)	Comparative Animal Physiology I (or the former BIOL-3601(6))
BIOL-3603(3)	Comparative Animal Physiology II (or the former BIOL-3601(6))
BIOL-4902(3)	Microbial Physiology

Minimum 3 credit hours selected from the following statistics courses:

PSYC-2101(3)	Introduction to Data Analysis
STAT-1301 (3)	Statistical Analysis I
STAT-1302 (3)	Statistical Analysis II
STAT-1501(3)	Elementary Biological Statistics I

6 additional credit hours from Biology and/or Biochemistry and/or Chemistry at or above the 2000 level (with the exception of CHEM-2501(3), CHEM-2601(6) and CHEM-2801(3)) to bring the total number of Biology, Biochemistry and Chemistry courses to 69 credit hours. Students may not count both **BIOL-4111(6)** Biology Honours Thesis and **CHEM-4701(6)** Research Projects in Chemistry towards the Biochemistry major.

Note: Students should design their course selection in consultation with one of the Program Advisors.

SUGGESTED PROGRAM OF STUDY

Students must consult with Program Advisors in planning their programs.

Year 1

BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity
CHEM-1111(3) Introduction to the Chemical Properties of Matter
CHEM-1112(3) Basic Principles of Chemical Reactivity
MATH-1101(6) Introduction to Calculus
OR MATH-1103 (3) Introduction to Calculus I **AND** MATH-1104 (3) Introduction to Calculus II
RHET-1103(3) Academic Writing: Sciences (if required)
STAT-1501(3) Elementary Biological Statistics I
xxxx.xxxx(6) Humanities

Year 2

BIOL-2301(3) Genetics
BIOL-2902(3) Biology of the Prokaryotes and Viruses
CHEM-2202(3) Organic Chemistry I
CHEM-2203(3) Organic Chemistry II
Two of:
CHEM-2102(3) Thermodynamics and Kinetics **OR** CHEM-2103(3) Atoms, Molecules and Spectroscopy
CHEM-2302(3) Quantitative Chemical Analysis
CHEM-2401(3) Inorganic Chemistry I
One of:
PHYS-1301(6) Introduction to Physics
PHYS-1101(6) Foundations of Physics I
xxxx.xxxx(6) Humanities

Note: (If Academic Writing is not required, Physics could be done in Year 1 and Statistics plus a 3 credit hour elective in Year 2)

Year 3

BIOL-3221(3) Cell Biology
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function and Energetics of Biomolecules
CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism
Remaining one of:
CHEM-2102(3) Thermodynamics and Kinetics
CHEM-2103(3) Atoms, Molecules and Spectroscopy
CHEM-2302(3) Quantitative Chemical Analysis
CHEM-2401(3) Inorganic Chemistry I
Electives* 18 credit hours

Year 4

BIOL-3303(3) Molecular Genetics and Genomics
BIOL-4502(3) Molecular Cell Biology
CHEM-4502(3) Molecular Enzymology
CHEM-4506(3) Methods in Biochemistry
BIOL-4111(6) Biology Honours Thesis **OR** CHEM-4701(6) Research Projects in Chemistry
Electives* 12 credit hours

***Electives:**

- 1) There is a requirement of a minimum of 69 credit hours in Biology, Biochemistry and Chemistry. This is made up of required courses plus an appropriate number of credit hours from the electives.
- 2) Note the 3 credit hour requirement for a course in Physiology. Some physiology courses have prerequisites.

GENERAL INFORMATION

Prerequisites

Chemistry 40S AND either Pre-Calculus Mathematics 40S or Applied Mathematics 40S are required for registration in both **BIOL-1115(3)** Cells and Cellular Processes and **CHEM-1111(3)** Introduction to the Chemical Properties of Matter. Physics 40S AND either Pre-Calculus Mathematics 40S or Applied Mathematics 40S are required for registration in **PHYS-1101(6)** Foundations of Physics I. Physics 40S is not required for registration in **PHYS-1301(6)** Introduction to Physics.

Entrance to Program

Students normally enter the Program in Year 2 of their studies.

Biochemistry Courses Newly Available

MULT/BCHM-2119(3): Topics in Diseases and Policy [*currently offered as Summer Institute in Diseases and Policy (SIID)*]
MULT/BCHM-4119(4.5): Topics in Diseases and Policy [*currently offered as Summer Institute in Diseases and Policy (SIID)*]

Note: Course Listings and Descriptions can be found under the appropriate Departmental listings:

Biology (BIOL)	Mathematics (MATH)	Statistics (STAT)
Biochemistry (BCHM)	Physics (PHYS)	
Chemistry (CHEM)	Psychology (PSYC)	

COURSE LISTINGS

Students should consult WebAdvisor or the appropriate Timetable on the website for courses to be offered in an upcoming term. A number of senior courses are offered on a rotation basis and are given in alternate years. Students are advised to consult with the Program Coordinator in advance when planning their curriculum.

MULT/BCHM-2119(3): Topics in Diseases and Policy [*currently offered as Summer Institute in Diseases and Policy (SIID)*]

MULT/BCHM-4119(4.5): Topics in Diseases and Policy [*currently offered as Summer Institute in Diseases and Policy (SIID)*]

COURSE DESCRIPTIONS

MULT/BCHM-2119(3) Le2, S1 Topics in Diseases and Policy A team of professionals presents advances to students on biomedical, clinical, diagnostic, epidemiological, sociological, and other aspects of diseases and health conditions, including indigenous healing. The course evaluates their impacts on the well-being of the global populace. Human rights, aboriginal and indigenous issues, gender, sexuality, human potential, economics, business and development, etc, are addressed. Lectures and round table discussions engender dialogue. Principles of "Responsibility to Protect" and "Strategic Engagement" are explored in developing public policy, to entrench global health and the other noble values. Assignments are at 2000 level. This course can be repeated for credit when the topic varies.

MULT/BCHM-4119(4.5) Le3, S1.5 Topics in Diseases and Policy A team of professionals presents advances to students on biomedical, clinical, diagnostic, epidemiological, sociological, and other aspects of diseases and health conditions, including indigenous healing. The course evaluates their impacts on the well-being of the global populace. Human rights, aboriginal and indigenous issues, gender, sexuality, human potential, economics, business and development, etc, are addressed. Lectures and round table discussions engender dialogue. Principles of "Responsibility to Protect" and "Strategic Engagement" are explored in developing public policy, to entrench global health and the other noble values. Assignments are at 4000 level. This course can be repeated for credit when the topic varies.

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

BCHM-3504(6) Le3, La3 Tropical and Infectious Diseases and HIV/AIDS Students are team-taught by experts at The University of Nigeria, Nsukka. The biology and pathogenesis of eight tropical and infectious diseases (HIV/AIDS, malaria, tuberculosis, leishmaniasis, trypanosomiasis, onchocerciasis, guinea worm, leprosy) are covered. In addition, students engage in a relevant laboratory program on the various diseases; and field trips to local hospitals, health establishments, and clinics. Public awareness campaigns on various diseases (HIV/AIDS, and sickle cell especially), to dispel the attendant taboos and myths, are part of the curriculum. Students tour research and development facilities in at least three south-eastern Nigerian states.

This course is part of, and imparts extra value and meaning to the U of W-U of Nigeria Exchange Program with its associated Linkage Program on diseases. It provides the opportunity for the visiting Canadian student to obtain relevant credit for his/her training and study in these diseases, a condition of importance to potential funding agencies.

BIOLOGY (BIOL)

Updated March 13, 2013

Note: The department/program code BIOL replaces the former code 05. Students cannot hold credit in BIOL-xxxx and the former 05.xxxx having the same course number (e.g., BIOL-1115(3) and 05.1115(3)).

Chair: Associate Professor E.H. Byard; Professors Emeriti: W.S. Evans, M. Novak, R.A. Woods; Senior Scholars: G.E.E. Moodie, R.J. Staniforth; Professors: A. Civetta, L.S. Forbes, J.D. Huebner, E. Pip, J. Tardif, A.R. Westwood, M.D. Wiegand; Associate Professors: R. Anderson, J. Franck, S. Good, P.W. Holloway, A. Park, C. Willis; Assistant Professors: G. Avila- Sakar, R. Douville, S. Lingle, A. Shrivastav; Instructors: L. Anderson, B. Biernacka, C. DuGuay, M.C. Hardy, N.L. Loadman, A. McGreevy, K. Muc, D.A.H. Rittberg, N.K. Simmons; Administrative Technologist: L. Hemphill; Technical Staff: L.G. Buchanan, R. Cole, H. Copp, D. Nickel, M. Rondeau, B. VanDekerkhove.

DEGREES/PROGRAMS OFFERED

3-Year BSc

3-Year BSc (Business Stream)

4-Year BSc

4-Year BSc (Business Stream)

Honours BSc

4-Year BSc (UW/RRC)

INTRODUCTION

The study of Biology encompasses any manifestation of life, from the DNA molecule to the interactions of organisms within the various ecosystems of the earth. This broad discipline includes the subject areas of Botany, Zoology, Microbiology, Ecology, Genetics and Molecular Biology.

The Biology Department offers the 3-Year BSc, 4-Year BSc, and BSc Honours degrees. Two additional degree options available are the University of Winnipeg/Red River College 4-Year BSc in Applied Biology, and a Co-operative Program that combines a 3-Year BSc Degree in Biology with a diploma in Chemical and Biosciences Technology.

Students pursuing a 3-year or 4-year BSc in Biology have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. See the "Science with a Business Stream" section of this Course Calendar.

In addition, courses in Biology constitute the core of the Environmental Studies Forest Ecology Program, the Forest Policy and Management Program, and the Biochemistry Program.

A BSc in Biology can lead to employment in Conservation or other government departments, work as a technologist in a research or industrial laboratory, as well as a career in education. It also provides the preparation necessary for those entering several professional programs including Dentistry, Medicine, Veterinary Medicine, Pharmacy and Optometry.

Many Biology graduates also pursue post-graduate education. The necessary academic preparation for post-graduate studies is **only** provided by the 4-Year and Honours degrees in Biology. The 3-Year BSc and the Applied Biology degrees are not recognized as adequate preparation by most Graduate Studies Programs in Canada or internationally.

REQUIREMENTS FOR A 3-YEAR BSc IN BIOLOGY

ADMISSION REQUIREMENT Students should consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours

Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours in the Major subject.

Double Major: 30 credit hours in Biology and specified number of credit hours in the other department/program.

Required courses:

BIOL-1115(3) Cells and Cellular Processes, and **BIOL-1116(3)** Evolution, Ecology and Biodiversity.

Minimum 24 credit hours in other Biology courses at or above the 2000 level, not including **BIOL-4111(6)** Biology Honours Thesis.

Minimum 18 credit hours, at or above the 1000 level, selected from at least 2 (two) Departments of Chemistry, Geography (Physical Geography courses only), Mathematics, Physics, and Statistics INCLUDING at least 3 credit hours of statistics chosen from the following courses:

STAT-1301(3) Statistical Analysis I
STAT-1501(3) Elementary Biological Statistics I
GEOG-2309(3) Statistical Techniques in Environmental Analysis
PSYC-2101(3) Introduction to Data Analysis
The former STAT-1201(6) Introduction to Statistical Analysis

The following courses do not qualify:

CHEM-2801(3) Chemistry and Society
PHYS-1701(6) Astronomy
PHYS-2705(6) Cosmology: Science Fact to Science Fiction

Combined Major: Minimum 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject.

Prescribed courses:

BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity

Restrictions: Only 6 credit hours at the 1000 level will be credited towards the combined major. Any other 1000-level course would be considered as an elective.

REQUIREMENTS FOR THE 3-YEAR BSc IN BIOLOGY WITH A BUSINESS STREAM

Students must complete the requirements of the 3-year BSc in Biology degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR A 4-YEAR BSc IN BIOLOGY

ADMISSION REQUIREMENT	Students must consult with the Department Advisor in planning their studies.
GRADUATION REQUIREMENT	120 credit hours, that is, 90 credit hours meeting the requirements for the 3-Year BSc plus an additional 30 credit hours.
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 78 credit hours in the Major subject.
Double Major:	Minimum 48 credit hours in Biology and specified number of courses in other Major.
Required courses:	
BIOL-1115(3)	Cells and Cellular Processes
BIOL-1116(3)	Evolution, Ecology and Biodiversity
BIOL-2301(3)	Genetics or the former BIOL-3301(3)
BIOL-2403(3)	Principles of Ecology
	(or former BIOL-3403(3) or BIOL-3902(3) Microbial Ecology)
BIOL-3221(3)	Cell Biology

Minimum 24 credit hours, at or above the 1000 level, selected from at least 2 (two) Departments of Chemistry, Geography (Physical Geography courses only), Mathematics, Physics, and Statistics INCLUDING at least 6 credit hours of statistics chosen from the following options:

STAT-1301(3) Statistical Analysis I and STAT-1302(3) Statistical Analysis II or the former STAT-1201(6) Introduction to Statistical Analysis

- OR** STAT-1501(3) Elementary Biological Statistics I **AND ONE OF** STAT-2001(3) Elementary Biological Statistics II **or** BIOL-3492(3) Quantitative & Theoretical Biology **or** BIOL-4471(3) Ecological Methods or the former STAT-1601(3) Elementary Biological Statistics II
- OR** GEOG-2309(3) Statistical Techniques in Environmental Analysis **AND ONE OF** BIOL-3492(3) Quantitative & Theoretical Biology **or** BIOL-4471(3) Ecological Methods
- OR** PSYC-2101(3) Introduction to Data Analysis **AND ONE OF** PSYC-2102(3) Introduction to Research Methods **or** BIOL-3492(3) Quantitative & Theoretical Biology **or** BIOL-4471(3) Ecological Methods

The following courses do not qualify:

- CHEM-2801(3) Chemistry and Society
- PHYS-1701(6) Astronomy
- PHYS-2705(6) Cosmology: Science Fact to Science Fiction

Students must complete minimum 42 credit hours in Biology above the 1000 level.

Students taking the 4-Year BSc in preparation for graduate studies are strongly advised to enrol in the BSc Honours program (see below).

Combined Major: Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.

Prescribed courses:

- BIOL-1115(3)** Cells and Cellular Processes
- BIOL-1116(3)** Evolution, Ecology and Biodiversity

Restrictions: Only 6 credit hours at the 1000 level will be credited towards the combined major. Any other 1000-level course would be considered as an elective.

REQUIREMENTS FOR THE 4-YEAR BSc IN BIOLOGY WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Biology degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR AN HONOURS BSc IN BIOLOGY

- ADMISSION REQUIREMENT** Students must consult with the Department Advisor in planning their studies.
- GRADUATION REQUIREMENT** 120 credit hours
Graduation G.P.A. Requirement To graduate with a BSc Honours, students must have a minimum GPA of 3.0 on all major (Biology) courses which will be calculated on all course attempts in the major. A minimum 2.75 GPA on all non-major courses which will be calculated as for the General Degree (i.e., F's are not included and, in the case of repeated courses, only the highest grade will be used).
- RESIDENCE REQUIREMENT**
Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level
- GENERAL DEGREE REQUIREMENT**
Humanities: 12 credit hours in Humanities
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.
- HONOURS REQUIREMENT**
Single Honours: Minimum 54 credit hours in the Major subject.
Minimum 30 credit hours in upper-level (3000 and 4000) courses of which a minimum of 15 credit hours must be at the 4000 level.

Required Courses:

- BIOL-1115(3)** Cells and Cellular Processes
- BIOL-1116(3)** Evolution, Ecology and Biodiversity
- BIOL-2301(3)** Genetics or the former **BIOL-3301(3)**
- BIOL-2403(3)** Principles of Ecology (or the former **BIOL-3403(3)** or **BIOL-3902(3)** Microbial Ecology)
- BIOL-3221(3)** Cell Biology
- BIOL-4111(6)*** Biology Honours Thesis *Note: This course has admission restrictions, see course description.
- CHEM-1111(3)** Introduction to Chemical Properties of Matter

CHEM-1112(3) Basic Principles of Chemical Reactivity

6 credit hours of statistics selected from the following options:

STAT-1301(3) Statistical Analysis I and STAT-1302(3) Statistical Analysis II or the former STAT-1201(6) Introduction to Statistical Analysis

OR STAT-1501(3) Elementary Biological Statistics I **AND ONE OF** STAT-2001(3) Elementary Biological Statistics II **or** BIOL-3492(3) Quantitative & Theoretical Biology **or** BIOL-4471(3) Ecological Methods or the former STAT-1601(3) Elementary Biological Statistics II

OR GEOG-2309(3) Statistical Techniques in Environmental Analysis **AND ONE OF** BIOL-3492(3) Quantitative & Theoretical Biology **or** BIOL-4471(3) Ecological Methods

OR PSYC-2101(3) Introduction to Data Analysis **AND ONE OF** PSYC-2102(3) Introduction to Research Methods **or** BIOL-3492(3) Quantitative & Theoretical Biology **or** BIOL-4471(3) Ecological Methods

In addition to the above courses students must select a minimum of 33 credit hours from the Biology course offerings at or above the 2000 level **including**: 9 credit hours, selected from the 2000-level organismal courses [a minimum of 2 (two) kingdoms must be included]; 9 credit hours selected from the 4000-level courses in addition to **BIOL-4111(6)**.

As well, students must include in their Honours Program an **additional** minimum of 12 credit hours, at or above the 1000 level, selected from at least 2 (two) of the following departments: Chemistry, Physics, Mathematics, Statistics and Geography (Physical Geography courses only).

The following courses do not qualify:

CHEM-2801(3) Chemistry and Society, PHYS-1701(6) Astronomy, PHYS-2705(6) Cosmology: Science Fact to Science Fiction.

REQUIREMENTS FOR THE UNIVERSITY OF WINNIPEG / RED RIVER COLLEGE 4-YEAR BSc (JOINT PROGRAM IN APPLIED BIOLOGY)

INTRODUCTION

This is a joint degree program whereby students take courses at both institutions in a prescribed sequence. The program has been specifically designed to address the human resource needs of the health and environmental-based industries of Manitoba. Biotechnology is the area of emphasis in the Applied Biology program and the degree requirements are outlined below.

Students are required to complete courses at both institutions. Students will begin their program of study by completing 60 credit hours of course work at The University of Winnipeg. The next 30 credit hours are completed at Red River College and then students return to The University of Winnipeg to complete the final 30 credit hours. Students successfully completing the entire program will receive a joint degree parchment from The University of Winnipeg and Red River College. **N.B. Transfer of courses between institutions applies only to students who are officially in the joint program.**

ADMISSION REQUIREMENT

Students must meet the entrance requirements for admission to The University of Winnipeg.
Application to the program in Applied Biology must be completed through the Admissions Office of The University of Winnipeg by March 1st in order to enter the program in September.

GRADUATION REQUIREMENT

120 credit hours, that is, 90 credit hours meeting the requirements for the BSc General plus 30 additional credit hours.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

4-Year Program	
Year 1 - UW	Year 2 - UW
BIOL-1115(3) Cells and Cellular Processes	CHEM-2302(3) Quantitative Chemical Analysis
BIOL-1116(3) Evolution, Ecology and Biodiversity	CHEM-3302(3) Methods of Chemical Analysis
CHEM-1111(3) Intro to the Chemical Properties of Matter	CHEM-2202(3) Organic Chemistry I
CHEM-1112(3) Basic Principles of Chemical Reactivity	CHEM-2203(3) Organic Chemistry II
ACS-1453(3) Intro to Computers OR	BIOL-2301(3) Genetics

ACS-1903(3) Programming Fundamentals 1 STAT-1501(3) Elementary Biological Statistics I RHET-1103(3) Academic Writing: Sciences 6 credit hours Humanities 3 credit hours Electives	BIOL-2902(3) Biology of the Prokaryotes & Viruses BIOL-3901(3) Microorganisms & Disease BIOL-3221(3) Cell biology - to be completed in Winter Term 3 credit hours Humanities 3 credit hours of electives
Year 3 - RRC	Year 4 - UW
ANIM-1030(3) Applied Microbiology CBST-1026(3) Gas Chromatography CBST-3001(6) Advanced Biochemistry CBST-1021(4) Molecular Biology CBST-1028(2) Immunology CBST-1029(7) Instrumentation CBST-1031(3) Introductory Biochemistry CBST-1033(3) Nutraceuticals CBST-1041(2) Regulatory Compliance CBST-1043(3) Tissue Culture	BIOL-2403(3) Principles of Ecology BIOL-4502(3) Molecular Cell Biology BIOL-4501(3) Developmental Biology CHEM-4502(3) Molecular Enzymology 6 credit hours chosen from: BIOL-3602(3) Comparative Animal Physiology I, BIOL-3603(3) Comparative Animal Physiology II, BIOL-3161(3) Vegetative Anatomy & Physiology of Seed Plants BIOL-3162(3) Reproductive Anatomy & Physiology of Seed Plants BIOL-4902(3) Microbial Physiology NB: These courses have prerequisites that may not be included in the program. Consult a faculty advisor each year in planning your full program of study. 3 credit hours of Humanities 9 credit hours of Electives

REQUIREMENTS FOR THE 3-YEAR BSc DEGREE OF THE UW/RRC COOPERATIVE AGREEMENT IN CHEMICAL AND BIOSCIENCES TECHNOLOGY

In addition to the above program, The University of Winnipeg and Red River College (RRC) have a cooperative agreement for a program of studies designed to afford students the opportunity to obtain both the BSc General degree and the Diploma in Chemical and Biosciences Technology in four years, by allowing credit for work completed at the alternate institution.

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT Minimum 60 credit hours

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours in Humanities
Required courses:

21 credit hours in Biology at the 2000 level or above, excluding **BIOL-4111(6)** Biology Honours Thesis.
Minimum 18 credit hours selected from at least 2 of the Departments of Chemistry, Geography (Physical Geography courses only), Mathematics, Physics, and Statistics, excluding **CHEM-2801(3)** Chemistry and Society; **PHYS-1701(6)** Astronomy; **PHYS-2705(3)** Cosmology: Science Fact to Science Fiction.

COURSE LISTINGS

1000 LEVEL COURSES

Note: Students must obtain credit in both **BIOL-1115(3)** and **BIOL-1116(3)** to satisfy the requirements for a major in Biology. Students can elect to take up to 6 additional credit hours in Biology at the 1000 level; however, these additional credit hours will not count towards the requirement for a major in Biology.

Students who wish to use **BIOL-1112(6)** (Human Anatomy and Physiology) as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

BIOL-1005(6) Concepts in Science
BIOL-1102(6) Biology and Human Concerns
BIOL-1103(6) Human Biology
BIOL-1106(3) Environmental Biology
BIOL-1112(6) Human Anatomy and Physiology

BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity

2000 LEVEL COURSES

BIOL-2111(6) Comparative Chordate Zoology
BIOL-2115(3) Biology of the Invertebrates
BIOL-2152(3) Introduction to Algae, Fungi and Mosses
BIOL-2153(3) Biology of Vascular Plants
BIOL-2301(3) Genetics
BIOL-2401(1) Forest Ecology Field Skills Course
BIOL-2403(3) Principles of Ecology
BIOL-2451(3) Introduction to Animal Behaviour
BIOL-2477(3) Forest Measurement
BIOL-2902(3) Biology of the Prokaryotes and Viruses

3000 LEVEL COURSES

Note: 3000-level courses may not be offered every year. Consult the current timetable for details.

BIOL-3112(3)	Ecology and Evolution of Mammals
BIOL-3152(3)	Flora of Manitoba
BIOL-3161(3)	Vegetative Anatomy and Physiology of Seed Plants
BIOL-3162(3)	Reproductive Anatomy and Physiology of Seed Plants
BIOL-3202(3)	Histology
BIOL-3221(3)	Cell Biology
BIOL-3303(3)	Molecular Genetics and Genomics
BIOL-3410(3)	Freshwater Ecology
BIOL-3452(3)	Behavioural Ecology and the Prairie Grasslands: Field Course
BIOL-3471(3)	Forest Ecology
BIOL-3473(3)	Principles of Silviculture
BIOL-3476(3)	Forest Policy and Management
BIOL-3492(3)	Quantitative and Theoretical Biology
BIOL-3562(3)	Human Reproductive Biology
BIOL-3563(3)	Human Embryology
BIOL-3602(3)	Comparative Animal Physiology I
BIOL-3603(3)	Comparative Animal Physiology II
BIOL-3702(3)	Parasites and Disease
BIOL-3703(3)	Ectoparasitology
BIOL-3801(3)	General Entomology
BIOL-3901(3)	Microorganisms and Disease
BIOL-3902(3)	Microbial Ecology

THE FOLLOWING COURSES ARE NOT OFFERED EVERY YEAR:

BIOL-2477(3)	Forest Measurement
BIOL-3161(3)	Vegetative Anatomy and Physiology of Seed Plants
BIOL-3162(3)	Reproductive Anatomy and Physiology of Seed Plants
BIOL-3410(3)	Freshwater Ecology
BIOL-3473(3)	Principles of Silviculture
BIOL-3801(3)	General Entomology
BIOL-3902(3)	Microbial Ecology
BIOL-4112(3)	Ichthyology
BIOL-4402(3)	Current Topics in Ecology

4000 LEVEL COURSES

Note: 4000-level courses may not be offered every year. Consult the current timetable for details.

BIOL-4111(6)	Biology Honours Thesis
BIOL-4112(3)	Ichthyology
BIOL-4191(3)	Directed Studies in Biology
BIOL-4303(3)	Population Genetics
BIOL-4331(3)	Evolutionary Biology
BIOL-4402(3)	Current Topics in Ecology
BIOL-4411(3)	Water Quality and Health
BIOL-4451(2)	Forest Ecosystems Field Course
BIOL-4453(3)	Wetlands Ecosystems Field Course
BIOL-4471(3)	Ecological Methodology
BIOL-4473(3)	Dendrochronology: Principles and Applications
BIOL-4474(3)	Forest Health and Protection
BIOL-4475(3)	Urban Forestry
BIOL-4501(3)	Developmental Biology
BIOL-4502(3)	Molecular Cell Biology
BIOL-4601(3)	Ecological Animal Physiology
BIOL-4602(3)	Field Research in Animal Ecology and Energetics
BIOL-4902(3)	Microbial Physiology
BIOL-4904(3)	Virology
BIOL-4931(3)	Immunology

BIOL-4411(3)	Water Quality and Health
BIOL-4451(2)	Forest Ecosystems Field Course
BIOL-4453(3)	Wetlands Ecosystems Field Course
BIOL-4471(3)	Ecological Methodology
BIOL-4473(3)	Dendrochronology: Principles and Applications
BIOL-4474(3)	Forest Health and Protection
BIOL-4475(3)	Urban Forestry
BIOL-4601(3)	Ecological Animal Physiology
BIOL-4902(3)	Microbial Physiology
BIOL-4904(3)	Virology
BIOL-4931(3)	Immunology

COURSE DESCRIPTIONS

BIOL-1005(6) CONCEPTS IN SCIENCE (Le6) This course explores science at a qualitative level from this interdisciplinary viewpoint, with an aim to foster scientific literacy and develop critical thinking skills that are so crucial in today's society. Topics are drawn from biology, chemistry, geography, and physics, and range from the large - the universe, the earth, and ecosystems - to the small - cells, molecules, and atoms. Emphasis is placed on the unifying concepts running through such diversity, with activities and demonstrations forming an integral component. The course fulfills the Science requirement.

CROSS-LISTED: PHYS-1005(6) and MULT-1005(6)

Note: Students must obtain credit in both BIOL-1115(3) and BIOL-1116(3) to satisfy the requirements for a major in Biology. Students can elect to take up to 6 additional credit hours in Biology at the 1000 level; however, these additional credit hours will not count towards the requirement for a major in Biology. Students who wish to use BIOL-1112(6) (Human Anatomy and Physiology) as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

BIOL-1102(6) BIOLOGY AND HUMAN CONCERNS (Le3)

This course deals with the chemistry of life, cellular structure and function, genetics, natural ecosystems, impact of human populations and activities, food and water safety issues, consumer health awareness, global and Manitoban environmental concerns.

BIOL-1103(6) HUMAN BIOLOGY (Le3)

This course deals with the fundamental principles of anatomy, physiology, reproduction, and development. It deals with biological theories and practices using humans as the principal example.

BIOL-1106(3) ENVIRONMENTAL BIOLOGY (Le3) This course will provide students with an understanding of the interrelationship of living organisms with each other and with their environment. The course will examine the following: the biological basis of environmental damage caused by human population growth; the use and depletion of resources; pollution; and ways in which environmental problems can be minimized.

RESTRICTIONS: BIOL-1106(3) may be used towards fulfilling the science requirement for the BA degree. This course

cannot be used to fulfill the requirements for the Biology major.

Note: Students must obtain credit in both BIOL-1115(3) and BIOL-1116(3) to satisfy the requirements for a major in Biology. Students can elect to take up to 6 additional credit hours in Biology at the 1000 level; however, these additional credit hours will not count towards the requirement for a major in Biology. Students who wish to use BIOL-1112(6) (Human Anatomy and Physiology) as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

BIOL-1112(6) HUMAN ANATOMY AND PHYSIOLOGY (Le3, La3) This course deals with the biological study of the human organism; microscopic and gross anatomy; cellular and general physiology, and human genetics. This course is a prerequisite for the Degree program in Athletic Therapy. It is also a required component of the R.N. programs of several local hospitals. It can be taken by regular students to satisfy the Science Requirement.

Students who wish to use this course as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

Note: Students must obtain credit in both BIOL-1115(3) and BIOL-1116(3) to satisfy the requirements for a major in Biology. Students can elect to take up to 6 additional credit hours in Biology at the 1000 level; however, these additional credit hours will not count towards the requirement for a major in Biology. Students who wish to use BIOL-1112(6) (Human Anatomy and Physiology) as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

Note: Students with standing in BIOL-1112(6) are not allowed to register or receive credit for KIN-2204(3).

BIOL-1115(3) CELLS AND CELLULAR PROCESSES (Le3, La3) This course will focus on the structural components, biochemistry, and physiology of cells. Topics to be covered will include structure and function of macromolecules, introduction to metabolism, cells and cell structure, cellular respiration, photosynthesis, mitosis and meiosis, life cycles, Mendelian genetics, chromosomes and heredity, DNA structure and replication, transcription and translation, and DNA technology. The laboratory component of this course will both supplement and support the lecture material. The course is designed for students who intend to (a) major in Biology, (b) take a teaching Major or Minor in Biology in the BEd program, (c) take a BSc in Environmental Studies, or (d) take a BA in the B stream of Developmental Studies.

PREREQUISITES: Pre-Calculus Mathematics 40S or Applied Mathematics 40S and Chemistry 40S. Students who have credit in one of Chemistry 40S and Pre-Calculus Mathematics 40S, but not in both, may, under certain conditions, qualify to register in this course.

RESTRICTIONS: Students may not receive credit for this course and the former BIOL-1111(6).

Note: Cells and Cellular Processes is a prerequisite for all 2000-, 3000- and 4000-level courses in Biology. It is also a required course for entry to Agriculture, Dentistry, Human Ecology, Medical Rehabilitation, Nursing Education, Optometry, Pharmacy, and Veterinary Medicine.

Note: Students must obtain credit in both BIOL-1115(3) and BIOL-1116(3) to satisfy the requirements for a major in Biology. Students can elect to take up to 6 additional credit hours in Biology at the 1000 level; however, these additional credit hours will not count towards the requirement for a major in Biology. Students who wish to use BIOL-1112(6) (Human Anatomy and Physiology) as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

BIOL-1116(3) EVOLUTION, ECOLOGY AND BIODIVERSITY (Le3, La3) This course surveys evolution,

ecology and biodiversity. Specific topics include evolutionary mechanisms, microevolution, speciation, phylogeny, systematics, eukaryote and prokaryote diversity, behavioural, population, community and ecosystem ecology, and conservation biology. The laboratory emphasizes the diversity of living organisms.

PREREQUISITES: Pre-Calculus Mathematics 40S or Applied Mathematics 40S and Chemistry 40S. Students who have credit in one of Chemistry 40S and Pre-Calculus Mathematics 40S may, under certain conditions, qualify to register in this course.

RESTRICTIONS: Students may not receive credit for this course and the former BIOL-1111(6).

Note: Evolution, Ecology and Biodiversity is a prerequisite for all 2000, 3000, and 4000-level courses in Biology. It is also a required course for entry to Agriculture, Dentistry, Human Ecology, Medical Rehabilitation, Nursing Education, Optometry, Pharmacy, and Veterinary Medicine.

Note: Students must obtain credit in both BIOL-1115(3) and BIOL-1116(3) to satisfy the requirements for a major in Biology. Students can elect to take up to 6 additional credit hours in Biology at the 1000 level; however, these additional credit hours will not count towards the requirement for a major in Biology. Students who wish to use BIOL-1112(6) (Human Anatomy and Physiology) as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

BIOL-2111(6) COMPARATIVE CHORDATE ZOOLOGY (Le3,La3) This course deals with the functional anatomy, adaptations, and evolution of the Protochordata, Agnatha, Chondrichthyes, Osteichthyes, Amphibia, Reptilia, Aves, and Mammalia.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6).

BIOL-2115(3) BIOLOGY OF THE INVERTEBRATES (Le3, La3) This course provides a synopsis of the major taxa of invertebrates to demonstrate the richness in diversity of this dominant sub-group of animals and to illustrate their importance to the functioning of natural ecosystems. Major aspects of invertebrate biology that distinguish invertebrates from and unite them with other taxa are considered in detail. The major biological pillars - anatomy, physiology, behaviour, ecology and evolution - are emphasized from a systems approach with appropriate, comparative examples drawn from different invertebrate groups to explain how disparate animal groups solve similar survival and reproductive problems posed by a common environment.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6).

RESTRICTIONS: Students may not hold credit in this course and BOTH of the former BIOL-2113(3) and BIOL-2114(3). Students holding credit for one of the BIOL-2113(3) or BIOL-2114(3) should see the Instructor or the Department Chair for permission to register.

BIOL-2152(3) INTRODUCTION TO ALGAE, FUNGI AND MOSSES (Le3,La3) This course provides an introduction to the morphology, life histories, evolution and ecology of the algæ, fungi, mosses and their allies. Emphasis will be placed on local organisms. The laboratory work is a major component of the course.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6).

RESTRICTIONS: Students may not hold credit for BIOL-2152(3) and the former BIOL-2151(6).

BIOL-2153(3) BIOLOGY OF VASCULAR PLANTS (Le3, La3) This course explores the evolution and ecology of the nine extant groups of vascular plants. Their success in ancient and contemporary environments is examined

through consideration of structural diversity, life history, and reproductive biology. Emphasis will be placed on local flora.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6).

RESTRICTIONS: Students may not hold credit for BIOL-2153(3) and the former BIOL-2151(6).

BIOL-2301(3) GENETICS (Le3, La3) Genetics is central to the study of Biology. It deals with the processes of heredity at all levels, from molecules to populations. Genetic analysis is a logical process; the steps we use today are much the same as those employed by Mendel. Genetic phenomena are analyzed using chemical, biochemical, mathematical, and physical techniques. This course will give you an understanding of the subject as a whole and provide you with a sound basis for evaluating contemporary issues such as genetic engineering, environmental mutagens, heritable human diseases etc. Topics to be covered will include: extensions to Mendelian analysis, mapping techniques, gene mutation, the effects of changes in chromosome number and chromosome structure, the genetics of bacteria and their viruses, the nature of the gene, recombinant DNA technology, and population genetics.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3) or the former BIOL-1111(6).

RESTRICTIONS: Students may not hold credit for both BIOL-2301(3) and the former BIOL-3301(3).

BIOL-2401(1) FOREST ECOLOGY FIELD SKILLS

COURSE (La1) This intensive two-week field course is mandatory for students in the Forest Ecology program and is designed to give students field survival and basic forestry skills. Topics include bush camp construction; safe use of boats, ATV's, and chain saws; and basic bush survival skills. Students also learn how to correctly use topographical maps, compasses, air photos, GIS maps and other forestry equipment. This course is offered at Keewatin Community College at The Pas, Manitoba.

PREREQUISITES: This course is also listed as KC.RRR.1200/1 in the KCC general calendar.

CROSS-LISTED: Environmental Studies ENV-2401/1.

BIOL-2403(3) PRINCIPLES OF ECOLOGY (Le3, La3) This course is concerned with general concepts in ecology. Topics covered will include energy flow, biochemical cycles, populations, communities, and human ecology.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6).

RESTRICTIONS: Students may not hold credit for both BIOL-2403(3) and the former BIOL-3403(3) or BIOL-3402(6).

BIOL-2451(3) INTRODUCTION TO ANIMAL BEHAVIOUR

(Le3) This course provides an introduction to the evolutionary basis of animal behaviour, covering such topics as the relationship between genes and behaviour, communication, foraging, locomotion, mating behaviour, and the social interactions that contribute to the biological success of animals. Each of the major topics is outlined with respect to cost and benefits of different behaviours within particular ecological contexts and explicit examples are drawn from different animal taxa to illustrate the concepts. The course is expected to provide a foundation and context for other related disciplines in biology, especially physiology and ecology, and to illustrate how behaviours function to solve problems for animals

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3) or BIOL-1102(6)

BIOL-2477(3) FOREST MEASUREMENT (Le3) Students study the various methods, techniques, and statistical approaches to measuring tree growth and assessing forest inventory. This course examines individual tree growth and measurement (growth and yield) and the measurement of

standing and harvested trees from an inventory and volume perspective.

COREQUISITES: GEOG-2309(3), or STAT-1301(3) or STAT-1501(3), or PSYC-2101(3), or the former STAT-1201(6) or permission of the instructor.

RESTRICTIONS: This course is intended for students enrolled in the Forest Ecology Program in Environmental Studies. Students not in this program but wishing to take this course need the permission of the instructor.

BIOL-2902(3) BIOLOGY OF THE PROKARYOTES AND VIRUSES (Le3, La3) This course provides an introduction to the morphology, physiology and biochemistry of the major groups of prokaryotes and viruses. Emphasis will be placed on examining the fundamental principles and methods used in culturing, characterizing, and classifying of bacteria.

PREREQUISITES: BIOL-1115(3), BIOL-1116(3), CHEM-1111(3), and CHEM-1112(3), or the former BIOL-1111(6) and CHEM-1101(6).

RESTRICTIONS: Students may not hold credit for BIOL-2902(3) and the former BIOL-2901(6).

BIOL-3112(3) ECOLOGY AND EVOLUTION OF MAMMALS (Le3,La3)

The ecology and evolution of living mammals is examined by considering aspects of their evolutionary history, behaviour and ecology, drawing comparisons with other vertebrate groups. Lab exercises expose students to a variety of methods used in research on mammals (e.g., analysis of carnivore diet, acoustic analysis, behavioural research, radio-telemetry). Guest presentations and field trips expose students to opportunities for professional work with mammals and other vertebrates (e.g., work in wildlife biology, zoos, provincial or federal parks).

PREREQUISITES: BIOL-2403(3) and BIOL-2111(6) or BIOL-2451(3).

BIOL-3152(3) FLORA OF MANITOBA (Le3,La3) Because knowledge of the flora of Manitoba is essential to field biologists, this course includes discussion of the origin and present composition of the Manitoba flora, identification, description, collection, nomenclature, classification, and evolutionary relationships of plants. Laboratory work consists of examination of the more important plant families and habitats in the province.

PREREQUISITES: BIOL-2153(3) or the former BIOL-2151(6). Students are required to submit a mounted and identified collection of plants as part of the laboratory exercises. This collection should be initiated in the summer preceding registration in the course. Students should contact the Instructor for further details.

BIOL-3161(3) VEGETATIVE ANATOMY AND PHYSIOLOGY OF SEED PLANTS (Le3) The course involves an integrated study of the structure and function of the vegetative parts of seed plants. It will include study of the structure and organization of cells and tissues as well as the development and function of these structures.

PREREQUISITES: BIOL-2153(3) or the former BIOL-2151(6).

BIOL-3162(3) REPRODUCTIVE ANATOMY AND PHYSIOLOGY OF SEED PLANTS (Le3) The course involves a study of the reproductive structure of seed plants, including their anatomy, development, control mechanisms in the flowering and fruiting process, and the physiology of the various flower parts and fruit parts.

PREREQUISITES: BIOL-3161(3).

BIOL-3202(3) HISTOLOGY (Le3, La3) This course examines the microscopic structure of vertebrate tissues and organs, with stress on mammalian histology. Consideration is also given to structure-function relationships.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6).

RESTRICTIONS: Students may not hold credit for both BIOL-3202(3) and the former BIOL-2202(3).

BIOL-3221(3) CELL BIOLOGY (Le3, La3) This course examines the ultrastructure of cells and sub-cellular organelles. The study includes the interrelationship of structure and function, cellular biochemistry, bioenergetics, and cellular differentiation.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6). Students are advised not to attempt this course unless they have obtained a grade of at least C in CHEM-2202(3) and CHEM-2203(3) or the former CHEM-2201(6).

BIOL-3303(3) MOLECULAR GENETICS AND GENOMICS (Le3, La3) This course deals with basic genetic techniques and phenomena at the molecular level. Topics covered include transcription, translation and the genetic code, regulation of gene expression in prokaryotes and eukaryotes, recombinant DNA technology and its applications, genomics, manipulation of sequence database information and sequence data analysis.

PREREQUISITES: BIOL-2301(3)

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-4302(3).

BIOL-3410(3) FRESHWATER ECOLOGY (Le3, La3) This course examines the environmental and biotic processes which operate in aquatic environments. Special emphasis is placed on Manitoba ecosystems. Topics covered include the following: water quality, physical and chemical processes operating in freshwaters, and an overview of freshwater organisms that constitute aquatic communities.

PREREQUISITES: BIOL-2403(3) or the former BIOL-3403(3) or BIOL-3402(6).

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-4410(3).

BIOL-3452(3) BEHAVIOURAL ECOLOGY AND THE PRAIRIE GRASSLANDS: FIELD COURSE (Le3, V)

This course focuses on the ecology, evolution and behaviour of animals living in grassland habitats. Students develop basic field skills and familiarity with the scientific process while addressing questions about predation, social behaviour, parental care and communication in species as diverse as rattlesnakes, bison, nesting hawks and mule deer. The course takes place at three significant prairie sites: the tall grass prairie of Manitoba, Grasslands National Park in Saskatchewan, and the McIntyre Ranch in Alberta. Students need to be prepared to live and work outside in a variety of weather conditions.

PREREQUISITES: BIOL-2403/3 OR BIOL-2451/3 AND 1 OF EITHER STAT-1201/6, STAT-1501/3, GEOG-2309/3 OR PSYC-2101/3

BIOL-3471(3) FOREST ECOLOGY (Le3) This course provides an integrative, interdisciplinary discussion on structure and function of forest ecosystems, with a special reference to boreal forests in North America. Topics to be covered will include the following: the concept of ecosystem studies; global and local variations in forest type; forest ecosystem classification; processes controlling ecosystem structure and function; disturbances, succession, and ecosystem function of boreal forests; and computer modelling in ecosystem studies.

PREREQUISITES: BIOL-2403(3) or the former BIOL-3403(3) or **GEOG-2213(3) (Introductory Soil Science) and GEOG-2214(3) (Soil-Vegetation Systems)**..

BIOL-3473(3) PRINCIPLES OF SILVICULTURE (Le3) This course integrates biological principles of tree growth and

regeneration (silvics) with the application of this knowledge to forest management (silviculture). Silvics is defined as biological life histories and environmental requirement of forest trees. Silviculture is the theory and practice of influencing forest regeneration, species composition, and growth to accomplish a variety of resource management objectives. Silvicultural practices include coverage of even-aged and uneven-aged management, and ecological reforestation principles and techniques.

PREREQUISITES: BIOL-2153(3) and BIOL-2403(3).

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-3472(3).

BIOL-3476(3) FOREST POLICY AND MANAGEMENT

(Le3) This course focuses on the principles and practices of sustainable forestry in Canada. It outlines the evolution of the Canadian forest industry, examining past and current forestry policy, practices, and legal frameworks. Topics include harvesting, reforestation, forest protection, private woodlot forestry, and speciality products, as well as the acts, regulations, codes, and guidelines which govern these aspects of forestry. The course examines the place of Canadian forestry within the larger context of multi-resource management, multi-stakeholder processes, and the global market. The environmental impact of forest management activities on the landscape is examined in light of ever changing environmental codes and restrictions and the need to produce "green products."

RESTRICTIONS: Students may not hold credit for BIOL-3476(3) and the former BIOL-4476(3).

CROSS-LISTED: Environmental Studies ENV-3476(3).

BIOL-3492(3) QUANTITATIVE AND THEORETICAL

BIOLOGY (Le3) This course explores quantitative and theoretical biology. Topics include the relationship of theory to data, hypothesis testing, spreadsheet modelling, bootstrapping and other resampling methods.

PREREQUISITES: BIOL-2301(3) and BIOL-2403(3)

BIOL-3562(3) HUMAN REPRODUCTIVE BIOLOGY

(Le3,T1) This course presents a comprehensive overview of the biology of human sex and reproduction including the anatomy and physiology of the male and female reproductive systems, sexual response, fertilization, contraception, and sexually transmitted diseases. It provides the biological background required for critical evaluation of many current issues surrounding human reproduction and sexuality. Tutorial times will be used for the presentation of additional course information and supplemental activities such as class presentations, peer-editing exercises, videos and group projects.

PREREQUISITES: One of BIOL-1102(6), BIOL-1103(6), BIOL-1112(6) or BIOL-1115(3) and BIOL-1116(3).

RESTRICTIONS: Students may not hold credit in this course and the former BIOL-3561(6).

BIOL-3563(3) HUMAN EMBRYOLOGY (Le3)

This course provides a comprehensive overview of the structural, functional and developmental anatomy of the human body. Consideration is given to the important events of the first three weeks of development. The normal development of several organ systems including the urogenital, cardiovascular, respiratory and digestive is examined as well as examples of abnormalities that may arise.

PREREQUISITES: One of BIOL-1102(6), BIOL-1103(6), BIOL-1112(6) or BIOL-1115(3) and BIOL-1116(3).

RESTRICTIONS: Students may not hold credit in this course and the former BIOL-3561(6).

BIOL-3602(3) COMPARATIVE ANIMAL PHYSIOLOGY I

(Le3, La3) This course introduces the concepts of physiological homeostasis, physiological control systems and

excitable cells. Principal topics are nerve physiology, muscle physiology and cardiovascular physiology.
PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6). It is strongly recommended that students successfully obtain standing in CHEM-1111(3) and CHEM-1112(3), or the former CHEM-1101(6), before attempting this course.

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-3601(6).

BIOL-3603(3) COMPARATIVE ANIMAL PHYSIOLOGY II (Le3, La3) This course continues the study of animal physiology. Principal topics are respiratory physiology, whole animal metabolism, osmoregulation, digestion and endocrine physiology.

PREREQUISITES: BIOL-3602(3) or permission of the instructor.

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-3601(6).

BIOL-3702(3) PARASITES AND DISEASE (Le3,La3) This course provides a synopsis of the major taxa of parasites that inhabit tissues and organs of metazoan animals and a detailed consideration of the biology of organisms that reside within other organisms as parasites. Some of the course deals with clinical manifestations and treatment of endoparasitic infections as well as the use of knowledge about life cycles for the design of effective programs of control and intervention. The synopsis of major taxa is structured to emphasize diversity of endoparasitic organisms and to demonstrate their importance as limiting, biological factors for their hosts.

PREREQUISITES: BIOL-2115(3) or the former BIOL-2113(3), or permission of the instructor.

RESTRICTIONS: Students may not hold credit in this course and the former BIOL-3701(6).

BIOL-3703(3) ECTOPARASITOLOGY (Le3,La3) This course provides a synopsis of the major taxa of parasites and blood-feeding arthropods that live on other metazoan animals and a detailed consideration of the ways in which these organisms act directly as parasites and as vectors of other parasitic organisms. Emphasis is placed on ecological associations between host organisms and parasites as a means of understanding the epidemiology of vector-borne, parasitic diseases. Most of the course deals with the biology of parasitic arthropods as well as the use of biological information about life cycles to consider effective means of control and intervention. The synopsis of major taxa is structured to emphasize diversity of ectoparasitic organisms as a means of demonstrating the significant evolutionary success of the blood-feeding habit.

PREREQUISITES: BIOL-2115(3) or the former BIOL-2114(3), or permission of the instructor.

RESTRICTIONS: Students may not hold credit in this course and the former BIOL-3701(6).

BIOL-3801(3) GENERAL ENTOMOLOGY (Le3, La3) The course deals with the life history, structural and behavioral adaptations, the economic effects of insects, and insect control. The laboratory period will include the collection, preservation, dissection and identification of insects.

PREREQUISITES: BIOL-2115(3) or the former BIOL-2114(3).

Note: Students are required to submit a mounted and identified collection of insects as part of the laboratory exercises. This collection should be initiated in the summer preceding registration in the course. Students should contact the instructor for further details.

BIOL-3901(3) MICROORGANISMS AND DISEASE (Le3, La3) The course will include a study of medically important microorganisms with emphasis on viruses and bacteria, including chlamydiae, mycoplasmas, and rickettsias. Topics

to be covered will include mechanisms of microbial pathogenicity and virulence; the etiology and epidemiology of important human pathogens; public health and nosocomial infections; antimicrobial agents and chemotherapy; and basic principles of host defence mechanisms. Attention will also be paid to diseases of important animal species and to plants of economic importance.

PREREQUISITES: BIOL-2902(3) and CHEM-1111(3) and CHEM-1112(3), or the former CHEM-1101(6).

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-2901(6).

BIOL-3902(3) MICROBIAL ECOLOGY (Le3) This course examines the ecologically important activities of microorganisms, including interactions between microorganisms, plants, and animals; the cycling of carbon, nitrogen, sulphur, and phosphorus through terrestrial and aquatic ecosystems; bio-deterioration; soil, waste, and water management; resource recovery; fuel and biomass production; biological pest control; microbial transformation of man-made organic chemicals; and bio-remediation.

PREREQUISITES: BIOL-2902(3), or the former BIOL-2901(6).

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-4901(3).

BIOL-4111(6) BIOLOGY HONOURS THESIS (P) This course is intended for but not restricted to students in the Honours program. Students undertake a research project in an area of biological interest. Presentation of the results verbally and in thesis form to the Biology Department is an integral part of the course. Each project will be supervised by a faculty member.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6); 24 credit hours offered by the Department at or above the 2000 level; at least 3 credit hours in Statistics or Data Analysis, a minimum GPA of 3.0 in Biology and a minimum overall GPA of 2.75, or permission of the Department Chair.

Note: Enrolment in this course is limited by the availability of faculty to serve as supervisors. Students must obtain written permission from the Department Chair to register for the course. A written agreement between the student and the faculty supervisor is required before permission will be granted.

BIOL-4112(3) ICHTHYOLOGY (Le3, La3) This course is concerned with the morphology, ecology, evolution, and distribution of fishes. Human interaction with fishes and conservation and management of fish stocks are also discussed. Fishes and the management of fish stocks in Manitoba and Canada are emphasized.

PREREQUISITES: BIOL-2111(6).

BIOL-4191(3) DIRECTED STUDIES IN BIOLOGY (D) This course allows students to undertake research in their areas of interest. The research may take the form of a literature review, it may be experimental in nature, or it may involve analysis of existing data. Evaluation is based on an extensive written report summarizing the student's findings. Permission to enrol is dependent on the availability of an instructor in the student's field of interest. A student may receive credit for this course only once.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3) and four other Biology courses or, if not a major, BIOL-1115(3), BIOL-1116(3) and a degree in another discipline or permission of instructor.

BIOL-4303(3) POPULATION GENETICS (Le3) This course covers the basics of detection and quantification of genetic variation in natural populations, and how genetic variation is affected by mutation, recombination, migration, mating patterns and changes in population size. Students are

introduced to the theories of the maintenance of genetic variation by exploring natural selection *versus* genetic drift and how these forces affect the genetic variability of populations. Examples of the application of population genetics principles in the areas of conservation biology, evolution and human health are illustrated. The final part of the course is dedicated to the application of population genetics principles in the analysis of actual DNA and protein data.

PREREQUISITES: BIOL-2301(3) or the former BIOL-3301(3)

BIOL-4331(3) EVOLUTIONARY BIOLOGY (Le3) Biologists use Darwin's framework to study the living world. This course will examine the development of evolutionary thought; evolutionary genetics; natural, sexual, and developmental selection; the levels of selection; speciation and extinction. Topics of direct relevance to humans will be emphasized.

PREREQUISITES: BIOL-2301(3) or the former BIOL-3301(3), BIOL-2403(3) or the former BIOL-3403(3) and at least three credits chosen from BIOL-2111(6), BIOL-2115(3), BIOL-2152(3), BIOL-2153(3) or the former BIOL-2113(3), the former BIOL-2114(3).

RESTRICTIONS: Students may not hold credit for this course and the former BIOL-3331(3).

BIOL-4402(3) CURRENT TOPICS IN ECOLOGY (Le3) This course involves students in current issues and topics in ecology. The Instructor supplies a range of potential topics from which students can select ones of interest. Students may also offer their own topics for presentation. Students present a review of their topic to the class in the form of a seminar. Success in the course depends on substantial class participation and will involve peer assessment and review.

PREREQUISITES: BIOL-2403(3) and any one of: BIOL-3471(3), BIOL-3902(3); or permission of the instructor.

BIOL-4411(3) WATER QUALITY AND HEALTH (Le3, La3)

This course deals with inorganic, organic, and biotic components of water which affect water quality. The impacts on aquatic ecosystems and on recreational, industrial, and agricultural uses are studied. The greatest emphasis is on drinking water quality as it relates to public health and water-borne illness.

PREREQUISITES: BIOL-1115(3), BIOL-1116(3), and both of CHEM-1111(3) and CHEM-1112(3) or the former CHEM-1101(6). Recommended: CHEM-2202(3) and CHEM-2203(3) or the former CHEM-2201(6).

BIOL-4451(2) FOREST ECOSYSTEMS FIELD COURSE

(P, V) This is an intensive three-week field course designed to give students a comprehensive overview of forest ecology field skills. Topics include field and laboratory exercises in boreal and urban forestry; tree and plant identification; classification of forest types; forest management and environmental impact; soil classification; forest succession; dendrochronology; forest measurement; forest protection and silviculture.

PREREQUISITES: BIOL-2153(3) and BIOL-2403(3).

RESTRICTIONS: This course is intended for students enrolled in the Forest Ecology Program in Environmental Studies. Students not in this program but wishing to take this course need the permission of the instructor.

BIOL-4453(3) WETLANDS ECOSYSTEMS FIELD

COURSE (NT) This course deals with the methods for studying the ecology of lakes, rivers and streams, and marshes: three major freshwater habitats found in Manitoba. Students will examine the methods for sampling and analyzing data on the chemical, physical, and biological components of these habitats. The adaptations of animals and plants to freshwater ecosystems will be emphasized.

PREREQUISITES: BIOL-2403(3), or the former BIOL-3403(3) or BIOL-3402(6).

BIOL-4471(3) ECOLOGICAL METHODOLOGY (Le3, La3)

This course is concerned with ecological methodology as well as the use of computers to analyze, interpret, and present ecological data. Topics to be covered will include the following: the nature and properties of measurements; graphic presentation, statistical analysis, and ecological interpretation of data; sampling and experimental design; and selected methodologies in studying forest ecosystems.

PREREQUISITES: One of GEOG-2203(6), BIOL-2403(3) or BIOL-3471(3) and one of STAT-1301(3), STAT-1501(3), GEOG-2309(3), GEOG-2310(3) or BIOL-3492(3) or permission of instructor.

BIOL-4473(3) DENDROCHRONOLOGY: PRINCIPLES AND APPLICATIONS (Le3, La3)

This course constitutes an introduction to dendrochronology; the science of tree-ring analysis. Dendrochronology is particularly appropriate for students with interests in the chronological and dynamical aspects of tree growth, forest ecology, climatology, hydrology, geomorphology, and anthropology/archaeology. The history, principles and applications of dendrochronology are reviewed in this course. Problems related to the sampling and dating of tree-ring series; the development of chronological series, the analysis and interpretation of dendrochronological data are also emphasized. This course includes a compulsory field trip during the second or third weekend of the course.

PREREQUISITES: BIOL-2403(3) or the former BIOL-3403(3) and BIOL-2153(3) or permission of the instructor.

BIOL-4474(3) FOREST HEALTH AND PROTECTION (Le3)

This course focuses on the effect of fire, insect, disease, and abiotic disturbances on the sustainable management of commercial forests in Canada. The course covers historic practices, current activities, and future trends in protecting commercial forests and ensuring the integrity of forest ecosystems. Emphasis is placed upon the impact of forest health activities on the general ecological components of forest systems and the relationship between forest succession. The evolution of Canadian forestry protection policy and industry regulation is also examined.

PREREQUISITES: BIOL-2115(3) or the former BIOL-2114(3) and BIOL-2153(3) OR permission of instructor.

BIOL-4475(3) URBAN FORESTRY (Le3, LaV)

This course focuses on the biology, ecology, and management of urban forests. Students examine the impact of both natural and human-induced stresses on the urban forest, including forest protection and enhancement in relation to other competing interests in the urban environment. The evolution of urban forest planning and management are discussed and the role of Canadian policies and regulations in influencing urban forest tree species and integration of urban forests into our communities are studied.

PREREQUISITES: BIOL-2115(3) or the former BIOL-2114(3) and BIOL-2153(3) OR permission of instructor.

BIOL-4501(3) DEVELOPMENTAL BIOLOGY (Le3, La3)

This course examines the molecular basis of, and the regulatory mechanisms involved in, cellular differentiation, the interaction of cells during the formation of tissues, growth, and aging in animal development.

PREREQUISITES: BIOL-3221(3). Recommended: BIOL-2301(3) (or the former BIOL-3301(3)), and CHEM-3502(3) and CHEM-3503(3) (or the former CHEM-3501(6)).

BIOL-4502(3) MOLECULAR CELL BIOLOGY (Le3)

Topics to be covered will include the following: cell signalling; the cytoskeleton, extracellular matrices and cell adhesion; the cell division cycle; apoptosis and cell death; the immune

system and the genetic basis of cancer. Instruction will involve lectures and discussion; students will be required to write a paper and present a seminar based on a review of the primary research literature.

PREREQUISITES: BIOL-2301(3) or the former BIOL-3301(3), BIOL-3221(3) and CHEM-3502(3) and CHEM-3503(3) or the former CHEM-3501(6).

COREQUISITES: BIOL-3303(3) or the former BIOL-3302(3) or BIOL-4302(3).

BIOL-4601(3) ECOLOGICAL ANIMAL PHYSIOLOGY (Le3)

This course considers physiological adaptations of animals, primarily non-mammalian vertebrates and invertebrates, to their environments. It examines short term adaptations to specific environmental stressors, and physiological strategies associated with long term adaptation to particular ecological niches.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3), or the former CHEM-1101(6) and any one of BIOL-2111(6), BIOL-3602(3) and BIOL-3603(3) or the former BIOL-3601(6) or CHEM-3502(3) and CHEM-3503(3) or the former CHEM-3501(6).

BIOL-4602(3) FIELD RESEARCH IN ANIMAL ECOLOGY AND ENERGETICS (P,V)

This course covers field and laboratory methods for studying ecological energetics and evolutionary physiology of free-ranging wild animals. During a field camp before the start of fall term, students learn techniques for studying metabolism and energy balance in animals including small mammal trapping/identification, temperature radiotelemetry, and open-circuit respirometry. The course focuses on small mammals, but there are opportunities to study songbirds, and some non-endothermic vertebrates and invertebrates. Each student conducts an independent research project during the field camp, and presents this work in a seminar and term paper during fall term.

PREREQUISITES: BIOL-2403 (3), BIOL-2451 (3), BIOL-3602 (3), BIOL-3603 (3), or BIOL-3492 (3). A minimum of 15 credit hours in Biology at or above the 2000 level.

BIOL-4902(3) MICROBIAL PHYSIOLOGY (Le3) This course examines the principal reactions of the energy and biosynthetic metabolism of bacteria using *Escherichia coli* as the model system. Additional topics to be discussed include metabolic diversity and catabolic activities of aerobic heterotrophs; regulation of bacterial metabolism; bacterial fermentations; chemolithotrophic and phototrophic metabolism, and fixation of molecular nitrogen.

PREREQUISITES: BIOL-2902(3) and BIOL-3901(3), or the former BIOL-2901(6), CHEM-3502(3) and CHEM-3503(3) or the former CHEM-3501(6) or permission of instructor.

BIOL-4904(3) VIROLOGY (Le3) This course examines variations in viral architecture; molecular processes that characterise the common steps of the reproductive cycles of viruses within a host cell; host cell responses to viral infections; and viral evolution. It includes a survey of adaptive strategies viruses use to meet specific situations, with illustrations taken from bacterial, animal, and plant viruses.

PREREQUISITES: BIOL-2902(3) and BIOL-2301(3).

COREQUISITE: BIOL-3221(3).

BIOL-4931(3) IMMUNOLOGY (Le3) Immunology is the study of the defence system which the body has evolved to protect itself from external threats such as viruses and internal threats such as tumour cells. Topics to be covered include non-specific immunity, acquired immunity, the structure, function and genetics of antibodies, antigen-antibody interactions, cells and organs of the immune system, autoimmunity, MHC and T-cell receptors, cytokine signalling and applications of immunology.

PREREQUISITES: BIOL-2301(3), BIOL-3221(3), and BIOL-3901(3).

BIOPSYCHOLOGY (BPSY)

March 13, 2013

Note: The department/program code BPSY replaces the former code 07. Students cannot hold credit in BPSY-xxxx and the former 07.xxxx having the same course number.

Coordinator: B. Bolster; **Program Advisors:** H. Aujla, E. Byard, S. Forbes, P. Pearson, S. Smith, M. Wiegand, D. Williams

DEGREES/PROGRAMS OFFERED

3-Year BSc

3-Year BSc (Business Stream)

4-Year BSc

4-Year BSc (Business Stream)

Honours BSc

INTRODUCTION

Biopsychology is the branch of neuroscience concerned with how the brain and the nervous system control behaviour. Biopsychology is a rapidly developing research area that includes all aspects of the structure and function of the nervous systems and involves a variety of experimental strategies aimed at improving our understanding of nervous systems (biology), and their relationship to behaviour (psychology). Firmly grounded in the natural sciences, biopsychology includes molecular, biochemical, anatomical, physiological, behavioural, and developmental approaches. In addition to improving our understanding of the relationship between the nervous system and behaviour, knowledge obtained from research in biopsychology is increasingly being applied to a variety of health problems including stroke, Alzheimer's disease, Parkinsonism, and a wide variety of drug- or injury-induced behavioural and cognitive disorders. This program prepares students for further study in neuroscience, psychology, medicine, speech pathology, communication disorders and related fields.

Students pursuing a 3-year or 4-year BSc in Biopsychology have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. See the "Science with a Business Stream" section of this Course Calendar.

NOTE ON DEPARTMENT COURSE ADMISSION REQUIREMENTS

Biopsychology students are expected to meet course requirements specified by the department offering the courses. Please note that Psychology and Biology courses may have somewhat different requirements for registration in certain courses. For example, Biology requires no special permission to enroll in 4000-level courses in Biology, whereas Psychology requires academic advising and approval from the Honours Committee to register for 4000-level courses. Psychology approval normally requires (1) a minimum 3.0 GPA (B) in Psychology courses based on all attempts (including course repeats and failures), and (2) a minimum 2.5 GPA (C+) in all Non-Psychology courses calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade is used). Exemptions to these requirements may be granted for admission to specific courses.

REQUIREMENTS FOR A 3-YEAR BSc IN BIOPSYCHOLOGY

ADMISSION REQUIREMENT

Students are required to consult with a Program Advisor or Coordinator in planning their course of study.

Both Chemistry 40S and either Pre-Calculus or Applied Mathematics 40S are required for students wishing to pursue this BSc degree.

Entry into the program after completing a minimum of 30 credit hours.

A grade of C or better in **PSYC-1000(6)**.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours

Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 18 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing

Distribution: Minimum five (5) different subjects

MAJOR REQUIREMENT

Single Major: Minimum 54 credit hours in the subject as per the Required Course list

Double Major: Minimum 54 hours in Biopsychology and specified number of credit hours in other Major may vary depending on interdisciplinary courses completed as they may be able to be credited to both Majors).

Required courses:

PSYC-1000(6)	Introductory Psychology, minimum 2.0 GPA (C)
CHEM-1111(3)	Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6))
CHEM-1112(3)	Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))

BIOL-1115(3)	Cells and Cellular Processes (or the former BIOL-1111(6))
BIOL-1116(3)	Evolution, Ecology and Biodiversity (or the former BIOL-1111(6))
PSYC-2102(3)	Introduction to Research Methods
PSYC-2900(3)	Physiological Psychology I
CHEM-2202(3)	Organic Chemistry I (or the former CHEM-2201(6))
CHEM-2203(3)	Organic Chemistry II (or the former CHEM-2201(6))
BIOL-2301(3)	Genetics (or the former BIOL-3301(3))
BIOL-3221(3)	Cell Biology

Minimum of 3 credit hours to be selected from:

PSYC-2101(3)	Introduction to Data Analysis
STAT-1501(3)	Elementary Biological Statistics I
STAT-1201(6)	Introduction to Statistical Analysis

Minimum of 3 credit hours to be selected from:

PSYC-2600(3)	Attention and Memory
PSYC-2610(3)	Perception I
PSYC-2620(3)	Psycholinguistics
PSYC-2800(3)	Fundamentals of Animal Learning
PSYC-2920(3)	Drugs & Behaviour

Minimum of 6 credit hours to be selected from:

BIOL-3602(3)	Comparative Animal Physiology I (or the former BIOL-3601(6))
BIOL-3603(3)	Comparative Animal Physiology II (or the former BIOL-3601(6))
BIOL-2111(6)	Comparative Chordate Zoology

6 additional credit hours at or above 3000 level from Natural Science courses (**PSYC-x6xx**, **PSYC-x8xx** or **PSYC-x9xx(3)**) in Psychology

Advisory: Students are advised that a 3-year BSc is not normally sufficient for admission to graduate studies. Students normally enrol in **PSYC-2101(3)** and **PSYC-2102(3)** in their 2nd year. Students with a 3.0 GPA (B) in Psychology courses are eligible to take 4000-level courses, but must receive permission from the Psychology Department's Honours Committee before registering for 4000-level courses. No special permission is required to enroll in 4000-level courses in Biology.

REQUIREMENTS FOR THE 3-YEAR BSc IN BIOPSYCHOLOGY WITH A BUSINESS STREAM

Students must complete the requirements of the 3-year BSc in Biopsychology degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR A 4-YEAR BSc IN BIOPSYCHOLOGY

This allows program students with interests in the sciences to expand their knowledge of the subject area. Students are required to consult with a Departmental Honours Advisor at the time they enrol in 4000-level courses in the Psychology Department. Appointments for advising are arranged through the departmental secretary at 786-9130. Enrolling in 4000-level courses in the Biology department does not require a consultation with a faculty member.

ADMISSION REQUIREMENT

Students are required to consult with a Program Advisor or Coordinator in planning their course of study.

Both Chemistry 40S and either Pre-Calculus or Applied Mathematics 40S are required for students wishing to pursue a 4-year BSc. Entry into the program after completing a minimum of 30 credit hours.

GRADUATION REQUIREMENT 120 credit hours

GRADUATION GPA REQUIREMENT

Graduation minimum GPA is 2.5 (C+) in Major subject courses (Psychology and Biology) and 2.50 (C+) in Major subject courses.

Minimum 2.5 GPA (C+) based on all attempts (including course repeats and failures) in Psychology and Biology.

Minimum 2.5 GPA (C+) in all non-major subject courses calculated as for the general degree (i.e. F's are not included, and in the case of repeated courses, only the highest grade will be used).

RESIDENCE REQUIREMENT

Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities:	12 credit hours in Humanities
Science:	18 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing
Distribution:	Minimum five (5) different subjects

MAJOR REQUIREMENT

Single Major:	Minimum 69 credit hours in the subject as per the Required Course list
---------------	--

Double Major: Minimum 69 credit hours in Biopsychology and specified number of credit hours in other Major (may vary depending on interdisciplinary courses completed as they may be able to be credited to both Majors).

Required courses:

PSYC-1000(6) Introductory Psychology
CHEM-1111(3) Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6))
CHEM-1112(3) Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))
BIOL-1115(3) Cells and Cellular Processes (or the former BIOL-1111(6))
BIOL-1116(3) Evolution, Ecology and Biodiversity (or the former BIOL-1111(6))
PSYC-2102(3) Introduction to Research Methods
PSYC-2900(3) Physiological Psychology I
CHEM-2202(3) Organic Chemistry I (or the former CHEM-2201(6))
CHEM-2203(3) Organic Chemistry II (or the former CHEM-2201(6))
BIOL-2301(3) Genetics (or the former BIOL-3301(3))
BIOL-3221(3) Cell Biology
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules
CHEM-3503(3) Intermediate Biochemistry II: Intermediary metabolism

Minimum of 3 credit hours to be selected from:

PSYC-2101(3) Introduction to Data Analysis
STAT-1501(3) Elementary Biological Statistics I
STAT-1301(3) Statistical Analysis I

Minimum of 3 credit hours to be selected from:

PSYC-2600(3) Attention and Memory
PSYC-2610(3) Perception I
PSYC-2800(3) Fundamentals of Animal Learning
PSYC-2620(3) Psycholinguistics
PSYC-2920(3) Drugs & Behaviour

Minimum of 6 credit hours to be selected from:

BIOL-3602(3) Comparative Animal Physiology I (or the former BIOL-3601(6))
BIOL-3603(3) Comparative Animal Physiology II (or the former BIOL-3601(6))
BIOL-2111(6) Comparative Chordate Zoology

Minimum of 6 credit hours to be selected from:

BIOL-3492(3) Quantitative and Theoretical Biology
BIOL-3202(3) Histology
BIOL-3303(3) Molecular Genetics and Genomics (or the former BIOL-4302(3))
BIOL-4502(3) Molecular Cell Biology
BIOL-4501(3) Developmental Biology

Minimum of 3 credit hours at the 3000 level from Natural Science Courses in Psychology (**PSYC-36xx**, **PSYC-38xx** or **PSYC-39xx**).

Minimum of 6 credit hours in Natural Science Courses in Psychology at 4000 level (**PSYC-46xx**, **PSYC-48xx** or **PSYC-49xx(3)** courses).

Advisory: Students are advised that a 4-year BSc is not normally sufficient for admission to graduate studies. Students normally enrol in **PSYC-2101(3)** and **PSYC-2102(3)** in their 2nd year.

REQUIREMENTS FOR THE 4-YEAR BSc IN BIOPSYCHOLOGY WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Biopsychology degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR AN HONOURS BSc IN BIOPSYCHOLOGY

This program allows students with demonstrated ability an opportunity to deal more extensively and intensively with the subject matter. Students are required to consult with a Departmental Honours Advisor at the time they enrol in 4000-level courses in the Psychology Department. Appointments for advising are arranged through the departmental secretary at 786-9130. Enrolling in 4000-level courses in the Biology department does not require a consultation with a faculty member.

ADMISSION REQUIREMENT

Students are required to consult with a Program Advisor or Coordinator in planning their course of study.

Both Chemistry 40S and either Pre-Calculus or Applied Mathematics 40S are required for students wishing to pursue a BSc (Hons).

Entry into the program after completing a minimum of 30 credit hours.

GRADUATION REQUIREMENT 120 credit hours

GRADUATION GPA REQUIREMENT Graduation minimum GPA is 3.0 (B) in Honours subject courses (Psychology and Biology) and 2.75 in Non-Honours subject courses.

Minimum 3.0 GPA (B) based on all attempts (including course repeats and failures) in Psychology and Biology
Minimum 2.75 GPA (C+) in all Non-Honours Subject courses calculated as for the general degree (i.e. F's are not included, and in the case of repeated courses, only the highest grade will be used)

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 18 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing
Distribution: Minimum five (5) different subjects

HONOURS REQUIREMENT

Single Major: Minimum 87 credit hours in the subject as per the Required Course list
Double Major: Minimum 87 credit hours in Biopsychology and specified number of credit hours in other Major (may vary depending on interdisciplinary courses completed as they may be able to be credited to both Majors).

Required courses:

PSYC-1000(6) Introductory Psychology
CHEM-1111(3) Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6))
CHEM-1112(3) Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))
BIOL-1115(3) Cells and Cellular Processes (or the former BIOL-1111(6))
BIOL-1116(3) Evolution, Ecology and Biodiversity (or the former BIOL-1111(6))
PSYC-2102(3) Introduction to Research Methods
PSYC-2900(3) Physiological Psychology I
CHEM-2202(3) Organic Chemistry I (or the former CHEM-2201(6))
CHEM-2203(3) Organic Chemistry II (or the former CHEM-2201(6))
BIOL-2301(3) Genetics (or the former BIOL-3301(3))
BIOL-3221(3) Cell Biology
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules
CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism
PSYC-4100(6) Intermediate Research Design and Data Analysis

Minimum of 3 credit hours to be selected from:

PSYC-2101(3) Introduction to Data Analysis
STAT-1501(3) Elementary Biological Statistics I
STAT-1301(3) Statistical Analysis I

Minimum of 3 credit hours to be selected from:

PSYC-2600(3) Attention and Memory
PSYC-2610(3) Perception I
PSYC-2800(3) Fundamentals of Animal Learning
PSYC-2620(3) Psycholinguistics
PSYC-2920(3) Drugs & Behaviour

Minimum of 6 credit hours to be selected from:

BIOL-3602(3) Comparative Animal Physiology I (or the former BIOL-3601(6))
BIOL-3603(3) Comparative Animal Physiology II (or the former BIOL-3601(6))
BIOL-2111(6) Comparative Chordate Zoology

Minimum of 6 credit hours to be selected from:

BIOL-3492(3) Quantitative and Theoretical Biology
BIOL-3202(3) Histology
BIOL-3303(3) Molecular Genetics and Genomics (or the former BIOL-4302(3))
BIOL-4502(3) Molecular Cell Biology
BIOL-4501(3) Developmental Biology

Six (6) credit hours to be selected from:

PSYC-4040(6) Honours Thesis in a Natural Science area of Psychology approved by Biopsychology faculty members
OR
BIOL-4111(6) Biology Honours Thesis

Minimum of 3 credit hours at the 3000 level from Natural science Courses in Psychology (**PSYC-36xx, PSYC-38xx OR PSYC-39xx**).

Minimum of 12 credit hours total from Natural Science Courses in Psychology (**PSYC-46xx, PSYC-48xx or PSYC-49xx**), Advanced Reading and Research in a Natural Science area of Psychology at the 4000 level approved by Biopsychology faculty members (**PSYC-4010(3), PSYC-4020(3)**), and Biology at the 4000 level (**BIOL-4xxx**), with a minimum of 6 credit hours from each department.

BUSINESS AND ADMINISTRATION (BUS)

Updated Jan. 27, 2013

Note: Business and Administration is the new name of the former Administrative Studies program. The department/program code BUS for Business and Administration replaces the former codes 81 and AS. Students cannot hold credit in BUS-xxxx and AS-xxxx or the former 81.xxxx having the same course number (e.g., BUS-1201 (3) and AS-1201 (3) or 81.1201 (3)).

Chair: Associate Professor Karen Harlos; Professor: S. Singh; Associate Professor: J. Chen, D. Duval, M. Liu; Assistant Professors: K. Breward, M. Breward, F. DiMuro, I. Kyei-Poku, B. Silvestre, J. Yoo; Instructors: R. Harms, J. Melnyk, G. O'Farrell.

<http://busandadmin.uwinnipeg.ca>

DEGREES/PROGRAMS OFFERED

3- Year BBA

4- Year BBA

4- Year BBA – Economics and Finance – refer to the “Economics and Finance” section of the Course Calendar Joint Program with Red River College

Science with a Business Stream - refer to the “Science with a Business Stream” section of the Course Calendar and specific Science Departments’ course calendar entries, as appropriate.

INTRODUCTION

The Bachelor of Business Administration degree offered through the Department of Business and Administration is designed for students who wish to pursue a career in business, or in the public or non-profit sectors. Our aim is to graduate socially and ethically responsible students capable of succeeding in a rapidly changing world.

The 3-year BBA is an excellent complement to a degree in another field, and is intended to be readily accessible as a part of a double degree program upon completion of additional coursework.

The 4-year BBA prepares students for managerial work and also for further study in business administration such as an MBA or other graduate degree program.

In addition to the above, the joint program with Red River College offers the opportunity to obtain both a Bachelor of Business Administration degree and a Business Administration Diploma in less time than it would normally take to obtain the two qualifications, by allowing credit for work completed at the alternate institution.

REQUIREMENTS FOR A 3-YEAR BBA

ADMISSION REQUIREMENT	Admission to The University of Winnipeg with credit for Pre-calculus or Applied Mathematics 40S
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major	Minimum 18 credit hours in BUS-#### courses
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
3-YEAR BBA REQUIREMENT	36 credit hours
Required courses:	33 credit hours of core courses:
	BUS-1201 (3) Introduction to Business I
	BUS-1202 (3) Introduction to Business II
	BUS-2002 (3) Fundamentals of Financial Accounting
	OR
	BUS-2010 (3) Fundamentals of Financial Management and Administration

- BUS-2103 (3)** Fundamentals of Organizational Behaviour
- BUS-2210 (3)** Fundamentals of Marketing
- BUS-2440 (3)** Fundamentals of Human Resource Management
- BUS-2501 (3)** Fundamentals of Production and Operational Management
- ACS-1803 (3)** Introduction to Information Systems
- ECON-1102 (3)** Introduction to Economics: Micro
- ECON-1103 (3)** Introduction to Economics: Macro
- POL-2320 (3)** Government-Business Relations in Canada,

Corporate Social Responsibility Requirement:

Select one of the following courses:

- BUS-3110 (3) Ethics in Management
- BUS-3255 (3) Social Enterprise: From Theory to Practice
- IDS-3101 (3) Development Ethics
- PHIL-2201 (6) Moral Philosophy
- PHIL-2233 (3) Environmental Ethics

Additional Business Requirement: Minimum 3 credit hours of Business courses at the 3000 level or above (i.e. BUS-3###).

BUS-3110 (3) or BUS-3255 (3) can be used to fulfill both the Corporate Social Responsibility and the Additional Business Requirement.

Double Degree:

Full 3-year BBA degree requirements as above and specified number of credit hours in other degree program.
Courses eligible for both programs may be counted towards both degrees.
Please note that additional credit hours will need to be completed to receive two degrees.

Combined Major:

Minimum 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject. For the Business and Administration component, the following 18 credit hours are required at a minimum.

Students will be granted one degree (e.g., BBA, BA, or BSc) that reflects the degree program in which the majority of credit hours have been completed. The transcript will indicate the two departments that comprise the combined major.

- Prescribed Courses:
- BUS-1201 (3)** Introduction to Business I
 - BUS-1202 (3)** Introduction to Business II
 - BUS-2002 (3)** Fundamentals of Financial Accounting
 - OR**
 - BUS-2010 (3)** Fundamentals of Financial Management and Administration
 - OR**
 - BUS-2210 (3)** Fundamentals of Marketing
 - BUS-2440 (3)** Fundamentals of Human Resource Management
 - OR**
 - BUS-2103 (3)** Fundamentals of Organizational Behaviour
 - BUS-2501 (3)** Fundamentals of Production and Operational Management

REQUIREMENTS FOR A 4-YEAR BBA General Stream

ADMISSION REQUIREMENT

Minimum 30 credit hours completed.
Consultation with an Advisor from Business and Administration.

GRADUATION REQUIREMENT

120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours in BUS-#### courses

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours in Social Science
Writing: Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

4-YEAR BBA GENERAL STREAM REQUIREMENT

57 credit hours

Required courses: 33 credit hours of core courses (21 credit hours in BUS-#### courses, 12 in cognates)

- BUS-1201 (3)** Introduction to Business I
BUS-1202 (3) Introduction to Business II
- BUS-2002 (3)** Fundamentals of Financial Accounting
OR
BUS-2010 (3) Fundamentals of Financial Management and Administration
- BUS-2103 (3)** Fundamentals of Organizational Behaviour
BUS-2210 (3) Fundamentals of Marketing
BUS-2440 (3) Fundamentals of Human Resource Management
BUS-2501 (3) Fundamentals of Production and Operational Management
ACS-1803 (3) Introduction to Information Systems
ECON-1102 (3) Introduction to Economics: Micro
ECON-1103 (3) Introduction to Economics: Macro
POL-2320 (3) Government-Business Relations in Canada

Corporate Social Responsibility Requirement:

- Select one of the following courses:
BUS-3110 (3) Ethics in Management
BUS-3255 (3) Social Enterprise: From Theory to Practice
IDS-3101 (3) Development Ethics
PHIL-2201 (6) Moral Philosophy
PHIL-2233 (3) Environmental Ethics

Additional Business Requirements: 24 credit hours of additional Business and Administration courses (i.e., BUS-####) all of which must be at the 2000 level or above, including:
a minimum of 15 credit hours at the 3000 level or above
and of those, a minimum of 6 credit hours at the 4000 level are required.

BUS-3110 (3) or **BUS-3255 (3)** can be used towards fulfilling both the Corporate Social Responsibility and the Additional Business Requirements

The former **BUS 3440** and the former **BUS 3450** will be considered as **BUS 4440** and **BUS 4450** respectively for the purpose of fulfilling the 4000 level credit hours requirement within the 4-Year BBA.

Maximum BUS Courses: Maximum 78 credit hours of Business and Administration courses (BUS-####) may be used towards the degree.

REQUIREMENTS FOR A 4-YEAR BBA Concentration Stream

ADMISSION REQUIREMENT Minimum 30 credit hours completed.
Consultation with an Advisor from Business and Administration

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours in BUS-#### courses

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours in Social Science
Writing: Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

4-YEAR BBA WITH CONCENTRATION STREAM REQUIREMENT
66 credit hours

Required courses: 33 credit hours of core courses (21 credit hours in BUS-#### courses, 12 in cognates)

- BUS-1201 (3)** Introduction to Business I
BUS-1202 (3) Introduction to Business II
- BUS-2002 (3)** Fundamentals of Financial Accounting
OR
BUS-2010 (3) Fundamentals of Financial Management and Administration

BUS-2103 (3) Fundamentals of Organizational Behaviour
BUS-2210 (3) Fundamentals of Marketing
BUS-2440 (3) Fundamentals of Human Resource Management
BUS-2501 (3) Fundamentals of Production and Operational Management
ACS-1803 (3) Introduction to Information Systems
ECON-1102 (3) Introduction to Economics: Micro
ECON-1103 (3) Introduction to Economics: Macro
POL-2320 (3) Government-Business Relations in Canada

Corporate Social Responsibility Requirement:

Select one of the following courses:

BUS-3110 (3) Ethics in Management
BUS-3255 (3) Social Enterprise: From Theory to Practice
IDS-3101 (3) Development Ethics
PHIL-2201 (6) Moral Philosophy
PHIL-2233 (3) Environmental Ethics

Concentration Area Requirements: Minimum 12 credit hours in the chosen concentration;
of which a minimum of 9 credit hours are Business and Administration courses
(i.e., BUS-####)
and of those, a minimum 3 credit hours at the 4000 level are required

Please note that BUS-2002 (3) Fundamentals of Financial Accounting and
BUS-2003 (3) Managerial Accounting are pre-requisites for advanced courses in the
Accounting concentration. Students may declare up to two concentrations. The same
course cannot be used to fulfill the requirements of two concentrations, unique courses in
each concentration must be chosen.

Additional Business Requirements: Minimum 21 credit hours of Business and Administration courses (i.e., BUS-####) all of which
must be at the 2000 level or above, in addition to those counted towards the specific
concentration, including
a minimum of 12 credit hours at the 3000 level or above
and of those, a minimum of 3 credit hours at the 4000 level are required.

For students completing a second concentration, they may simply subtract the credit hours
in the second concentration from these 21 credit hours (i.e., they would be completing: 12
credit hours in the first concentration following the specifications noted in the Concentration
Area Requirements above, 12 credit hours in the second concentration (also adhering to
the same specifications as the first concentration) and 9 credit hours of additional Business
and Administration courses, all of which must be at the 2000 level or above.)

BUS-3110 (3) or BUS-3255 (3) can be used towards fulfilling both the Corporate Social
Responsibility and the Additional Business Requirements

The former BUS 3440 and the former BUS 3450 will be considered as BUS 4440 and BUS
4450 respectively for the purpose of fulfilling the 4000 level credit hours requirement within
the 4-Year BBA.

Maximum BUS Courses: Maximum 78 credit hours in Business and Administration courses (i.e. BUS-####) may be
used towards the degree.

See next page for Concentration Areas

CONCENTRATION AREAS

Accounting

BUS-3003 (3) Cost Accounting
BUS-3102 (3) Intermediate Accounting – Assets
BUS-3103 (3) Intermediate Accounting – Equities
BUS-3120 (3) Canadian Taxation
BUS-3550 (3) Auditing
BUS-4002 (3) Advanced Financial Accounting
BUS-4005 (3) Accounting Theory & Contemporary Issues*
BUS-4050 (3) Advanced Management Accounting*

Marketing

BUS-3230 (3) Advertising
BUS-3240 (3) Consumer Behaviour
BUS-3260 (3) Retail Management
BUS-3271 (3) Marketing Research
BUS-4245 (3) Consumer Decision-Making: A Marketing Perspective
BUS-4540 (3) International Marketing
ACS-3907 (3) eCommerce*

International Business

BUS-3500 (3) International Management
BUS-4220 (3) International Business
BUS-4940 (3) Emerging Markets and Business Practices
ECON-3301 (3) International Trade
ECON-3302 (3) International Finance
IDS/ANTH -3160 (3) Cultural Perspectives on Global Processes*

Human Resource Management & Organizational Behaviour

BUS-3321(3) Gender and Organizations
BUS 3410 (3) Compensation and Benefits
BUS 3420 (3) Recruitment and Selection
BUS 3460 (3) Leadership and Fairness in Complex Organizations*
BUS 4440 (3) Contemporary Human Resource Issues**
BUS 4450 (3) Motivation, Teams and Power in Organizations**
CRS-3240 (3) Workplace Conflict Resolution*
PSYC-3450 (3) Organizational Leadership and Decision Making*
SOC-2204 (3) Occupations and Professions*

* Courses may not be offered every academic year. Please consult with the relevant Department for planned course offerings.

**The former BUS 3440 and the former BUS 3450 will be considered as BUS 4440 and BUS 4450 respectively for the purpose of fulfilling the 4000 level credit hours requirement within the 4-Year BBA.

Note: Please consult the department for other relevant courses.

REQUIREMENTS FOR THE JOINT UNIVERSITY OF WINNIPEG/RED RIVER COLLEGE PROGRAM

In addition to the regular degree/programs offered, the University of Winnipeg and Red River College (RRC) have a cooperative agreement for a program of studies designed to afford students the opportunity to obtain both a degree (Bachelor of Business Administration) and a diploma (Business Administration Diploma) in less time than it would normally take to obtain the two qualifications, by allowing credit for work completed at the alternate institution. There are two options available.

Option A:

3-year or 4-year BBA: Students can receive **up to 45** credit hours of transfer credits from RRC towards a degree at the University of Winnipeg. Upon admission to the University of Winnipeg, students' transcripts will be evaluated to determine specific credits eligible to be transferred from RRC. All students will be required to meet all University of Winnipeg degree requirements for their chosen degree, as indicated in the relevant Course Calendar.

Notes:

*High School Requirement: Pre-Calculus Mathematics 40S or Applied Mathematics 40S. Students with Consumer Math must complete additional Math course in first-year of program.

* Three credit hours of Academic Writing is required if grade less than 80% in English 40S (2 credits).

*There is a maximum number of additional credit hours that can be taken at the 1000 level in a degree program.

*Effective for new applicants for admission to the University of Winnipeg, having completed their programs at RRC from 2005/06 onward.

For complete details on transfer credits and requirements go to:

<http://www.uwinnipeg.ca/index/fac-bus-ec-areas-study>

Option B:

For University of Winnipeg BBA graduates to obtain the RRC Diploma, they must complete 50 to 75 credit hours at RRC to meet normal program requirements. The number of credit hours required will be dependent on the specific courses completed at the University of Winnipeg. Students interested in Option B are urged to consult with the Head of the Business Administration Program at RRC.

GENERAL INFORMATION

Course Selection

Students are advised to confirm Departmental offerings before planning their curriculum as certain courses may not be available in each term. Students are advised to ensure that currently listed courses do not duplicate material studied previously under different course numbers.

Students must meet Departmental prerequisites unless these are waived by the Chair of the Department concerned. Students are encouraged to pursue courses in several discipline areas. Students are advised to consult with the Chair or Faculty Advisor to ensure that they are correctly meeting departmental requirements.

COURSE LISTINGS

Students are advised to consult the appropriate Timetable available from the Records Office for courses to be offered during the current term.

BUS-1201(3) Introduction to Business I	BUS-3502(3) Applications of Decision Sciences to Business
BUS-1202(3) Introduction to Business II	BUS-3510(3) Supply Chain Management
BUS-2002(3) Fundamentals of Financial Accounting	BUS-3550(3) Auditing
BUS-2003(3) Managerial Accounting	BUS-3600(3) Public Sector Financial Management
BUS-2010(3) Fundamentals of Financial Management and Administration	BUS-3660(3) Introduction to Commercial Law
BUS/UIC/IS-2030(3) Management and Financial Administration for Community and Aboriginal Organizations	BUS-3755(3) Entrepreneurship & Small Business Management
BUS-2103(3) Fundamentals of Organizational Behaviour	BUS/ECON-3819(3) Advanced Corporate Finance
BUS-2210(3) Fundamentals of Marketing	BUS-3900(3) Topics in Business Administration & Management
BUS-2301(3) Management of Co-operatives	BUS-3990(3) Directed Readings in Business and Administration
BUS-2440(3) Fundamentals of Human Resource Management	BUS-4002(3) Advanced Financial Accounting
BUS-2501(3) Fundamentals of Production and Operational Management	BUS-4005(3) Accounting Theory & Contemporary Issues
BUS/ECON-2819(3) Corporate Finance I	BUS-4050(3) Advanced Management Accounting
BUS/ECON-2820(3) Corporate Finance II	BUS-4111(3) Business Competition
BUS-3003(3) Cost Accounting	BUS-4220(3) International Business
BUS-3102(3) Intermediate Accounting Assets	BUS-4440(3) Contemporary Human Resource Issues
BUS-3103(3) Intermediate Accounting Equities	BUS-4450(3) Motivation, Teams, and Power in Organizations
BUS-3110(3) Ethics in Management	BUS-4540(3) International Marketing
BUS-3120(3) Canadian Taxation	BUS-4750(3) Business Plan
BUS/HIST-3135(6) The Hudson's Bay Company and The Modern Department Store	BUS/ECON-4800(3) Investments
BUS-3230(3) Advertising	BUS/ECON-4801(3) Options, Futures & Derivatives
BUS-3240(3) Consumer Behaviour	BUS-4900(3) Advanced Topics in Business & Management
BUS-3250(3) Not-For-Profit Management	BUS-4901(3) Business Strategy
BUS-3255(3) Social Enterprise: From Theory to Practice	BUS-4940(3) Emerging Markets and Business Practices
BUS-3260(3) Retail Management	Experimental Courses
BUS-3271(3) Marketing Research	BUS/WGS-3321(3) Gender and Organizations
BUS/ECON-3320(3) Managerial Finance	BUS-3460(3) Leadership and Fairness in Complex Organizations
BUS-3410(3) Compensation and Benefits	BUS-4245(3) Consumer Decision-Making: A Marketing Perspective
BUS-3420(3) Recruitment and Selection	
BUS-3500(3) International Management	

COURSE DESCRIPTIONS

BUS-1201(3) INTRODUCTION TO BUSINESS I (Le3)

This course introduces fundamental concepts related to current business trends, business ownership, entrepreneurship, general management including organizational behaviour and human resources management. Emphasis is placed on relating course material to current events in the business world. Course delivery is primarily by lecture, and maybe complemented by videos and guest speakers.

RESTRICTIONS: Students may not receive credit for both this course and the former BUS-1101(6).

BUS-1202(3) INTRODUCTION TO BUSINESS II (Le3)

This course introduces basic terminology, concepts, theories and some qualitative and quantitative analytic techniques of key functional areas in business such as marketing, production and operational management, accounting, and financial management. Student participation in an online business simulation allows students to experience a practical application of these primary business functions. Emphasis is placed on

relating course material to current events in the business world. Course delivery is primarily by lecture, and may be complemented by videos and guest speakers.

RESTRICTIONS: Students may not receive credit for both this course and the former BUS-1101(6).

BUS-2002(3) FUNDAMENTALS OF FINANCIAL ACCOUNTING (Le3)

An introduction to the accounting postulates used in preparing and presenting financial statements and a brief study of the role of accounting in the creation and application of business information.

PREREQUISITES: Pre-Calculus Mathematics 40S or Applied Mathematics 40S and BUS 1202(3) or the former BUS-1101(6) with a grade of at least C.

RESTRICTIONS: Cannot be held in conjunction with BUS-2010(3)

BUS-2003(3) MANAGERIAL ACCOUNTING (Le3)

This course is an introduction to the accounting methods used by managers for financial evaluation and decision-making. It deals primarily with the corporate management's point of view.

PREREQUISITE: BUS-2002(3) or the former MATH-2002(3) with a minimum grade of C+.

BUS-2010(3) FUNDAMENTALS OF FINANCIAL MANAGEMENT AND ADMINISTRATION (Le3) This course introduces students to basic financial terms, procedures and concepts that provide the foundation for organizational financial management. It also examines planning, budgeting, and control within an organization as well as the gathering, using, and reporting of the financial information resulting from an organization's activities.

PREREQUISITES: BUS-1202(3) OR THE FORMER BUS-1101(6) WITH A GRADE OF AT LEAST C.

RESTRICTIONS: Cannot be held in conjunction with BUS-2002(3), BUS-2003(3), the former BUS-2319(6), BUS-2819(3), BUS-2820(3), the former ECON-2319(6), ECON 2819(3) or ECON 2820(3).

BUS-2030(3) MANAGEMENT AND FINANCIAL ADMINISTRATION FOR COMMUNITY AND ABORIGINAL ORGANIZATIONS (Le3) As small-scale and not-for-profit structures, community-based and Aboriginal organizations often face unique challenges and political/cultural realities in terms of overall management and operations. This course provides students with a good understanding of the key facets of management and administrative structures within the community and Aboriginal sectors in particular. Key topics include organizational structures and management controls, financial statements and budgeting, performance measurements, strategic planning and operations analysis and evaluation.

PREREQUISITE: UIC-1001 (3) or IS-1015 (6) or Departmental approval.

CROSS-LISTED: UIC-2030 (3), IS-2030 (3).

BUS-2103(3) FUNDAMENTALS OF ORGANIZATIONAL BEHAVIOUR (Le3) This course is designed to introduce students to the theories and concepts of organizational behaviour. The principal topics examined include the bases of individual behaviour in groups and organizations; the structural and functional imperatives of formal organizations, and administration in formal organizations. This course is normally taught on a case-study basis.

PREREQUISITE: BUS-1201(3) or the former BUS-1101(6) with a grade of at least C.

RESTRICTIONS: Students may not receive credit for both this course and PSYC-2440(3) or the former PSYC-2101(6).

BUS-2210(3) FUNDAMENTALS OF MARKETING (Le3) This course surveys the marketing practices of organizations. It includes analysis of customer behaviour and markets, and methods of satisfying them. This course is normally taught on a case-study basis.

PREREQUISITE: BUS-1202(3) or the former BUS-1101(6) with a grade of at least C.

BUS-2301(3) MANAGEMENT OF CO-OPERATIVES (Le3) This course is an introduction to the unique challenges involved in the management of cooperatives. It aims to build students' appreciation of cooperatives as a viable model of economic development. The course focuses on the methods by which mainstream governance, accounting, personnel, and marketing practices can be adapted to fit the cooperative model. A combination of lectures, readings, guest speakers, case studies and discussion helps students develop an understanding of cooperative principles and values and the history of co-ops. Students learn about Manitoba's cooperatives, as well as national and international co-op networks.

PREREQUISITES: A grade of C or better in BUS-1201(3) or the former BUS-1101(6), or UIC-1001 or AG-1015, or Departmental Approval.

BUS-2440(3) FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (Le3) This course introduces students to the theory and practice of managing an organization's human resources. Topics include job evaluation, employee selection, employment equity, compensation, appraisal, and benefits. It may also include topics such as human resource planning, industrial relations, and employment law.

PREREQUISITE: BUS-1201(3) or the former BUS-1101(6) with a grade of at least C.

BUS-2501(3) FUNDAMENTALS OF PRODUCTION AND OPERATIONAL MANAGEMENT (Le3) This course introduces students to the major problems of production, operational management, and quality control. These include the design and layout of production systems, materials and production planning, and production scheduling and control.

PREREQUISITE: Pre-Calculus Mathematics 40S or Applied Mathematics 40S and BUS 1202(3) or the former BUS-1101(6) with a grade of at least C.

RESTRICTIONS: Students may not receive credit in this course and the former BUS-3501(3).

BUS-2819(3) CORPORATE FINANCE I (Le3, La1) This course introduces students to the fundamentals of finance and presents theories and tools to be used in addressing corporate finance problems and issues. The course examines the theories and principles of financial management that relate to the practices used by corporations in the procurement, management and disbursement of capital funds. Topics include methods of capital acquisition and valuation of capital and financial assets. Students who have already completed STAT 1301 (3) and STAT 1302 (3) or the former STAT-1201(6) or STAT-1501(3) should inform registration staff that they have standing in the corequisite course.

PREREQUISITES: ECON-1102 (3) and ECON-1103 (3) with a minimum grade of C or BUS-2002 (3) with a minimum grade of C+.

RESTRICTIONS: Cannot be held in conjunction with BUS-2010 (3), or the former ECON-3320 (6), ECON-2319(6), BUS-2319(6) or BUS-3620 (6).

COREQUISITES: STAT 1301 (3) and STAT 1302 (3) or the former STAT-1201(6) or STAT-1501(3).

CROSS-LISTED: ECON-2819(3)

BUS-2820(3) CORPORATE FINANCE II (Le3, La1) This course builds on the fundamentals introduced in ECON-2819 (3) and discusses theories and tools used for evaluating risks and returns associated with financial assets. There is an intensive study of economic theories and principles of financial management. Topics include Capital Asset Pricing Model (CAPM), market efficiency, and management of working capital.

PREREQUISITES: ECON-2819 (3) or BUS-2819 (3)

RESTRICTIONS: Students may not hold credit in this course and the former ECON-3320 (6), ECON-2319(6), BUS-2319(6) or BUS-3620 (6).

CROSS-LISTED: ECON-2820(3)

BUS-3003(3) COST ACCOUNTING (Le3) This is an intermediate-level, case-based course in managerial accounting which concentrates on the topics in organizational planning, financial control, and cost specifications needed to determine income and cost requirements for policy and non-routine decision-making. It follows on from BUS-2003(3) (Managerial Accounting.)

PREREQUISITES: STAT 1301 (3) and STAT 1302 (3) or the former STAT-1201(6) or ECON-1201 (3), and a minimum grade of C+ in BUS-2003(3). Note that ECON 1201 (3) has not yet been accepted as a transfer credit for professional

accounting designations. Please check with CA, CMA and CGA offices as appropriate.

BUS-3102(3) INTERMEDIATE ACCOUNTING ASSETS (Le3) This is an intermediate-level course which follows BUS-2002(3) (Financial Accounting). It concentrates on policies and practice related to the measurement and recording of an organization's assets and the asset side of an organization's balance sheet.
PREREQUISITE: BUS-2002(3) with a minimum grade of C+.

BUS-3103(3) INTERMEDIATE ACCOUNTING EQUITIES (Le3) This is an intermediate-level course which follows BUS-2002(3) (Financial Accounting). It concentrates on policies and practice related to the measurement and recording of shareholders equity, liabilities, and the equity side of an organization's balance sheet.
PREREQUISITE: BUS-2002(3) with a minimum grade of C+.

BUS-3110(3) ETHICS IN MANAGEMENT (Le3) This case-based course considers the social and ethical responsibilities of management at both the individual and organizational levels. Issues considered include managers' obligations to their organizations and to individuals within those organizations, and organizations' responsibilities to a variety of stakeholders in the broad society.

PREREQUISITE: A minimum grade of C in one of BUS-2103(3) or PSYC-2440(3) or BUS-2440(3).

BUS-3120(3) CANADIAN TAXATION (Le3) This course deals with the applications of federal and provincial income tax regulations and their impact on a corporation, business, and individual. Problems, issues and planning associated with the Income Tax Act are examined. The computation of taxable income and taxes payable by individuals, corporations, partnerships and trusts are also studied.
PREREQUISITE: A minimum grade of C+ in BUS-2003(3).

BUS-3135(6) THE HUDSON'S BAY COMPANY AND THE MODERN DEPARTMENT STORE (Le3) In this lecture/seminar course, students will examine the history of modern retail business organizations, with special attention being given to the Hudson's Bay Company's urban retail stores. The extensive archives of the company will afford students an excellent opportunity to study major issues in accounting, personnel, management, and marketing. The external social and political context in which the stores operated will also be studied.
CROSS-LISTED: HIST-3135(6).

BUS-3230(3) ADVERTISING (Le3) This course will provide students with a thorough understanding of advertising/sales promotion principles and methods. Topics include the role of advertising agencies; the function and benefits of advertising and sales promotion for business and other institutions, including not-for-profits; and the economic, social, legal, and ethical responsibilities which attend mass communication with the public. The term project for this course, which will be done in groups, will develop and present a full-scale advertising campaign.
PREREQUISITE: BUS-2210(3) with a grade of C or better.

BUS-3240(3) CONSUMER BEHAVIOUR (Le3) This course is a case-based study of the buying behaviour of individuals and organizations. It analyses the motivations, roles, and behaviour of consumers, and examines how they are affected by economic, social, and cultural influences within society. Students will also learn how marketers develop models of this consumer behaviour for business and administrative decision-making purposes.
PREREQUISITE: BUS-2210(3) with a grade of C or better.

BUS-3250(3) NOT-FOR-PROFIT MANAGEMENT (Le3) This course explores the distinctive management challenges inherent in a not-for-profit organization. Topics to be addressed include mission, governance, social marketing, volunteerism, fundraising, stakeholder services, and the impact of technology. Through case studies of actual not-for-profit organizations, students will develop a framework for analyzing contemporary issues in the not-for-profit sector and for making management decisions in a not-for-profit context.
PREREQUISITE: BUS-2210(3) or BUS-2103(3) or BUS-2440(3) or KIN-2100(3) with a grade of C or better.

BUS-3255 (3) SOCIAL ENTERPRISE: FROM THEORY TO PRACTICE (Le3) With their multiple bottom lines (financial, social and environmental) and ultimate goal of bettering society, social enterprises are playing an increasingly important role in the current economy. This course is designed to examine the role of social enterprises, to identify and assess their different types, to explore management issues unique to social enterprises, and to measure their impacts. We also critically analyze examples of social enterprises in Canada and elsewhere.
PREREQUISITES: A grade of C or better in BUS-2210 (3) or BUS-2103 (3) or BUS-2440 (3).

BUS-3260(3) RETAIL MANAGEMENT (Le3) This is a lecture and case-based course designed to introduce students to the concept of retail management. This course enables students to practice the variables of the retail mix in order to develop appropriate retail strategies. Further, this course emphasises on the management of merchandise resources, human resources and financial resources, and examines trading area analysis, location/site decisions, store operations, and retail information systems.
PREREQUISITE: A minimum grade of C in BUS-2210(3).

BUS-3271(3) MARKETING RESEARCH (Le3) This course is intended to introduce students to marketing research, which involves the acquisition and analysis of data for use as a decision-making tool in organizations. Various marketing research methods will be discussed, including qualitative methods such as focus groups and in-depth interviews, as well as quantitative methods such as survey research and conjoint analysis. Through use of the case method, students will use simulated research data to practice decision-making in non-profit organizations and business enterprises.
PREREQUISITE: BUS-2210(3) with a grade of C or better.

BUS-3320(3) MANAGERIAL FINANCE (Le3) This course presents an intensive study of the economic theories and principles of financial management essential for the growth of business firms and hence the growth of the Canadian economy. It will relate financial theory to financial management within a Canadian context.
PREREQUISITES: ECON-2101(3).
RESTRICTIONS: Students may not hold credit in ECON-3320(3) and ECON-3320 (6).
CROSS-LISTED: ECON-3320(3).

BUS-3410(3) COMPENSATION AND BENEFITS (Le3) This course presents students with the current theories on compensation, benefits, and pensions, and provides an opportunity to learn practical skills to manage compensation systems. This course is taught from the dual perspective of both the organization and the employee. The issues surrounding compensation (direct and indirect) are explored from the organizational perspective to ensure compliance, internal and external equity, and how compensation relates to its strategic goals. The compensation issues are also discussed from the perspective of a current or prospective employee, as they relate to motivation, satisfaction, and turnover intentions.

PREREQUISITE: BUS-2440(3) with a grade of C+ or better.

BUS-3420(3) RECRUITMENT AND SELECTION (Le3)

Attracting, hiring, and retaining the right people are key to organizational success in a competitive global market. This course has been designed to provide a conceptual and practical understanding of the key aspects of the recruitment and selection functions in Human Resource Management (HRM). The material builds on concepts and theories introduced in the fundamentals of HRM course. Knowing how crucial good staffing decisions are to an organization's success, students learn the principles, current techniques and practical applications for recruitment and selection. Material is discussed from both the perspective of the organization and the potential/existing employee.

PREREQUISITE: BUS-2440(3) with a grade of C+ or better.

BUS-3500(3) INTERNATIONAL MANAGEMENT (Le3)

This theory and research-based course relates to developing skills needed for effective management of people, resources and processes in an international context, and focuses on management functions and behaviours necessary to develop global vision and management skills at both a strategic (macro) level and an interpersonal (micro) level. This course is particularly useful for students interested in learning the impact of culture on international management, negotiations and strategy.

PREREQUISITE: A minimum grade of C in either BUS-2210(3) or BUS-2103(3) or BUS-2440(3).

BUS-3502(3) APPLICATIONS OF DECISION SCIENCES TO BUSINESS (Le3)

This course provides students with quantitative techniques (modeling, optimization, and simulation) applicable to various areas of management: finance, marketing, and accounting. The methods presented to students serve as decision-making tools by helping the future manager to obtain the best decision under predefined criteria. Both the applicability and limitations of these techniques are discussed. In this course, the students are exposed to a variety of quantitative techniques that are useful in dealing with complexities, such as multiple objectives and uncertainty. The course focuses on applications of quantitative methods in decision-making using software such as Excel.

PREREQUISITE: BUS-2501(3) with a minimum grade of C+.

BUS-3510(3) SUPPLY CHAIN MANAGEMENT (Le3)

A supply chain is a network of value-adding activities including the original acquisition of raw materials, production of the item at a manufacturing facility, distribution to a retailer, sale of the finished item to the customer, and service activities that follow the sale. How to effectively manage the supply chain is a central issue for all levels of management, regardless of industry. This course is aimed at exposing students to the updated topics and issues covered in supply chain management. Students are exposed to a variety of issues related to supply chain design, purchasing, operations, logistics, and coordination.

PREREQUISITE: BUS-2501(3) with a minimum grade of C+.

BUS-3550(3) AUDITING (Le3) This course familiarizes students with basic concepts and theories, the auditor decision making process, the legal environment of auditing in Canada, the nature and sources of audit evidence and the internal control process. This course uses a combination of lectures/discussion, presentations and case studies.

PREREQUISITES: BUS-3102(3) and BUS-3103(3) with a C+ average.

BUS-3600(3) PUBLIC SECTOR FINANCIAL MANAGEMENT (Le3)

This course offers an overview of governmental units for accountants. The course deals with financial management concepts, methods, and standards in use in the public sector generally, and in the Canadian public sector more specifically. The focus is on the federal and provincial governments, although international issues are also covered. After completing the course, students will be familiar with planning, control, and reporting in government. They will be able to prepare, review, and analyze government annual reports and budget documents; critically analyze public-sector performance information; review, evaluate, and/or recommend cost management and control practices in public-sector enterprises; and identify and manage risk.

PREREQUISITES: A minimum grade of C+ in BUS-2003(3), BUS-3103(3), and BUS-3550(3).

BUS-3660(3) INTRODUCTION TO COMMERCIAL LAW (Le3)

This course provides an introduction to the legal environment of Canadian business, the environment in which Canadian businesses operate. Background material is provided on the Canadian constitution, courts, and legislative system. A second part discusses the most common forms of business organization in Canada: sole proprietorships, partnerships, cooperatives, and corporations. Further sections provide an introduction to the law of torts, and the law of contract. Students who do well in this course may customarily apply it toward the professional accreditation programs of the accounting associations.

PREREQUISITES: BUS-1202(3) or the former BUS-1101(6) with a grade of at least C, plus six additional credit hours in Business and Administration (i.e. BUS-####) all with a grade of at least C.

BUS-3755(3) ENTREPRENEURSHIP & SMALL BUSINESS MANAGEMENT (Le3)

This course considers the nature of entrepreneurship and the distinctive financing, marketing, operational, management and personal challenges of starting and managing a small business. Course methodology is a combination of lecture/discussions, case studies, and visits with members of the Winnipeg business community. Requirements include a feasibility study for an entrepreneurial venture of the student's own choosing.

PREREQUISITES: A minimum average of C in either BUS-2002(3) or BUS-2010, BUS-2103(3) or PSYC-2440(3), BUS-2210(3), BUS-2440(3) and BUS-2501(3).

RESTRICTIONS: May not be taken for credit with the former AS-4750(3).

BUS-3819(3) ADVANCED CORPORATE FINANCE (Le3)

This advanced finance course adds to the technical skill and conceptual understanding of accounting and corporate finance developed in previous courses. It provides an indepth study of issues and tools that financial managers use in making decisions. Topics include capital budgeting under uncertainty; advanced cash flow analysis; long term sources of funds; capital structure; dividend policy; special financing and investment decisions; timing decisions; futures, forwards, options and swaps; treasury risk management; and financial planning.

PREREQUISITE: A minimum of C+ in either ECON-2820 (3) or BUS-2820 (3).

CROSS-LISTED: ECON-3819(3).

BUS-3900(3) TOPICS IN BUSINESS ADMINISTRATION & MANAGEMENT (Le3)

The course examines issues in a specific business related area. The choice of topic depends on the instructor. Students gain a deeper understanding of a particular area of business through examination of its related business issues at a more in-depth level. This course is designed to include lectures and special guest speakers combined with an interactive, discussion-based format.

PREREQUISITES: 30 credit hours of courses eligible for the BBA requirements or permission of the instructor and Chair of Business and Administration.

BUS-3990(3) DIRECTED READINGS IN BUSINESS AND ADMINISTRATION (NT) This is a reading course open to students in their third and fourth years which involves independent and specialized study in an advanced area of Business and Administration. The topic and course work requirements will be determined by mutual agreement of the student and instructor. A research paper will normally be required.

PREREQUISITES: Permission of the instructor and Chair of Business and Administration.

RESTRICTIONS: May not be taken for credit more than twice.

BUS-4002(3) ADVANCED FINANCIAL ACCOUNTING (Le3) This course familiarizes students with current advanced accounting concepts and theories. The major focus will be the fundamentals and advanced topics related to corporate consolidations. In addition the course examines the complex accounting and up coming issues involved in both foreign subsidiaries and foreign currency translation. The course uses a combination of lectures/discussions, presentations and case studies.

PREREQUISITES: BUS-3102(3) and BUS-3103(3) with a C+ average.

BUS-4005(3) ACCOUNTING THEORY & CONTEMPORARY ISSUES (Le3) This course studies current issues and problems in the field of financial accounting. Topics covered include the contributions of economics, finance, and other disciplines to accounting theory; the practical and theoretical problems of the present value model; foreign exchange accounting; hedging; the process and issues of standard setting; agency theory; and other topics related to specific industries or sectors of the economy.

PREREQUISITES: A minimum grade of C+ in BUS-3103(3) and either BUS-2820(3) (or the former BUS-2319(6)) or ECON-2820(3) (or the former ECON-2319(6)).

BUS-4050(3) ADVANCED MANAGEMENT ACCOUNTING (Le3) This course equips students with a conceptual understanding of the role of management accounting information. Students learn to perform analyses to support managerial decisions, design and implement effective management control systems, and develop an awareness of the moral responsibilities of management accountants. Topics include management accounting and management decisions; relevant information and complications in short-run decisions; capital budgeting; contemporary approaches to product costing; activity-based management; agency theory; responsibility accounting and transfer pricing; and ethical considerations. Computer spreadsheets are used to illustrate concepts and provide practical, hands-on experience.

PREREQUISITE: A minimum grade of C in BUS-3003(3).

BUS-4111(3) BUSINESS COMPETITION (Le3) Competition is fundamental to a market economy and an integral element of the business world. This course involves participation in an intercollegiate competition based on some aspect of business. Performance and relative ranking in that competition is a significant factor in performance evaluation. Admission to the course is by competitive selection procedure.

PREREQUISITES: Completion of 45 credit hours with a B average.

ADDITIONAL REQUIREMENTS: Permission of the Instructor.

BUS-4220(3) INTERNATIONAL BUSINESS (Le3) This course examines both theory and application of business in an international context. It offers research insights from around the globe and shows how corporate practices are adjusted to respond to the realities of the international marketplace. This course includes social, environmental, ethical and economic aspects of international businesses, and discusses the interaction between government and business. This course is designed to challenge students in their critical thinking as well as in their ability to manage risks associated with international business in foreign domain.

PREREQUISITES: A minimum average of C in either BUS-2002(3) or BUS-2010, BUS-2103(3) or PSYC-2440(3), BUS-2210(3), BUS-2440(3) and BUS-2501(3).

BUS-4440(3) CONTEMPORARY HUMAN RESOURCE ISSUES (S3) This seminar course allows students to discuss contemporary issues surrounding the Human Resource Management and Organizational Behaviour fields. This research based course provides an opportunity for students to explore practical solutions to resource management issues within organizations. The topics for research and discussion may include increasing diversity in the workplace, person-organization fit, workplace monitoring/privacy issues, motivation of employees, getting the best employees, deselection methodologies, change management, personal wellness/stress management, work-life balance, and personal accountability of managers in corporations and the public sector.

PREREQUISITES: A minimum grade of C+ in BUS-2440 (3), and BUS-2103 (3) or PSYC-2440 (3).

RESTRICTIONS: Students may not receive credit in this course and the former BUS-3440 (3).

BUS-4450 (3) MOTIVATION, TEAMS, AND POWER IN ORGANIZATIONS (Le3) This course builds on the fundamentals of organizational behaviour to examine three core topics—motivation, teams, and power—and underlying processes. Systematic study of these topics draws on perspectives from psychology, sociology, anthropology, and political science. Intersections among topics are explored through ethical, global, analytical, and action-oriented lenses. A range of instructional methods are used, including lectures, exercises, film and case analysis.

PREREQUISITES: A minimum grade of C+ in either BUS-2103 (3) or in PSYC-2440 (3).

BUS-4540(3) INTERNATIONAL MARKETING (Le3) This theory and research-based course provides students with an understanding of concepts associated with international marketing and builds on the existing knowledge of marketing and consumer behaviour. Topics include the role of international marketing in promoting consumer and industrial products in both developed and emerging markets. The group term-project for this course is based on research that recommends appropriate international marketing strategies for a given country.

PREREQUISITE: A minimum grade of C in BUS-3240(3).

BUS-4750(3) BUSINESS PLAN (Le3) The focus of this course is development of a business plan for an entrepreneurial venture. This project can be undertaken by either an individual or a group. Expectations include submitting the business plan to a business plan competition and/or presenting it to potential sources of funding for the venture.

PREREQUISITES: BUS-3755(3).

ADDITIONAL REQUIREMENTS: Permission of the Instructor.

RESTRICTIONS: May not be held for credit with the former AS-4750(3).

BUS-4800(3) INVESTMENTS (Le3) This course introduces students to the main financial instruments that are used in the investment industry, including a detailed description of

financial instruments and how they are traded in financial markets. A brief review of portfolio theory is presented including a discussion of a number of key models of modern finance, including the Capital Asset Pricing Model and the Arbitrage Pricing Theory. The course also includes a detailed examination of the role and operation of fixed income securities and equities. The course concludes with a discussion of the role and techniques of passive versus active portfolio management.

PREREQUISITES: ECON-2820(3) (or the former ECON-2319(6)), BUS-2820(3) (or the former BUS-2319(6)), STAT 1301 (3) and STAT 1302 (3) or the former STAT-1201(6) and ONE of MATH-1101 (6) or MATH-1102 (3) or MATH-1103 (3).

CROSS-LISTED: ECON-4800(3).

BUS-4801(3) OPTIONS, FUTURES & DERIVATIVES

(Le3) This course is designed to provide an in-depth analysis of a number of topics in modern finance theory and applications. The main areas that are examined include Futures Markets, Option Markets and Derivatives. These financial instruments play a key role in the management of risk by firms, and have attracted increasing interest from private sector firms and the larger community. The role of these instruments in the financial markets and their effect on

the financial system is examined in detail.

PREREQUISITES: ECON-2820(3) (or the former ECON-2319(6)), BUS-2820(3) (or the former BUS-2319(6)), STAT 1301 (3) and STAT 1302 (3) or the former STAT-1201(6) and ONE of MATH-1101 (6) or MATH-1102 (3) or MATH-1103 (3).

CROSS-LISTED: ECON-4801(3).

BUS-4900(3) ADVANCED TOPICS IN BUSINESS & MANAGEMENT (LE3)

The covers specific issues in a specific business related areas. This course provides students with the opportunity to gain a deeper appreciation of the issues involved in a specific business related area. The course is intended to further develop the student's critical business thinking and analysis in addition to their research skills. This course may be repeated for credit when the topic varies.

PREREQUISITES: Permission of the instructor and Chair of Business and Administration, plus 42 credit hours of BUS courses (i.e. BUS-####) all with a grade of least C.

BUS-4901(3) BUSINESS STRATEGY (Le3) This case-based course takes the perspective of the general manager with responsibility for the overall organization, rather than that of a functional specialist. Topics include the nature of strategy and its function for an organization; the characteristics of effective strategy; and how strategy forms and evolves in relation to an organization's environment, competition, capabilities, and the values and ambitions of its leadership. This course is intended for students in their final year of study as a capstone to the Administrative Studies degree program.

PREREQUISITES: A minimum average of C in either BUS-2002(3) or BUS-2010, BUS-2103(3) or PSYC-2440(3), BUS-2210(3), BUS-2440(3) and BUS-2501(3).

BUS-4940(3) EMERGING MARKETS AND BUSINESS PRACTICES (Le3)

This course focuses on the prevailing business practices and the process of globalisation of organisation from the emerging markets. The growing power of nations and purchasing power of consumers from emerging markets such as India, China, Brazil and Russia (BRIC countries) mean that business managers need to learn to: discover the new consumer preferences; develop new products; and, devise appropriate strategies to market

these products. This course is designed to answer these questions.

PREREQUISITES: A minimum grade of C in BUS-3240(3).

EXPERIMENTAL COURSES

BUS-3321(3) GENDER AND ORGANIZATIONS Exploring gender's relevance to organizations of various types, including corporations and not-for-profits, this course addresses how gendered analysis can benefit a variety of perspectives on organizations. Taking critical and postmodern approaches to organizational theory and practice, the course considers gender with respect to such topics as leadership; management; communication; conflict resolution; diversity; inclusion, and intersectionality; power; negotiation; organizational change; organizational justice; ethics; healthy workplaces; volunteer workers; management; human resources and globalization.

PREREQUISITES: WGS-1232 or BUS-2103 or POL-2300 or (POL-2305 and POL-2310) or permission of the instructor.

CROSS-LISTED: WGS-3321(3)

BUS-3460(3) LEADERSHIP AND FAIRNESS IN COMPLEX ORGANIZATIONS (Le3)

This course presents students with current theories of leadership and fairness, exploring their underlying assumptions, strengths, and limitations through case analysis, discussions, lectures, and other instructional methods. Topics include leading through fair procedures and leading in crisis situations. Implications for integrity-based governance, work stress and well-being are also considered. The conceptual underpinnings and skills related to leading fairly aim to help students understand how they may create more effective organizations.

PREREQUISITES: A grade of C+ or better in either BUS-2103 (3) or PSYC-2440 (3).

BUS 4245(3) CONSUMER DECISION MAKING: A MARKETING PERSPECTIVE (LE3)

- This course builds on BUS-2210 (3) Fundamentals of Marketing. Using readings from leading marketing journals such as Marketing Science, students examine various factors (i.e., mood, level of arousal, retail atmosphere variables) that influence consumer decision-making. Overall, the course exposes students to theories of thinking, decision-making, creativity, learning from feedback and casual reasoning. Students are asked to apply the research findings to help create public policy implications for a number of relevant groups in society, including consumers, marketers, and businesses. Students are also asked to apply the research findings to help create a framework for understanding the thought processes underlying consumers' decisions.

PREREQUISITES: Minimum average of C+ in both BUS-2210(3) and BUS-2103(3)

CHEMISTRY (CHEM)

Updated July 18, 2013

Note: The department/program code CHEM replaces the former code 08. Students cannot hold credit in CHEM-xxxx and the former 08.xxxx having the same course number (e.g., CHEM-1111(3) and 08.1111(3)).

Chair: D. Vanderwel; **Associate Chair:** E. Segstro; **Professors Emeriti:** B. Blackburn, H. Hutton; **Professors:** A. Ata, D. Craig, D. Goltz, K.J. Friesen; **Associate Professors:** M. Eze, A. McCubbin, C. Wiebe, C. Wong; **Assistant Professors:** J. Hollett, J. Ritch, T. Wood. **Instructors:** K. Buffie, J. Galka, D. Latimer.

DEGREES/PROGRAMS OFFERED

3-Year BSc
3-Year BSc (Business Stream)
4-Year BSc
4-Year BSc (Business Stream)
Honours BSc
Honours BSc (Business Stream)
4-Year BSc (UW/RRC)

INTRODUCTION

Chemistry is the study of the property and composition of matter, the transformations that matter may undergo, and the energies associated with such transformations. There are five main areas of chemistry: analytical chemistry, inorganic chemistry, organic chemistry, physical chemistry, and biochemistry. The department offers a solid foundation in each of these areas, plus more advanced courses for specialization at the senior level.

The Department of Chemistry offers 3-year, 4-year, and Honours BSc degrees in Chemistry. The department is also involved in several other interdisciplinary programs, most notably Biochemistry, Chemical Physics, and Environmental Studies (Chemistry Stream). An additional option available is the 4-year BSc program in Applied Chemistry, offered jointly by the University of Winnipeg and Red River College. Students pursuing a 3-year or 4-year BSc in Chemistry have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. After completing the requirements of the BSc degree and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar, it will be noted on the student's transcript that they have satisfied the requirements of a BSc degree with a Business stream.

Chemists are involved in many fields, including environmental protection, pharmaceutical science, forensic science, toxicology, agricultural science, food science, education, geochemistry, biochemistry, materials science, biotechnology, oceanography, computer modelling, and plant management. Graduates from a 3-year BSc in Chemistry may proceed to professional schools in a health-related area (such as pharmacy, medicine, veterinary medicine, or dentistry), or to careers as diverse as education, library science, business administration, public administration, engineering and law. Graduates with 4-year or Honours degrees in Chemistry usually proceed directly to employment or to graduate school (to obtain an MSc or PhD degree). Ultimately, most obtain jobs either as technicians, managers, consultants or research scientists in industry or in government.

Arts students, with the required prerequisites, may take **CHEM-1801(3)** Headline Chemical News, **CHEM-1111(3)** Introduction to the Chemical Properties of Matter, **CHEM-1112(3)** Basic Principles of Reactivity, or **CHEM-2801(3)** Chemistry and Society towards their Science requirement.

GENERAL INFORMATION

Prerequisites

Chemistry 40S AND Pre-Calculus or Applied Mathematics 40S are required for acceptance to the Chemistry Major program.

Laboratory Work

Laboratory work has been designed to complement the lecture material; students are able to work in small lab sections with the possibility of individual projects. In advanced labs, modern instrumental techniques and computer facilities are used extensively.

Pre-professional Program Requirements

Students planning to enter the Faculties of Dentistry or Medicine are required to take the following courses:

CHEM-1111(3)	Introduction to the Chemical Properties of Matter
CHEM-1112(3)	Basic Principles of Chemical Reactivity
CHEM-2202(3)	Organic Chemistry I
CHEM-2203(3)	Organic Chemistry II
CHEM-3502(3)	Intermediate Biochemistry I
CHEM-3503(3)	Intermediate Biochemistry II

Students planning to enter professional faculties would normally take the above courses in sequence. However, provided that a minimum grade of 75 (or equivalent) was obtained in Chemistry 40S, the course **CHEM-1111(3)** may be taken concurrently with **CHEM-2202(3)**, and **CHEM-1112(3)** may be taken concurrently with **CHEM-2203(3)**. Also, provided that a minimum grade of B+ was obtained in both **CHEM-1111(3)** and **CHEM-1112(3)** (or the former **CHEM-1101(6)**), the course **CHEM-2202(3)** may be taken concurrently with **CHEM-3502(3)**, and **CHEM-2203(3)** may be taken concurrently with **CHEM-3503(3)**.

REQUIREMENTS FOR THE 3-YEAR BSc IN CHEMISTRY

ADMISSION REQUIREMENT	Students must consult with a department advisor in planning their course of study.		
GRADUATION REQUIREMENT	90 credit hours		
RESIDENCE REQUIREMENT			
Degree:	Minimum 30 credit hours		
Major:	Minimum 18 credit hours		
GENERAL DEGREE REQUIREMENT			
Humanities:	12 credit hours in Humanities		
Writing:	Minimum 3 credit hours of Academic Writing.		
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.		
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.		
MAJOR REQUIREMENT			
Single Major:	Minimum 33 credit hours/Maximum 48 credit hours in Major subject.		
Double Major:	33 credit hours in Chemistry and specified number of credit hours in the other department/program.		
Required courses:			
CHEM-1111(3)	Introduction to the Chemical Properties of Matter	CHEM-2302(3)	Quantitative Chemical Analysis
CHEM-1112(3)	Basic Principles of Chemical Reactivity	CHEM-2401(3)	Inorganic Chemistry I
CHEM-2102(3)	Thermodynamics and Kinetics	MATH-1101(6)	Introduction to Calculus
OR CHEM-2103(3)	Atoms, Molecules and Spectroscopy	OR MATH-1103(3)	Introduction to Calculus I
CHEM-2202(3)	Organic Chemistry I	AND MATH-1104(3)	Introduction to Calculus II
CHEM-2203(3)	Organic Chemistry II	PHYS-1101(6)	Foundations of Physics I
		OR PHYS-1301(6)	Introduction to Physics

Plus an additional 12 credit hours of 2000-, 3000-, and/or 4000-level Chemistry courses.

Combined Major:

Prescribed Courses:

15 credit hours from CHEM-2102(3) Thermodynamics, CHEM-2202(3) Organic Chemistry I, CHEM-2203(3) Organic Chemistry II, CHEM-2302(3) Quantitative Chemical Analysis, CHEM-2401(3) Inorganic Chemistry I.

3 credit hours from CHEM-3101(3) Physical Chemistry of Condensed Phases, CHEM-3102(3) Quantum Chemistry, CHEM-3202(3) Reaction Mechanisms in Organic Chemistry, CHEM-3204(3) Organic Structure Determination, CHEM-3205(3) Organic Synthesis, CHEM-3302(3) Methods of Chemical Analysis, CHEM-3401(3) Inorganic Chemistry II, CHEM-3502(3) Intermediate Biochemistry I, CHEM-3503(3) Intermediate Biochemistry II, CHEM-3601(3) Environmental Chemistry, CHEM-3801(3) Polymer Chemistry.

Students must complete a Declaration of Major in a three-year Degree Program form, available from Student Services, before entering Year 2 of their studies.

Students are advised to consult with the Department when planning their studies.

REQUIREMENTS FOR THE 3-YEAR BSc IN CHEMISTRY WITH A BUSINESS STREAM

Students must complete the requirements of the 3-year BSc in Chemistry degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR THE 4-YEAR BSc IN CHEMISTRY

ADMISSION REQUIREMENT	Students must consult with a department advisor when planning their studies.
GRADUATION REQUIREMENT	120 credit hours, that is, 90 credit hours meeting the requirements for the 3-Year BSc plus 30 additional credit hours.
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	

Humanities: 12 credit hours in Humanities.
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 54 credit hours/Maximum 78 credit hours in the Major subject.
Maximum total of cognate and major courses is 84 credit hours combined.
Double Major: Minimum 54 credit hours in Chemistry and specified number of credit hours in other Major.

Required courses:

CHEM-1111(3) Introduction to the Chemical Properties of Matter	CHEM-2502(3) Introduction to Biochemistry OR CHEM-3502(3) Intermediate Biochemistry I
CHEM-1112(3) Basic Principles of Chemical Reactivity	CHEM-3302(3) Methods of Chemical Analysis
CHEM-2102(3) Thermodynamics and Kinetics	CHEM-3401(3) Inorganic Chemistry II: Coordination Chemistry
CHEM-2103(3) Atoms, Molecules and Spectroscopy	MATH-1101(6) Introduction to Calculus
CHEM-2202(3) Organic Chemistry I	OR MATH-1103(3) Introduction to Calculus I
CHEM-2203(3) Organic Chemistry II	AND MATH-1104(3) Introduction to Calculus II
CHEM-2302(3) Quantitative Chemical Analysis	PHYS-1101(6) Foundations of Physics I
CHEM-2401(3) Inorganic Chemistry I	OR PHYS-1301(6) Introduction to Physics

Minimum 3 credit hours selected from the following courses:

PSYC-2101(3) Introduction to Data Analysis
STAT-1301(3) Statistical Analysis I **OR STAT-1302(3)** Statistical Analysis II (or the former STAT-1201(6) Introduction to Statistical Analysis)
STAT-1501(3) Elementary Statistics for Biological and Health Sciences I
Any Mathematics course numbered 2000 or above (MATH-2xxx) with the exceptions of MATH-2901(3) (History of Calculus) and MATH-2801(6) (Fundamentals of Computing).

Plus an additional 21 credit hours of 2000-, 3000- and/or 4000-level Chemistry courses.

Selection of Chemistry Courses: The 4-Year major requires a minimum of 54 credit hours in Chemistry. Since some senior courses are given in alternate years, all 4-Year majors are urged to seek academic advising within the Department **EACH YEAR** to avoid potential scheduling problems.

The following pattern of Chemistry courses is suggested:

Year 1 - 6 credit hours: **CHEM-1111(3)** Introduction to the Chemical Properties of Matter; **CHEM-1112(3)** Basic Principles of Chemical Reactivity.

Year 2 - 12 to 18 credit hours of the following required courses: **CHEM-2102(3)** Thermodynamics and Kinetics; **CHEM-2103(3)** Atoms, Molecules and Spectroscopy; **CHEM-2202(3)** Organic Chemistry I; **CHEM-2203(3)** Organic Chemistry II; **CHEM-2302(3)** Quantitative Chemical Analysis; **CHEM-2401(3)** Inorganic Chemistry I; **CHEM-2502(3)** Introduction to Biochemistry; **CHEM-3302(3)** Methods of Chemical Analysis; **CHEM-3401(3)** Inorganic Chemistry II.

Note: If **CHEM-3401(3)** is selected then **CHEM-2202(3)** and **CHEM-2203(3)** must also be taken in Year 2. Students are advised to consult with the Department.

Year 3 - 18 credit hours in Chemistry, including the required courses that were not taken in Year 2.

Year 4 - 18 credit hours in Chemistry.

Note: A student would normally specialize in one or more areas of Chemistry (Analytical, Organic, Physical, Inorganic, Biochemistry) in Years 3 and 4 and should seek advice concerning course selection.

Note: It is recommended the following be taken in :

Year 1: **MATH-1101(6)** Introduction to Calculus **OR** the equivalent **MATH-1103(3)** Introduction to Calculus I
AND MATH-1104(3) Introduction to Calculus II

Year 1 or 2: **PHYS-1101(6)** Foundations of Physics I **OR PHYS-1301(6)** Introduction to Physics

Students must complete a 4-Year BSc Degree form, available from Student Services.

Combined Major:

Prescribed Courses:

15 credit hours from CHEM-2202(3) Organic Chemistry I, CHEM-2203(3) Organic Chemistry II, CHEM-2101(3) Thermodynamics, CHEM-2302(3) Quantitative Chemical Analysis, CHEM-2401(3) Inorganic Chemistry I.

3 credit hours from CHEM-3101(3) Physical Chemistry of Condensed Phases, CHEM-3102(3) Quantum Chemistry, CHEM-3202(3) Reaction Mechanisms in Organic Chemistry, CHEM-3204(3) Organic Structure Determination, CHEM-3205(3) Organic Synthesis, CHEM-3302(3) Methods of Chemical Analysis, CHEM-3401(3) Inorganic Chemistry II, CHEM-3502(3) Intermediate Biochemistry I, CHEM-3503(3) Intermediate Biochemistry II, CHEM-3601(3) Environmental Chemistry, CHEM-3801(3) Polymer Chemistry.

REQUIREMENTS FOR THE 4-YEAR BSc IN CHEMISTRY WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Chemistry degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR THE BSc (HONOURS) IN CHEMISTRY

ADMISSION REQUIREMENT

Students must have completed 30 credit hours.
Students must consult with and have the approval of the Department Chair or the Chair's designate when planning their studies.

GRADUATION REQUIREMENT

Graduation GPA Requirement:

120 credit hours
To graduate with a BSc (Honours), students must have a minimum GPA of 3.0 on all major (Chemistry) courses which will be calculated on all course attempts in the major, and a minimum GPA of 2.75 on all non-major courses which will be calculated as for the general degree.

RESIDENCE REQUIREMENT

Degree:
Honours:

Minimum 60 credit hours
Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities:
Writing:
Maximum Introductory Courses:

12 credit hours in Humanities.
Minimum 3 credit hours of Academic Writing.
Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Minimum three (3) credit hours from each of five (5) different subjects.

Distribution:

HONOURS REQUIREMENT

Single Honours:

Minimum 60 credit hours in the Major subject.
Minimum 30 credit hours in upper-level (3000 and 4000) Honours subject courses of which a minimum of 12 credit hours must be at the 4000 level.

Required courses:

CHEM-1111(3) Introduction to the Chemical Properties of Matter	CHEM-3302(3) Methods of Chemical Analysis
CHEM-1112(3) Basic Principles of Chemical Reactivity	CHEM-3401(3) Inorganic Chemistry II
CHEM-2102(3) Thermodynamics and Kinetics	CHEM-4302(3) Instrumentation for Quantitative Analysis
CHEM-2103(3) Atoms, Molecules and Spectroscopy	CHEM-4303(3) Analytical Separations
CHEM-2202(3) Organic Chemistry I	CHEM-4701(6) Research Projects in Chemistry
CHEM-2203(3) Organic Chemistry II	MATH-1101(6) Introduction to Calculus
CHEM-2302(3) Quantitative Chemical Analysis	OR MATH-1103(3) Introduction to Calculus I
CHEM-2401(3) Inorganic Chemistry I	AND MATH-1104(3) Introduction to Calculus II
CHEM-2502(3) Introduction to Biochemistry	PHYS-1101(6) Foundations of Physics I
OR CHEM-3502(3) Intermediate Biochemistry I	OR PHYS-1301(6) Introduction to Physics

Minimum 3 credit hours selected from the following courses:

- PSYC-2101(3)** Introduction to Data Analysis
STAT-1301(3) Statistical Analysis I **OR STAT-1302(3)** Statistical Analysis II (**OR** the former **STAT-1201(6)** Intro to Stat Analysis)
STAT-1501(3) Elementary Statistics for Biological and Health Sciences I

Any Mathematics course numbered 2000 or above (MATH-2xxx) with the exceptions of MATH-2901(3) (History of Calculus) and MATH-2801(6) (Fundamentals of Computing). Plus an additional 15 credit hours of 2000-, 3000- and/or 4000 level Chemistry courses.

Plus an additional 18 credit hours selected from at least 2 departments and from the following list:

BIOL-1115(3) Cells and Cellular Process	MATH-2102(3) Differential Equations I
BIOL-1116(3) Evolution, Ecology and Biodiversity	MATH-2103(3) Differential Equations II
BIOL-2301(3) Genetics	MATH-2203(3) Linear Algebra II
BIOL-3303(3) Molecular Genetics and Genomics	MATH-3101(6) Advanced Calculus
BIOL-3221(3) Cell Biology	PHYS-2105 (3) Mathematical Physics I
BIOL-3901(3) Microorganisms and Disease	PHYS-2106 (3) Mathematical Physics II
GEOG-1201(3) Introductory Atmospheric Science	PHYS-2201(6) Electricity and Magnetism
GEOG-1202(3) Introductory Earth Science	PHYS-2302(6) Foundations of Physics II
GEOG-2213(3) Introductory Soil Science	STAT-1301 (3) Statistical Analysis I and
GEOG-2214(3) Soil-Vegetation Systems	STAT-1302 (3) Statistical Analysis II or the former
MATH-1201(3) Linear Algebra I	STAT-1201 (6) Introduction to Statistical Analysis
MATH-2101(6) Intermediate Calculus	

STAT-2001(3) Statistical Analysis for Chemists and Biologists

STAT-2501(3) Statistical Quality Control
STAT-2903(3) Introduction to Statistical Computing

Students must complete an Honours BSc Degree form, available from Student Services.

REQUIREMENTS FOR THE HONOURS BSc IN CHEMISTRY WITH A BUSINESS STREAM

Students must complete the requirements of the Honours BSc in Chemistry degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR THE UNIVERSITY OF WINNIPEG / RED RIVER COLLEGE 4-YEAR BSc (JOINT PROGRAM IN APPLIED CHEMISTRY)

INTRODUCTION

This is a joint degree program whereby students take courses at both The University of Winnipeg and Red River College in a prescribed sequence.

Students are required to complete courses at both institutions. Students will begin their program of study by completing 60 credit hours of course work at The University of Winnipeg. The next 30 credit hours are completed at Red River College and then students return to The University of Winnipeg to complete the final 30 credit hours. Students successfully completing the entire program will receive a joint degree parchment from Red River College and The University of Winnipeg. **N.B. Transfer of courses between institutions applies only to students who are officially registered in the joint program.**

ADMISSION REQUIREMENT

Students must meet the entrance requirements for admission to The University of Winnipeg. Applications to the program in Applied Chemistry must be completed through the Admissions Office of The University of Winnipeg by March 1st in order to enter the program in September.

GRADUATION REQUIREMENT

120 credit hours, that is, 90 credit hours meeting the requirements for the BSc General plus 30 additional credit hours.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities.
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

Required Courses: (These are the Core courses for all Applied Chemistry BSc students)

UW COURSES

CHEM-1111(3) Introduction to the Chemical Properties of Matter
CHEM-1112(3) Basic Principles of Chemical Reactivity
CHEM-2102(3) Thermodynamics and Kinetics
CHEM-2103(3) Atoms, Molecules and Spectroscopy
CHEM-2202(3) Organic Chemistry I
CHEM-2203(3) Organic Chemistry II
CHEM-2302(3) Quantitative Chemical Analysis
CHEM-2401(3) Inorganic Chemistry I
CHEM-3302(3) Methods of Chemical Analysis
CHEM-3401(3) Inorganic Chemistry II: Coordination Chemistry
CHEM-3601(3) Environmental Chemistry
CHEM-4302(3) Instrumentation for Quantitative Analysis

CHEM-4303 (3) Analytical Separations

PLUS

BIOL-1115(3) Cells and Cellular Process
BIOL-1116(3) Evolution, Ecology and Biodiversity
RHET-1103(3) Academic Writing: Sciences
MATH-1101(6) Introduction to Calculus
OR MATH-1103(3) Introduction to Calculus I
AND MATH-1104(3) Introduction to Calculus II
PHYS-1301(6) Introduction to Physics
 PLUS
12 Credit hours Humanities
18 Credit hours Electives

RRC COURSES

CBST-1014 Microbiology 1
CBST-1025 Data Analysis
CBST-1031 Introductory Biochemistry
CBST-1040 Quality Systems
CBST-1041 Regulatory Compliance
CBST-1070 Principles of Hazardous Materials Management
CBST-1090 Introductory Statistics
CBST-2017 Microbiology 2
CBST-3001 Advanced Biochemistry
ENVI-1011 Environmental Chemistry/Toxicology

The following pattern of courses is suggested:

4-Year Program	
Year 1 - University of Winnipeg	Year 2 - University of Winnipeg
CHEM-1111(3) Introduction to the Chemical Properties of Matter CHEM-1112(3) Basic Principles of Chemical Reactivity BIOL-1115(3) Cells and Cellular Processes BIOL-1116(3) Evolution, Ecology and Biodiversity RHET-1103(3) Academic Writing: Sciences MATH-1101(6) Introduction to Calculus OR the equivalent MATH-1103(3) Introduction to Calculus I AND MATH-1104(3) Introduction to Calculus II PHYS-1301(6) Introduction to Physics 3 Credit hours Humanities	CHEM-2102(3) Thermodynamics and Kinetics CHEM-2103(3) Atoms, Molecules and Spectroscopy CHEM-2202(3) Organic Chemistry I CHEM-2203(3) Organic Chemistry II CHEM-2302(3) Quantitative Chemical Analysis CHEM-3302(3) Methods of Chemical Analysis 6 Credit hours Electives 6 Credit hours Humanities
Year 3 - Red River College	Year 4 - University of Winnipeg
CBST-1014 Microbiology 1 CBST-1025 Data Analysis CBST-1031 Introductory Biochemistry CBST-1040 Quality Systems CBST-1041 Regulatory Compliance CBST-1070 Principles of Hazardous Materials Management CBST-1090 Introductory Statistics CBST-2017 Microbiology 2 CBST-3001 Advanced Biochemistry ENVI-1011 Environmental Chemistry/Toxicology	CHEM-2401(3) Inorganic Chemistry I CHEM-3401(3) Inorganic Chemistry II: Coordination Chemistry CHEM-3601(3) Environmental Chemistry CHEM-4302(3) Instrumentation for Quantitative Analysis CHEM-4303 (3) Analytical Separations 3 Credit hours Humanities 12 Credit hours Electives

COURSE LISTINGS

Students should consult the appropriate Timetable, available from the Records Office for courses to be offered during the current term. A number of senior courses are offered on a rotation basis and are given in alternate years. Students are advised to consult with the Department in advance when planning their curriculum.

CHEM-0100(3) Foundations of Chemistry

CHEM-1111(3)	Introduction to the Chemical Properties of Matter	CHEM-3401(3)	Inorganic Chemistry II: Coordination Chemistry
CHEM-1112(3)	Basic Principles of Chemical Reactivity	CHEM-3502(3)	Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules
CHEM-1801(3)	Headline Chemistry News	CHEM-3503(3)	Intermediate Biochemistry II: Intermediary Metabolism
CHEM-2102(3)	Thermodynamics and Kinetics	CHEM-3601(3)	Environmental Chemistry
CHEM-2103(3)	Atoms, Molecules and Spectroscopy	CHEM/ENV-3611(3)	Environmental Toxicology
CHEM-2202(3)	Organic Chemistry I	CHEM-3701(P)	Directed Studies in Chemistry
CHEM-2203(3)	Organic Chemistry II	CHEM-3801(3)	Polymer Chemistry
CHEM-2302(3)	Quantitative Chemical Analysis	CHEM-4101(3)	Molecular Structure, Spectroscopy, and Reactivity
CHEM-2401(3)	Inorganic Chemistry I	CHEM-4204(3)	Medicinal Chemistry
CHEM-2502(3)	Introduction to Biochemistry	CHEM-4302(3)	Instrumentation for Quantitative Analysis
CHEM-2701(3)	Computer Techniques and Applications for Chemistry	CHEM-4303(3)	Analytical Separations
CHEM-2801(3)	Chemistry and Society	CHEM-4401(3)	Inorganic Chemistry III: Organometallic Chemistry
CHEM-3101(3)	Physical Chemistry of Condensed Phases	CHEM-4502(3)	Molecular Enzymology
CHEM-3102(3)	Quantum Chemistry and Spectroscopy	CHEM-4506(3)	Methods in Biochemistry
CHEM-3202(3)	Reaction Mechanisms in Organic Chemistry	CHEM-4701(6)	Research Projects in Chemistry
CHEM-3204(3)	Organic Structure Determination	CHEM-4703(3)	Topics in Chemistry
CHEM-3205(3)	Organic Synthesis		
CHEM-3206(3)	Advanced Organic Chemistry Laboratory		
CHEM-3302(3)	Methods of Chemical Analysis		

COURSE DESCRIPTIONS

CHEM-0100(3) FOUNDATIONS OF CHEMISTRY (Le3) The purpose of this course is to prepare students for CHEM-1111(3) Introduction to the Chemical Properties of Matter and CHEM-1112(3) Basic Principles of Chemical Reactivity. Topics include the characterization of chemical substances, chemical reactions, chemical quantities, and chemical systems. Standing in this course will satisfy the prerequisites for CHEM-1111(3) and CHEM-1112(3) (in place of Chemistry 40S, Pre-Calculus Mathematics 40S, and/or Applied Mathematics 40S). Non-science majors wishing to take a chemistry course for science credit should take CHEM-2801(3) Chemistry and Society.

RESTRICTION: Students with standing in CHEM-1111(3), CHEM-1112(3), or the former CHEM-1101(6) cannot register for this course. This course CANNOT be used as a credit towards the Chemistry or Biochemistry majors.

CHEM-1111(3) INTRODUCTION TO THE CHEMICAL PROPERTIES OF MATTER (Le3, La3) This includes an introduction to atomic and molecular structure, chemical bonding, chemical reactivity, to the bulk properties of matter, and the descriptive chemistry of elements. The laboratory component introduces students to basic chemistry laboratory practice and techniques. The fundamental concepts of chemical reactivity covered in this course and CHEM-1112(3) provide the essential foundation for students who wish to continue with Chemistry or Biochemistry as a major, and for students of Biology, Physics, Physical Geography, Environmental Studies, and Experimental Psychology.

PREREQUISITES: Chemistry 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S; or CHEM-0100(3).

RESTRICTION: Students with standing in the former CHEM 1101(6) will not receive credit for this course.

CHEM-1112(3) BASIC PRINCIPLES OF CHEMICAL REACTIVITY (Le3, La3) This course includes an introduction to chemical kinetics, chemical thermodynamics and equilibrium, and to acid/base and oxidation/reduction chemical reactions. The laboratory component introduces students to some of the basic techniques of practical chemistry. The fundamental concepts of chemical reactivity covered in this course and CHEM-1111(3) provide the essential foundation for students who wish to continue with Chemistry or Biochemistry as a major, and for students of Biology, Physics, Physical Geography, Environmental Studies, and Experimental Psychology.

PREREQUISITE: Chemistry 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S; or CHEM-0100(3).

RESTRICTION: Students with standing in the former CHEM-1101(6) will not receive credit for this course.

CHEM-1801(3) HEADLINE CHEMISTRY NEWS (Le3)

This course provides students with a basic understanding of (chemical) science issues in the news. As concerns over our health, food, environment and economy receive expanding media coverage, we are frequently left with an incomplete scientific understanding of the issues. In this course, experts from the Department of Chemistry (and beyond) translate the chemistry behind the issues of the day into accessible and understandable facts. The course content varies with time in order to remain current, with details outlined on the departmental web-site. CHEM-1801(3) may be used to fulfill the Science requirement for the BA degree.

CHEM-2102(3) THERMODYNAMICS AND KINETICS (Le3, La3) This course describes the principles and applications of thermodynamics, and the rates and mechanisms of chemical reactions. Laboratory work consists of experiments in the thermodynamics and kinetics of gases and solutions, and computer applications in data analysis and problem solving.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)) and MATH-1103(3) and MATH-1104(3) or MATH 1101(6)).

RESTRICTION: Students with standing in the former CHEM-2101(6) will not receive credit for this course.

CHEM-2103(3) ATOMS, MOLECULES AND SPECTROSCOPY (Le3, La3) This course is an introduction to quantum chemistry, with applications in atomic and molecular structure and spectroscopy. Laboratory work consists of experiments in molecular spectroscopy and computational methods for determining molecular structures and properties.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)) and MATH-1103(3) and MATH-1104(3) or MATH-1101(6)).

RESTRICTION: Students with standing in the former CHEM-2101(6) will not receive credit for this course.

CHEM-2202(3) ORGANIC CHEMISTRY I (Le3, La3) This course is an introductory study of aliphatic carbon compounds. Topics to be covered include bonding;

hybridization; resonance; acids and bases; the structure, nomenclature, synthesis and reactions of alkanes, alkenes, alkynes, alkyl halides, alcohols, ethers and amines; the stereo chemistry of organic compounds; and, nucleophilic substitution and elimination reactions and their use in organic synthesis. The laboratory includes an introduction to techniques commonly used in organic chemistry, through the preparation, purification and characterization of organic compounds.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)).

NOTE: CHEM-1111(3) may be used as a corequisite provided a minimum grade of 75 or equivalent was obtained in Chemistry 40S.

RESTRICTION: Students with standing in the former CHEM-2201(6) will not receive credit for this course.

CHEM-2203(3) ORGANIC CHEMISTRY II (Le3, La3) This course is an introductory study of the chemistry and structural identification of common aliphatic and aromatic organic compounds. Topics include the structure, nomenclature, synthesis and reactions of aromatic hydrocarbons, phenols, aldehydes, ketones, enolates, carboxylic acids, sulfur- and phosphorus-containing compounds, and free-radicals. Spectroscopic instrumentation for structure determination is discussed, with an emphasis on infra-red (IR) and nuclear magnetic resonance (NMR) spectroscopy, and mass spectrometry (MS). The laboratory includes an introduction to techniques commonly used in organic chemistry, through the preparation, purification and characterization of compounds.

PREREQUISITE: CHEM-2202(3).

NOTE: CHEM-1112(3) may be used as a corequisite provided a minimum grade of 75 or equivalent was obtained in Chemistry 40S.

RESTRICTION: Students with standing in the former CHEM-2201(6) will not receive credit for this course.

CHEM-2302(3) QUANTITATIVE CHEMICAL ANALYSIS (Le3, La3) This is a first course in analytical chemistry which examines ionic equilibria in aqueous solutions and their use in chemical analysis. This course covers both volumetric and gravimetric analysis with a detailed examination of the pertinent equilibria involved in precipitation, acid-base, and complexometric systems. The lab consists of a series of experiments designed to develop strong analytical techniques.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)).

RESTRICTION: Students with standing in the former CHEM-2301(6) will not receive credit for this course.

CHEM-2401(3) INORGANIC CHEMISTRY I (Le3, La3) This course provides an introduction to Inorganic Chemistry with a focus on fundamental concepts. The first part of the course deals with understanding and predicting molecular bonding and structure with examples taken mostly from the main group. The second part of the course deals with understanding and explaining the trends in chemical behaviour with emphasis being placed on the main group elements. Laboratory work demonstrates reactivity trends discussed in lecture and introduces the techniques associated with the synthesis and characterization of main group compounds.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)).

RESTRICTION: Students with standing in the former CHEM-3402(3) may not receive credit for this course.

CHEM-2502(3) INTRODUCTION TO BIOCHEMISTRY (Le3, La3) This is an introductory course in biochemistry. Topics include: the structural characteristics and biological

properties of biomolecules (carbohydrates, lipids, proteins, and nucleic acids); basic enzymology; and metabolism. Examples of the application of the principles of biochemistry to the study and treatment of human diseases are discussed.

PREREQUISITES: CHEM-1111(3), CHEM-1112(3), and CHEM-2202(3)

COREREQUISITE: CHEM-2202(3) may be taken as a corequisite.

RESTRICTION: Students with standing in the former CHEM-2501(3) may not receive credit for this course. Students with a B or higher in CHEM-3502(3) or CHEM-3503(3) may not receive credit for this course.

CHEM-2701(3) COMPUTER TECHNIQUES AND APPLICATIONS FOR CHEMISTRY (Le3, La3) This course introduces students to computer applications in the field of Chemistry. Topics include data handling; basic statistical analysis; graphing; drawing chemical structures, equations, and diagrams; computations; molecular modelling and minimum energies; and the incorporation of diagrams, graphs, molecular structures, and equations directly into scientific documents.

PREREQUISITE: Minimum grade of C in both CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)).

CHEM-2801(3) CHEMISTRY AND SOCIETY (Le3) The course begins with an introduction to the fundamentals of chemistry, including atomic structure, the nature of chemical bonds, nomenclature, and an introduction to chemical reactions. These fundamentals are then applied to examine a selected range of topics in the environmental, consumer, and health related areas. Topics such as plastics and recycling, food chemistry, pesticides, drugs, detergents, global warming and/or acid rain are examined from a chemical perspective.

PREREQUISITE: Chemistry 40S or ENV-1600(3) or permission of instructor.

RESTRICTION: Student with standing in the former CHEM-2601(6) will not receive credit for this course.

Notes: CHEM-2801(3) may be used to fulfil the Science requirement for the BA degree. It can also be used for credit towards the Chemistry major in the 5-Year BEd/BSc degree.

THIS COURSE IS NOT DESIGNED FOR CHEMISTRY MAJORS. CHEM-2801(3) **CANNOT** be used for credit towards the Chemistry or Biochemistry majors.

CHEM-3101(3) PHYSICAL CHEMISTRY OF CONDENSED PHASES (Le3) This course examines the thermodynamics, structures, and physical properties of liquids, solids and surfaces. Topics include phase transitions, chemical reactions, ionic solutions, and transport properties (conductivity, diffusion, viscous flow, surface tension, and capillarity).

PREREQUISITE: CHEM-2102(3) or permission of instructor.

CHEM-3102(3) QUANTUM CHEMISTRY AND SPECTROSCOPY (Le3) This course examines the quantum theory of chemical bonding, molecular properties, and spectroscopy.

PREREQUISITE: CHEM-2103(3).

CHEM-3202(3) REACTION MECHANISMS IN ORGANIC CHEMISTRY (Le3) This course deals with the application of physical chemical principles to organic compounds and their reactions. It includes topics such as the effects of structure on reactivity, heterolytic reaction mechanisms, acidity functions, catalysis, solvent effects, and isotope effects.

PREREQUISITES: CHEM-2202(3) and CHEM-2203(3) (or the former CHEM-2201(6)).

RESTRICTION: Students with standing in the former CHEM-3201(6) will not receive credit for this course.

CHEM-3204(3) ORGANIC STRUCTURE DETERMINATION

(Le3) This course teaches the application of spectroscopic techniques (1D and 2D multinuclear NMR, IR, MS, UV) to organic structure determination. Classical methods still in common use are briefly covered.

PREREQUISITES: CHEM-2202(3) and CHEM-2203(3) (or the former CHEM-2201(6)).

RESTRICTION: Students with standing in the former CHEM-3201(6) will not receive credit for this course.

CHEM-3205(3) ORGANIC SYNTHESIS (Le3) This course deals with the synthesis of organic compounds. Topics include synthetic strategies, conformational analysis, use of protecting groups, and chiral induction. Molecular orbital theory will be introduced and applied to the study of pericyclic reactions.

PREREQUISITE: CHEM-2202(3) and CHEM-2203(3) (or the former CHEM-2301(6)).

RESTRICTION: Students with standing in the former CHEM-4202(3) will not receive credit for this course.

CHEM-3206(3) ADVANCED ORGANIC CHEMISTRY LABORATORY (La6)

This course provides students with advanced laboratory experience in Organic Chemistry. Students are exposed to the theory and application of methods for experimental design; purification of reagents; working with air/moisture sensitive reagents; and, the isolation, purification and identification of natural products. Students set up and conduct several experiments and formulate reports on their work.

PREREQUISITE: Minimum grade of C in CHEM-2203(3).

COREREQUISITE: None.

CHEM-3302(3) METHODS OF CHEMICAL ANALYSIS

(Le3, La3) This course introduces students to the procedures of analytical chemistry including sampling, preparation of the sample for analysis, instrument calibration, and statistical treatment of data. Specific analytical methods discussed include electrochemistry and atomic and molecular spectroscopy. This involves a series of analyses using instrumental techniques.

PREREQUISITE: CHEM-2302(3).

RESTRICTION: Students with standing in the former CHEM-2301(6) will not receive credit for this course.

CHEM-3401(3) INORGANIC CHEMISTRY II: COORDINATION CHEMISTRY (Le3, La3)

This course examines the bonding, structure, and reactivity of coordination compounds of the transition metals. Building on the fundamentals covered in CHEM-2401, we discuss the nature of the metal-ligand bond, including its effect on physical and chemical properties of metal complexes. General trends in transition metal coordination chemistry are examined with an emphasis on understanding and predicting the reactivity and structures of coordination compounds. Laboratory work involves synthesis and characterization of transition metal coordination compounds.

PREREQUISITE: CHEM-2202(3) (or the former CHEM-2404(3)), and CHEM-2401(3).

COREREQUISITE: CHEM-2203(3).

RESTRICTION: Students with standing in the former CHEM-3402(3) or CHEM-3404(3) will not receive credit for this course.

CHEM-3502(3) INTERMEDIATE BIOCHEMISTRY I: STRUCTURE, FUNCTION, AND ENERGETICS OF BIOMOLECULES (Le3, La3)

Topics to be examined in this course include the structure and function of biomolecules, including carbohydrates, lipids, nucleic acids, proteins, and "high energy" phosphate compounds (emphasizing the inter-relationship of structure and function); mechanisms and kinetics of enzyme-catalyzed reactions; membrane transport; and bioenergetics.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)) and CHEM-2202(3) (or the former CHEM-2201(6)) and BIOL-1115(3) (or the former BIOL-1111(6)).

NOTE: CHEM-2202(3) may be used as a corequisite providing that a minimum grade of B+ was obtained in CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)).

RESTRICTION: Students with standing in the former CHEM-3501(6) will not receive credit for this course.

CHEM-3503(3) INTERMEDIATE BIOCHEMISTRY II: INTERMEDIARY METABOLISM (Le3, La3)

This course examines major catabolic and anabolic pathways, and their regulation and integration.

PREREQUISITE: CHEM-3502(3).

NOTE: CHEM-2203(3) may be used as a corequisite providing that a minimum grade of B+ was obtained in CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)).

RESTRICTION: Students with standing in the former CHEM-3501(6) will not receive credit for this course.

CHEM-3601(3) ENVIRONMENTAL CHEMISTRY (Le3)

This course in environmental organic chemistry describes the properties, partitioning behaviour and reactivity of organic contaminants and their influence on the distribution, transport and fate of the chemical in the environment. Recent literature is used to discuss current issues in environmental chemistry, with an emphasis on long-range transport and global distribution of persistent, toxic and bioaccumulative contaminants.

PREREQUISITES: CHEM-2202(3) and CHEM-2203(3) (or the former CHEM-2201(6)) and CHEM-2302(3) (or the former CHEM-2301(6)) or permission of the instructor.

CHEM/ENV-3611(3) ENVIRONMENTAL TOXICOLOGY

(Le3) This course provides an understanding of how and why chemicals may damage humans and other organisms. Students learn basic principles of toxicology and environmental chemical exposure, and detailed analysis of the body's defenses against toxicants and the physiological and/or biochemical mechanisms by which toxicants cause effects. Toxicological modeling and environmental risk assessment are introduced. Students apply these principles to explore emerging topics of interest in their own disciplines.

PREREQUISITES: CHEM-2202 (3) and CHEM-2203 (3) or the former CHEM-2201 (6).

CHEM-3701(3) DIRECTED STUDIES IN CHEMISTRY (P)

This course is designed to allow students the opportunity to conduct individual research under the supervision of a faculty member. The study may take the form of a literature review, may be experimental in nature or may involve analysis of existing data. Permission to enrol is dependent on the availability of a suitable faculty member and the approval of the Chair of Chemistry.

PREREQUISITES: Students should normally have completed 12 credit hours of Chemistry courses.

RESTRICTION: Enrolment in this course is limited by the availability of faculty to serve as supervisors. Students must obtain written permission from the Department Chair to register for the course **in addition to** the prerequisite.

CHEM-3801(3) POLYMER CHEMISTRY (Le3) This course includes the synthesis of organic and inorganic polymers, reaction mechanisms, structure determination, polymer modification and design of polymers for specific applications.

PREREQUISITES: CHEM-2202(3) and CHEM-2203(3) (or the former CHEM-2201(6)).

CHEM-4101(3) MOLECULAR STRUCTURE, SPECTROSCOPY, AND REACTIVITY (Le3)

This course

examines modern topics in physical chemistry such as the quantum theory of molecular structure and reactivity, laser chemistry, nuclear magnetic resonance, and materials science.

PREREQUISITE: CHEM-2103(3).

CHEM-4204(3) MEDICINAL CHEMISTRY (Le3) This course deals with an introduction to pharmaceuticals from natural sources and their biosynthetic origin. This also includes various methods of synthesis, and studies on structure-activity relationships of anti-inflammatory, anti-cancer and anti-microbial chemotherapeutic agents.

PREREQUISITES: CHEM-2202(3) and CHEM-2203(3).

CHEM-4302(3) INSTRUMENTATION FOR QUANTITATIVE ANALYSIS (Le3) This course discusses the basic electronic principles and design of instrumentation for molecular and atomic spectroscopy as well as quantitative mass spectrometry. Students taking this course gain an appreciation of a variety of topics including basic electronics, signal acquisition, noise and signal enhancement. Apart from the classroom, students also participate in practical demonstrations in the laboratory. Theory and applications for a variety of techniques available in this course include the following: atomic absorption and atomic emission spectroscopy, atomic mass spectrometry and x-ray fluorescence.

PREREQUISITES: CHEM-2302(3) and CHEM-3302(3).

RESTRICTION: Students with standing in the former CHEM-4301(6) may not receive credit for this course.

CHEM-4303 (3) ANALYTICAL SEPARATIONS (Le3, La3)

The crucial role of analytical separations in chemistry and biochemistry, both qualitative and quantitative, is discussed in detail. Theoretical background, principles of instrumentation, and applications are detailed for important chromatographic and mass spectrometric techniques for chemical isolation and identification. The laboratory exercises provide a unique opportunity to gain practical experience with modern techniques, including gas and liquid chromatography and mass spectrometry.

PREREQUISITES: CHEM-2202(3) and CHEM-2203(3) (or the former CHEM-2201(6)) and CHEM-3302(3) (or the former CHEM-2301(6)).

RESTRICTION: Students with standing in the former CHEM-4301(6) may not receive credit for this course.

CHEM-4401(3) INORGANIC CHEMISTRY III:

ORGANOMETALLIC CHEMISTRY (Le3) The bonding, structure and reactivity of compounds containing metal-carbon bonds are examined. Emphasis is on the reactions of organo-transition metal compounds and their use in the development of modern industrial catalysts.

PREREQUISITE: CHEM-3401(3) (or the former CHEM-3404(3)).

RESTRICTION: Students with standing in the former CHEM-4402(6) may not receive credit for this course.

CHEM-4502(3) MOLECULAR ENZYMOLOGY (Le3) This course examines aspects of the structure, function, and regulation of enzymes. Topics include the inter-relationship of enzyme structure and function, current theories of the chemical basis of enzyme catalysis, enzyme kinetics, and the regulation of enzyme activity. Applications of our current understanding of enzyme biochemistry are discussed.

PREREQUISITE: CHEM-3503(3) (or the former CHEM-3501(6)).

CHEM-4506(3) METHODS IN BIOCHEMISTRY (Le3, La3)

This course examines the application of physical methods to problems of biochemical interest. Topics to be covered include the isolation and stabilization of proteins; sub-cellular fractionation; methods for the assay of protein activity; the

determination of enzyme kinetic parameters; purification and analysis of biomolecules (especially proteins) by selective precipitation (varying pH, salt concentration, and solvent), liquid chromatography (ion exchange, gel filtration, and affinity chromatography) and electrophoresis (slab gel and capillary); ultracentrifugation; and, biochemical applications of the use of radioisotopes. Although emphasis is placed on the application of these techniques to proteins, application to other classes of biomolecules are examined as appropriate.

PREREQUISITES: CHEM-3503(3) (or the former CHEM-3501(6)). CHEM-4502(3) is highly recommended.

CHEM-4701(6) RESEARCH PROJECTS IN CHEMISTRY

(P) This course is designed to allow students to investigate a specific research problem. Students work with a faculty member in a particular area of research while learning the techniques and methodology related to chemical research. Students are strongly urged to consult with the department at least two months in advance of any anticipated registration in this course, as approval for any planned project must be obtained from a specific faculty member as well as from the Department Chair.

PREREQUISITE: Student should normally have completed 30 credit hours of Chemistry courses.

RESTRICTION: Enrolment in this course is limited by the availability of faculty to serve as supervisors. Students must obtain written permission from the Department Chair to register for the course.

CHEM-4703(3) TOPICS IN CHEMISTRY (Le3) Special topics in an area of analytical, environmental, inorganic, organic, physical, or biochemistry are addressed. Please consult the Chemistry Department for the current topic.

RESTRICTION: Written permission from the Department Chair is required to take this course.

EXPERIMENTAL COURSE

CHEM-3104(3) THE CHEMISTRY AND PHYSICS OF CONDENSED MATTER (LE)

This course teaches the basics of the physics and chemistry of solids. Topics covered include crystal structures, reciprocal space, diffraction, lattice vibrations, free electron theory, solid state reactions, semiconductors and the basics of superconductivity and magnetism. Particular emphasis will be focused on modern topics in solid state chemistry and condensed matter physics.

PREREQUISITES: Mathematics 1101(6), and Physics 3301(6) or Chemistry 2102(3)

RESTRICTION: Students with standing in PHYS-4301(3) will not receive credit for this course.

CLASSICS (CLAS)

Greek and Roman Studies

Updated March 13, 2013

Note: The department/program code CLAS replaces the former code 11. Students cannot hold credit in CLAS-xxxx and the former 11.xxxx having the same course number (e.g., CLAS-1010(6) and 11.1010(6)).

Chair: Associate Professor J. Cahill; Professor Emeritus J. I. McDougall; Professor: M. Golden; Associate Professors: M. MacKinnon, P. Ripat; Assistant Professors: M. Gibbs, A. Surtees, C. Whately.

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA
Minor

INTRODUCTION

Classics is the study of Ancient Greek and Roman civilizations in all their aspects. The roots of Modern Western society are to be found in Graeco-Roman culture and its remarkable achievements in art, literature and philosophy. The University of Winnipeg Classics Department is committed to bringing the ancient world to life to illuminate our modern world. The courses offered are designed to provide a broader and deeper understanding of human beings, both as individuals and as members of their society.

Courses in Classics in themselves constitute a liberal education but may also be taken to supplement one or another of a wide range of disciplines. As almost all fields of study were initiated in the Graeco-Roman world, acquaintance with the pioneer efforts of the Greeks and Romans is of real value to anyone wishing to acquire competence in any one of a variety of modern academic programs. Within the Classics Department, you may choose to concentrate on courses in Classical Civilization or on courses which study the Classical languages of Latin and Greek. The Classics Department offers the 3-Year, 4-Year, and Honours BA degrees.

While courses in Classics are not vocationally oriented in the strict sense, they can aid in the attainment of competence in those disciplines or professions that are vocationally oriented. For those planning to enter certain professions, such as law, teaching, medicine, or theology, a knowledge of the classical world can be particularly useful. The Department offers an excellent program for those planning to go on to graduate level studies.

REQUIREMENTS FOR A 3-YEAR BA IN CLASSICS

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours in the Major subject.
Double Major: 30 credit hours in Classics and specified number of credit hours in the other department/program.

Programs of study are available in two different areas: Classical Civilization and Classical Languages (Latin and/or Greek).

Students majoring in Classical Civilization are encouraged (but not required) to take a minimum of 3 credit hours of Introductory Latin (CLAS-1100) or 3 credit hours of Introductory Greek (CLAS-1200).

Students majoring in Classical Languages must have 30 credit hours in Latin and/or Greek.

Students are advised to consult with a member of the Department as to the most desirable program to fit their individual needs.

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

Prescribed courses: To be determined in consultation with the Department.

REQUIREMENTS FOR A 4-YEAR BA IN CLASSICS

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study. Minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 66 credit hours in the Major subject.
Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
Required courses: **CLAS-4400(6)** Thesis

Programs of study are available in two different areas: Classical Civilization and Classical Languages (Latin and/or Greek). Students majoring in Classical Languages must have 36 credit hours in Latin and/or Greek. Students are advised to consult with a member of the Department as to the most desirable program to fit their individual needs, particularly if they wish to combine studies in Classical Civilization and Classical Languages. The thesis topic will be determined in consultation with the department advisor. The thesis will normally be undertaken during the final year of study.

Combined Major: Minimum 60 credit hours from 2 different majors with not less than 24 credit hours from each major subject.

Prescribed courses: To be determined in consultation with the department advisor.

REQUIREMENTS FOR AN HONOURS BA IN CLASSICS (CLASSICAL LANGUAGES)

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.
Entry, continuing, and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.
The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.
The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT 120 credit hours, with minimum 3.0 GPA in Honours subject courses and 2.5 GPA in Non-Honours Subject courses.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.
Minimum 30 credit hours in 4000-level Honours courses.
Double Honours: Minimum 36 credit hours in each Honours subject.
Minimum 24 credit hours in 4000-level Honours courses in the Classics component of the double Honours. For the requirements of the other Honours subject, consult the department involved.

Required Courses for BA Honours in Classics (Classical Languages):
CLAS-4400(6) Thesis

Students, particularly those intending to pursue graduate studies in Classics, are advised to take as many 4000-level courses in the two languages as possible. All 3000-level courses in the two languages are offered at the 4000 level, and will be supplemented for Honours students to meet the requirements of the Honours program.

REQUIREMENTS FOR AN HONOURS BA IN CLASSICS (CLASSICAL CIVILIZATION)

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing, and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT

120 credit hours, with a minimum 3.0 GPA in Honours Subject courses and 2.5 GPA in Non-Honours Subject courses.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours

Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.

Minimum 18 credit hours in 4000-level Honours courses.

Double Honours: Minimum 36 credit hours in each Honours subject.

Minimum 15 credit hours in 4000-level Honours courses in the Classics component of the double Honours. For the requirements of the other Honours subject, consult the department involved.

Required Courses for BA Honours in Classics (Classical Civilization):

CLAS-1011(3) Greek Society **AND** CLAS-1012(3) Roman Society **OR** in place of both of these courses CLAS-1015(3) Everyday Life in Greece and Rome with permission of the department

CLAS-2701(3) Classical Mythology

At least one of:

CLAS-2091(6) Ancient Greek History

CLAS-2096(6) The History of Ancient Rome

At least one of:

CLAS-3754(3) Ancient Epic in Translation

CLAS-3756(3) Topics in Ancient Literature

CLAS-3755(3) Ancient Drama in Translation

6 credit hours selected from the following options:

CLAS-1100(3) Introductory Latin I **AND** CLAS-1101(3) Introductory Latin II

OR CLAS-1200(3) Introductory Greek I **AND** CLAS-1201(3) Introductory Greek II

OR CLAS-1100(3) Introductory Latin I **AND** CLAS-1200(3) Introductory Greek I

At least one of:

CLAS-2000(3) The Heroic Age of Greece

CLAS-2003(3) Roman Art and Architecture

CLAS-2002(3) Greek Art and Architecture

CLAS-2004(3) Rise of Old World Civilization

OR another course in Artistic Achievement with permission of the department

In addition to the above, students must complete 18 credit hours at the 4000-level for Single Honours and 15 credit hours at the 4000-level for Double Honours.

REQUIREMENTS FOR A MINOR IN CLASSICS: LANGUAGE STREAM

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level.
Residence Requirement: Minimum 12 credit hours in the Minor subject.

Required Courses:

CLAS-1100(3) Introductory Latin I
CLAS-1101(3) Introductory Latin II
CLAS-2100(6) Intermediate Latin Texts

Either **one** of:

CLAS-3100(6)/4100(6) Poetry of the Republic	CLAS-3120(6)/4120(6) Poetry of the Augustan Age
CLAS-3110(6)/4110(6) Prose Literature of the Republic and Augustan Age	CLAS-3130(6)/4130(6) Poetry of the Empire
	CLAS-3140(6)/4140(6) Prose Literature of the Empire

Or **two** of:

CLAS-3255(3) Topics in Greek and Latin
CLAS-3256(3) Tutorial in Ancient Language and Literature (when the works studied are Latin)
Both of these courses can be taken more than once.

OR

CLAS-1200(3) Introductory Greek I	CLAS-2200(6) Intermediate Greek Texts
CLAS-1201(3) Introductory Greek II	

Either **one** of:

CLAS-3210(6)/4210(6) Archaic Greek Poetry	CLAS-3230(6)/4230(6) Greek History and Philosophy
CLAS-3220(6)/4220(6) Greek Tragedy and Comedy	CLAS-3240(6)/4240(6) Greek Oratory
	CLAS-3250(6)/4250(6) Hellenistic Prose and Poetry

Or **two** of:

CLAS-3255(3) Topics in Greek and Latin
CLAS-3256(3) Tutorial in Ancient Language and Literature (when the works studied are Greek)
Both of these courses can be taken more than once.

Restrictions: Students cannot declare the same subject as a Major and a Minor.

REQUIREMENTS FOR A MINOR IN CLASSICS: CIVILIZATION STREAM

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level.
Residence Requirement: Minimum 12 credit hours in the Minor subject.

Required Courses:

At least 3 credit hours at the 1000-level from the following courses:

CLAS-1011(3) Greek Society	CLAS-1101(3) Introductory Latin II
CLAS-1012(3) Roman Society	CLAS-1200(3) Introductory Greek I
CLAS-1015(3) Everyday Life in Greece and Rome	CLAS-1201(3) Introductory Greek II
CLAS-1100(3) Introductory Latin I	

At least 9 credit hours at the 2000-level, 6 credit hours of which must be from:

CLAS-2002(3) Greek Art and Architecture	CLAS-2100(6) Intermediate Latin Texts
CLAS-2003(3) Roman Art and Architecture	CLAS-2200(6) Intermediate Greek Texts
CLAS-2060(3) Sport in the Ancient World	CLAS-2701(6) Classical Mythology
CLAS-2091(6) Ancient Greek History	CLAS-2702(3) Religion in Greece and Rome
CLAS-2096(6) The History of Ancient Rome	CLAS-2800(3) Greek and Latin in Today's English

At least 3 credit hours at the 3000-level

3 further credit hours at any level.

Restrictions: Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Neither **CLAS-1011(3)** Introduction to Greek Society nor **CLAS-1012(3)** Introduction to Roman Society is required as a prerequisite for study of any of the offerings in Classics.

Students may complete the following courses to obtain credit towards the Major in another Department or Program:

CLAS-2000(3)	The Heroic Age of Greece - Art History
CLAS-2002(3)	Greek Art and Architecture - Art History
CLAS-2003(3)	Roman Art and Architecture - Art History
CLAS-2004/ANTH-2211(3)	Rise of Old World Civilization - Anthropology
CLAS-2010/HIST-2090	Topics in Classical Studies - History

CLAS/PHIL-2011(6)	The Genesis of Western Humanism - Philosophy
CLAS-2020(6)	Athenian Law and Society - Criminal Justice Studies
CLAS/KIN-2060(3)	Sport in the Ancient World - Kinesiology and Applied Health
CLAS-2070(6)	Women and the Family in Greece and Rome - Women's Studies
CLAS-2091(6)/HIST-2104(6)	Ancient Greek History -History
CLAS/HIST-2096(6)	The History of Ancient Rome - History
CLAS/THFM-2405(3)	Staging Greek and Roman Drama - Theatre and Film
CLAS/HIST-3006(3)	Topics in Ancient History - History
CLAS/ANTH-3260(3)	Classical Archaeology - Anthropology
CLAS-3090(3)/HIST-3903(3)	Classical and Medieval Science - History
CLAS-3310/HIST-3140(3)	Alexander the Great – History
CLAS-3311/HIST-3141(3)	The Hellenistic World - History
CLAS/ENGL-3754(3)	Ancient Epic in Translation - English
CLAS/ENGL-3755(3)	Ancient Drama in Translation – English
CLAS/ENGL-3756(3)	Topics in Ancient Literature – English

Graduate Studies

Students who plan to proceed to graduate studies in Classics are strongly advised to select as many language courses as possible.

4000-Level Courses: Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses).
Permission of the department is required for each 4000-level course.

COURSE LISTINGS

The Classics Department has organized its courses into two areas of specialization. This division is provided as a guideline to the Areas of Study available for concentration.

CLASSICAL CIVILIZATION

Students whose primary interest is the study of civilization and culture may complete any of a wide range of courses which do not require a knowledge of the Latin and Greek languages. These have been organized into different categories to aid the student in selecting relevant courses.

SOCIAL BACKGROUND

CLAS-1011(3)	Greek Society
CLAS-1012(3)	Roman Society
CLAS-2010(3)	Topics in Classical Studies
CLAS-2020(6)	Athenian Law and Society
CLAS-2050(3)	Education in the Ancient World
CLAS/KIN-2060(3)	Sport in the Ancient World
CLAS-2070(6)	Women and the Family in Greece and Rome
CLAS-2702(3)	Religion in Greece and Rome
CLAS-2703(3)	Magic and Divination in the Greek and Roman World
CLAS-3010(3)	Directed Readings

HISTORICAL BACKGROUND

CLAS-2000(3)	The Heroic Age of Greece
CLAS-2010(3)/HIST-2090(3)	Topics in Classical Studies
CLAS-2081(3)	Sites of the Ancient Greek and Roman World I
CLAS-2082(3)	Sites of the Ancient Greek and Roman World II
CLAS-2091(6)/HIST-2104(6)	Ancient Greek History
CLAS-3310(3)/HIST-3140(3)	Alexander the Great
CLAS-3311(3)/HIST-3141(3)	The Hellenistic World
CLAS/HIST-2096(6)	The History of Ancient Rome
CLAS/HIST-3006(3)	Topics in Ancient History

ARTISTIC ACHIEVEMENT

CLAS-2000(3)	The Heroic Age of Greece
CLAS-2002(3)	Greek Art and Architecture
CLAS-2003(3)	Roman Art and Architecture
CLAS-2081(3)	Sites of the Ancient Greek and Roman World I
CLAS-2091(3)	Sites of the Ancient Greek and Roman World II
CLAS/THFM-2405(3)	Staging Greek and Roman Drama
CLAS/ANTH-3260(3)	Classical Archaeology
LITERARY ACHIEVEMENT	
CLAS/THFM-2405(3)	Staging Greek and Roman Drama
CLAS-2701(6)	Classical Mythology
CLAS-3010(3)	Directed Readings
CLAS/ENGL-3754(3)	Ancient Epic in Translation
CLAS/ENGL-3755(3)	Ancient Drama in Translation
CLAS/ENGL-3756(3)	Topics in Ancient Literature

HISTORY OF IDEAS

CLAS/PHIL-2011(6)	The Genesis of Western Humanism
CLAS-2020(6)	Athenian Law and Society
CLAS-2050(3)	Education in the Ancient World
CLAS-2701(6)	Classical Mythology
CLAS-2702(3)	Religion in Greece and Rome
CLAS-2800(3)	Greek and Latin in Today's English
CLAS-3090(3)/HIST-3903(3)	Classical and Medieval Science
CLAS/ENGL-3754(3)	Ancient Epic in Translation
CLAS/ENGL-3755(3)	Ancient Drama in Translation
CLAS/ENGL-3756(3)	Topics in Ancient Literature

LATIN AND GREEK

A reasonable number of courses of Latin and Greek is made available to students each year. The complete value of

Classical Training can only be attained through study of the two Classical languages. In the introductory courses (**CLAS-1100(3)**, **CLAS-1101(3)**, **CLAS-1200(3)**, and **CLAS-1201(3)**), students are provided with the linguistic skills necessary to enable them to read Greek and Latin fluently. In the intermediate and senior language courses emphasis is placed on training students to read with comprehension as quickly as possible, and in the process of reading the ancient authors students are acquainted with the vital aspects of Greek and Roman civilization. A wide range of offerings is available in both Latin and Greek. These courses provide students with the sound linguistic background essential for graduate work.

LATIN

CLAS-1100(3)	Introductory Latin I
CLAS-1101(3)	Introductory Latin II
CLAS-2100(6)	Intermediate Latin Texts
CLAS-3100(6)/ 4100(6)	Poetry of the Republic
CLAS-3110(6)/ 4110(6)	Prose Literature of the Republic and Augustan Age
CLAS-3120(6)/ 4120(6)	Epic and Lyric Poetry of the Augustan Age
CLAS-3121(6)/ 4121(6)	Elegiac Poetry of the Augustan Age

CLAS-3130(6)/ 4130(6)	Poetry of the Empire
CLAS-3140(6)/ 4140(6)	Prose Literature of the Empire
CLAS-4400(6)	Thesis

GREEK

CLAS-1200(3)	Introductory Greek I
CLAS-1201(3)	Introductory Greek II
CLAS-2200(6)	Intermediate Greek Texts
CLAS-3210(6)/ 4210(6)	Archaic Greek Poetry
CLAS-3220(6)/ 4220(6)	Greek Tragedy and Comedy
CLAS-3230(6)/ 4230(6)	Greek History and Philosophy
CLAS-3240(6)/ 4240(6)	Greek Oratory
CLAS-3250(6)/ 4250(6)	Hellenistic Prose and Poetry
CLAS-4400(6)	Thesis

Students are advised to consult the appropriate Timetable available from the Records Office for courses to be offered during the current session.

COURSE DESCRIPTIONS

CLAS-1011(3) GREEK SOCIETY (Le3) Students are introduced to the fundamental social concepts, cultural characteristics, and political institutions of ancient Greek society. Examples of topics that may be covered are the family, religion, slavery, social relations, cultural ideals as reflected in ancient literature and art, and political institutions such as Athenian democracy. Major sources of information are presented, and the problems involved in the interpretation of ancient evidence are addressed throughout.
RESTRICTIONS: Students with credit in the former CLAS-1010(6) may not receive credit for this course. Students with credit in CLAS-1015 may not receive credit in this course.

CLAS-1012(3) ROMAN SOCIETY (Le3) Students are introduced to the fundamental social concepts, cultural characteristics, and political institutions of ancient Roman society. Examples of topics that may be covered are the family, religion, slavery, social relations, cultural ideals as reflected in ancient literature and art, and political organization of the Republic and the Empire. Major sources of information are presented, and the problems involved in the interpretation of ancient evidence are addressed throughout.
RESTRICTIONS: Students with credit in the former CLAS-1010(6) may not receive credit for this course. Students with credit in CLAS-1015 may not receive credit in this course.

CLAS-1100(3) INTRODUCTORY LATIN I (Le4) The course is designed for students who have no previous knowledge of the Latin language. Its aim is to introduce the concept of an inflected language and to teach the basic elements of Latin grammar and vocabulary.
RESTRICTIONS: Students with credit in Latin 40S or the former CLAS-1101(6) may not receive credit for this course.

CLAS-1101(3) INTRODUCTORY LATIN II (Le4) This course is designed to expand students' knowledge of Latin vocabulary, to introduce more complex grammatical concepts, and to provide an introduction to the reading of continuous passages from Latin authors.
PREREQUISITE: CLAS-1100(3)
RESTRICTIONS: Students with credit in Latin 40S or the former CLAS-1101(6) may not receive credit for this course.

CLAS-1200(3) INTRODUCTORY GREEK I (Le4) This course is designed for students with no previous knowledge of Classical Greek and includes a study of the basic forms, syntax, and vocabulary of the language.
RESTRICTIONS: Students with credit in the former CLAS-1200(6) may not receive credit for this course.

CLAS-1201(3) INTRODUCTORY GREEK II (Le4) This course proceeds to a more advanced study of the forms, syntax, and vocabulary designed to enable students to proceed with advanced studies in Greek.
PREREQUISITE: CLAS-1200(3).
RESTRICTIONS: Students with credit in the former CLAS-1200(6) may not receive credit for this course.

CLAS-2000(3) THE HEROIC AGE OF GREECE (Le3) This course examines the Minoan and Mycenaean civilizations as revealed through their art and architecture. Emphasis is on archaeological discoveries as evidence for the earliest history of the Aegean area, and as background to many Greek myths. Arts surveyed include architecture, pottery, painting, jewellery, and the minor arts. May be counted for credit towards an Art History Major.

CLAS-2002(3) GREEK ART AND ARCHITECTURE (Le3) This course examines Greek art and architecture with emphasis upon their development, and their contribution to subsequent art and architecture in Europe and America. Areas studied include architecture, sculpture, painting, pottery, jewellery, and the minor arts. This course may be counted for credit towards an Art History Major.
RESTRICTIONS: May not be taken by students with credit in the former CLAS-2001(6).

CLAS-2003(3) ROMAN ART AND ARCHITECTURE (Le3) This course examines Etruscan and Roman art and architecture with emphasis upon their development, and their contribution to subsequent art and architecture in Europe and America. Areas studied include architecture, sculpture, painting, pottery, jewellery, and the minor arts. This course may be counted for credit towards an Art History Major.
RESTRICTIONS: May not be taken by students with credit in the former CLAS-2001(6).

CLAS-2004(3) RISE OF THE OLD WORLD CIVILIZATION (Le3)

This course covers the origins and development of civilization in the Old World with emphasis on the prehistoric archaeological record. Topics discussed include the forces behind an increase in population density, the role of civilization and urbanism in state formation, and the problem of collapse of Old World Civilizations, such as ancient Egypt, the Near East, China, and the Indus Valley. Regional and chronological coverage may vary from year to year.

CROSS-LISTED: Anthropology ANTH-2211(3).

CLAS-2010(3) TOPICS IN CLASSICAL STUDIES (Le3)

This course explores a specific area in the field of Classical Scholarship. The focus of study varies from year to year. Possible topics include Ancient medicine, technology, economics, warfare, and the popular reception of the Classical tradition. Information concerning these course offerings is provided by the Department.

RESTRICTIONS: This course may be repeated when the topic varies.

CROSS-LISTED: History HIST-2090(3).

CLAS-2011(6) THE GENESIS OF WESTERN HUMANISM (Le3)

This course is a study of the rise of humanistic thought in response to the needs and vicissitudes of life in the Graeco-Roman world. Primary source material in translation is used to obtain an understanding of the contribution made by various individuals: e.g., Protagoras, Socrates, Plato, Aristotle, Lucretius, Cicero, and Seneca.

CROSS-LISTED: Philosophy PHIL-2011(6).

CLAS-2020(6) ATHENIAN LAW AND SOCIETY (Le3)

This course examines the maintenance of law and order and the administration of justice in Classical Athens. Topics to be discussed include the growth of the legal system, the machinery for law enforcement, the judicial procedures, and the law as it related to family, property, and society. This course may be counted for credit towards a Criminal Justice Studies Major.

CLAS-2050(3) EDUCATION IN THE ANCIENT WORLD (Le3)

This course discusses the upbringing, socialization, and education of children and young adults in the Greek and Roman worlds. Stressing the evidence of the ancient sources, it deals with rituals of admission into the family and community, methods of socialization (naming practices, modelling, myth), and the development and nature of schools. The course pays particular attention to ideas and practices concerned with the development of children into adults.

NOTE: A Support Course for the Education Program.

CLAS-2060(3) SPORT IN THE ANCIENT WORLD (Le3)

This course examines the origin and historical development of sport in Greece and Rome, its religious and political implications, and the nature of events and contests. Particular attention is paid to intellectual and popular attitudes towards sport and the contribution made to Western Civilization in this area by Greece and Rome.

CROSS-LISTED: Kinesiology and Applied Health KIN-2060(3).

CLAS-2070(6) WOMEN AND THE FAMILY IN GREECE AND ROME (Le3)

This course is an introduction to the study of women and the family in the ancient Greek and Roman world. It is organized chronologically; classical Athens and Rome in the late Republic and early Empire draw special attention. Topics to be treated include women and the family in myth, kinship institutions, marriage, the family as an economic unit, relations within the family, women in law, politics, religion, sport, and literature.

CLAS-2081(3) SITES OF THE ANCIENT GREEK AND ROMAN WORLD I (Le3)

This course consists of one term of academic study in Winnipeg in preparation for its companion course, Sites of the Ancient Greek and Roman World II, to be undertaken normally in Greece or Italy. Specific content and focus of this course vary with the destination, but generally include instruction in the ancient history of the specific destination, the topography of the sites to be visited, and relevant readings of ancient sources in translation. Among other requirements, students are expected to undertake preliminary work for a site presentation to be mounted on location.

ADDITIONAL REQUIREMENTS: 3 credits in any Classics course and permission of the department.

RESTRICTIONS: This course may be repeated when the topic varies.

CLAS-2082(3) SITES OF THE ANCIENT GREEK AND ROMAN WORLD II (LeV)

This course follows up on Sites of the Ancient Greek and Roman World I, and consists of first-hand examination of museum collections and sites of the ancient world, normally in Greece and Italy. The destination and content of the course varies from year to year. As part of the requirements of the course, each student is expected to make a site presentation on location. Sites are chosen prior to leaving Winnipeg in consultation with the instructor.

ADDITIONAL REQUIREMENTS: Permission of the department.

RESTRICTIONS: This course may be repeated when the topic varies.

CLAS-2091(6) ANCIENT GREEK HISTORY (Le3)

This course traces the history of Greece from 800 BCE until the rise of Macedon. Special emphasis is placed on the social, political and economic evolution of the Greek city-states (in particular Athens and Sparta), the failure of the Greeks to achieve political unity, and their consequent vulnerability to external threats.

CROSS-LISTED: History HIST-2104(6).

CLAS-2096(6) THE HISTORY OF ANCIENT ROME (Le3)

Lectures trace the history of Rome from the legendary foundations of the city through to the reign of Constantine. Major events of the Republic and the first three centuries of the Empire are explored. Particular emphasis is placed upon the expansion of Rome's power throughout Italy and the Mediterranean, the forces which brought about the transformation of the Roman style of government from Monarchy to Republic to Empire, and the problems which attended these changes.

CROSS-LISTED: History HIST-2096(6).

RESTRICTIONS: Students with credit in either the former CLAS-2094(6) or CLAS-2095(6) may not receive credit for this course.

CLAS-2100(6) INTERMEDIATE LATIN TEXTS (Le3)

This course includes various selections from the field of Latin literature. Students are given assigned readings and may also do exercises in translation at sight.

PREREQUISITES: A minimum grade of B in CLAS-1101(3), Latin 40S or the former CLAS-1101(6).

CLAS-2200(6) INTERMEDIATE GREEK TEXTS (Le3)

This course includes various selections from the field of ancient Greek literature. Students study the more advanced forms, syntax and vocabulary as used by ancient authors. They may also do exercises in translation at sight.

PREREQUISITES: A minimum grade of B in CLAS-1201(3) or the former CLAS-1200(6).

CLAS-2405(3) STAGING GREEK AND ROMAN DRAMA (Le3)

This course focuses on the staging of Greek and Roman tragedy and comedy. Examination of the surviving texts of selected plays, the remains of ancient theatres,

contemporary accounts of dramatic performance and relevant artwork leads to a recreation of an ancient theatrical experience with information on stage configuration, scenery, masks, costumes, properties, gestures, dance, song, mechanical devices and stage convention. In addition to their written work, students are expected to participate in demonstrations and performances in class.

CROSS-LISTED: Theatre and Film THFM-2405(3).

CLAS-2701(6) CLASSICAL MYTHOLOGY (Le3) This course is designed to acquaint the student with myths found in Greek and Latin literature. Origins, functions, and interpretations of myths are examined. We also study myths as story-plots. Selections in translation from Greek and Roman writers are used to illustrate myths about the origin of the universe; gods and heroes; sagas involving Thebes, Mycenae and Troy, and the national myths of Rome.

RESTRICTIONS: Students may not receive credit in both the former CLAS-2701(3) and CLAS-2701(6).

CLAS-2702(3) RELIGION IN GREECE AND ROME (Le3)

This course surveys the religious beliefs and practices of the Greeks and Romans. Topics to be discussed include the following: the worship of Olympian and Chthonic deities, oracles, orgiastic and mystery religions, Roman cults and rituals, Oriental religions, and the beginnings of Christianity.

CLAS-2703(3) MAGIC AND DIVINATION IN THE GREEK AND ROMAN WORLD (Le3)

Students are introduced to the issues surrounding unofficial, and sometimes unsanctioned, religious practices in ancient Greece and Rome. The modern problem of defining the term magic in contrast to religion, science, and philosophy in antiquity is considered as ancient examples of purportedly magical activity are discussed. Particular attention is given to social and political contexts in which such activity is identified. The history of legislation against such acts is also addressed.

CLAS-2800(3) GREEK AND LATIN IN TODAY'S ENGLISH (Le3)

Of the 20,000 words in common use in English, about half have come from Latin, directly or through French. Greek, too, has made its contribution and continues to do so as the language of science expands. In addition to a thorough study of the formation of nouns, verbs, and adjectives from their Greek and Latin component parts, we examine the Greek script, principles of transliteration, medical and scientific Greek, words from Greek mythology and society, Roman numerals, legal Latin, abbreviations of Latin words in common use, Latin mottoes and proverbs, and unusual plural forms in English. No knowledge of Latin or Greek is required.

CLAS-3006(3) TOPICS IN ANCIENT HISTORY (Le3) This course explores fundamental issues, specific social institutions, key historical figures, vital events, important periods, and current directions in the study of ancient Greek and Roman history in greater detail than the history survey classes allow. The focus of study varies from year to year. Examples include Greek and Roman slavery, Perikles and the Athenian Empire, the myth of Alexander the Great, and comparative Greek and Roman historiography and biography. Emphasis is placed on the use of primary source material (in translation). Information concerning these course offerings is provided by the Department.

CROSS-LISTED: History HIST-3006(3).

ADDITIONAL REQUIREMENTS: At least 3 credits in any Classics course, or permission of the department.

RESTRICTIONS: This course may be repeated when the topic varies.

CLAS-3010(3) DIRECTED READINGS IN CLASSICAL STUDIES (D)

Students undertake directed readings under the supervision of a faculty member. Topic, focus, and

readings are arranged on an individual basis, in consultation with the instructor. Written assignments, including a cumulative final project, are the basis of evaluation.

PREREQUISITES: Permission of Department.

RESTRICTIONS: This course may be repeated when the topic varies.

CLAS-3090(3) CLASSICAL AND MEDIEVAL SCIENCE (Le, S3)

This lecture/seminar course examines the theories, experiments, and calculations of Greek, Roman, and European scientists before the Scientific Revolution of the seventeenth century. As well as considering the work of the major contributors to astronomy, physics, and mathematics in this period, the course places their ideas and the work of the schools of Greece, Rome, and medieval Europe within their social, cultural, and intellectual contexts.

CROSS-LISTED: History HIST-3903(3).

RESTRICTIONS: Students with credit in the former CLAS-3211(3) or the former CLAS-3903(3) may not receive credit for this course.

CLAS-3100(6)/4100(6) POETRY OF THE REPUBLIC (Le3)

Students read in the original Latin a variety of works from the best known poets of the Republic, such as Plautus, Terence, Catullus, and Lucretius. Attention is given both to contemplating the content and form of the works in question, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2100(6).

CLAS-3110(6)/4110(6) PROSE LITERATURE OF THE REPUBLIC AND AUGUSTAN AGE (Le3)

Students read in the original Latin works selected from the most famous prose authors of the Republic and Augustan Age. These may include speeches and letters of Cicero and the historical works of Sallust and Livy. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2100(6).

CLAS-3120(6)/4120(6) POETRY OF THE AUGUSTAN AGE (Le3)

Students read in the original Latin works selected from the most famous poets of the Augustan Age. These may include works from Vergil, Horace, Propertius, Tibullus, and Ovid. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2100(6).

CLAS-3130(6)/4130(6) POETRY OF THE EMPIRE (Le3)

Students read in the original Latin works selected from the most famous poets and dramatists of the Empire. These may include selections from Seneca, Lucan, Martial, and Juvenal. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

Prerequisite: CLAS-2100(6).

CLAS-3140(6)/4140(6) PROSE LITERATURE OF THE EMPIRE (Le3)

Students read in the original Latin works selected from the most famous prose authors of the Empire. These may include selections from the philosophical works of Seneca, the letters of Pliny the Younger, the biographies of Suetonius, the histories of Tacitus, and the novels of Petronius and Apuleius. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2100(6).

CLAS-3210(6)/4210(6) ARCHAIC GREEK POETRY (Le3)

Students read in ancient Greek selections from the works of famous poets of the Archaic period, such as Homer, Hesiod, and the lyric poets such as Alcaeus and Sappho. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2200(6).

CLAS-3220(6)/4220(6) GREEK TRAGEDY AND COMEDY (Le3) Students read in ancient Greek selections from the works of famous comic and tragic poets of the Classical period, namely Aristophanes, Menander, Aeschylus, Sophocles, and Euripides. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2200(6).

CLAS-3230(6)/4230(6) GREEK HISTORY AND PHILOSOPHY (Le3) Students read in ancient Greek selections from the works of famous historians and philosophers of the Classical period, such as Herodotus, Thucydides, Xenophon, Plato, and Aristotle. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2200(6).

CLAS-3240(6)/4240(6) GREEK ORATORY (Le3) Students read in ancient Greek selections from the works of orators of the Classical period, such as Lysias, Isocrates, Aeschines, and Demosthenes. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

PREREQUISITE: CLAS-2200(6).

CLAS-3250(6)/4250(6) HELLENISTIC PROSE AND POETRY (Le3) Students read in ancient Greek selections from the works of poets and prose authors of the Hellenistic period, such as Apollonius of Rhodes, Theocritus, Lucian, poets of the Palatine Anthology, Polybius, the fragments of Arrian, Plutarch, and the Greek novelists. Attention is given both to the content and form of the works under study, and to the improvement of students' translational skills and speed.

PREREQUISITE: CLAS-2200(6).

CLAS-3255(3) TOPICS IN GREEK AND LATIN (Le3) This course provides students who have prior experience in Latin and Greek the opportunity to explore fields of study related to philology. Examples of topics of study include papyrology, epigraphy, prose composition, and comparison of Greek and Latin literary genres. The focus of study varies from year to year. Information concerning these course offerings is provided by the Department.

PREREQUISITES: CLAS-2100(6), CLAS-2200(6), permission of Department.

RESTRICTIONS: This course may be repeated when the topic varies.

CLAS-3260(3) CLASSICAL ARCHAEOLOGY (Le3) This course examines methodological, theoretical, and topical issues in the archaeology of ancient Greek and Roman civilizations. Recent directions within the discipline are examined. Topics include: the integration of archaeological, scientific, artistic, and textual evidence in the reconstruction of classical cultures; the assessment of ancient Greco-Roman ecological, social, ritual, and economic life on the basis of recovered artifacts and ecofacts; the use of archaeological survey data to examine ancient settlement patterns.

CROSS-LISTED: Anthropology ANTH-3260(3).

CLAS-3310 ALEXANDER THE GREAT (Le3) This course looks at the life and conquests of Alexander the Great. It begins with a chronological examination of the rise of Macedon under Alexander's father, Philip II, Alexander's early life, his conquest of the Persian Empire, and ultimately, his death. Four major themes are then explored: Alexander's military and its evolution, his relationship to mainland Greece, Alexander's empire, and his divinity.

CROSS-LISTED: History HIST-3140(3).

RESTRICTIONS: Students with credit in the former CLAS-2092(6) may not receive credit in this course.

CLAS-3311(3) THE HELLENISTIC WORLD (Le3) This course considers the political, social, and cultural development of the Hellenistic world from 323–31 BC. After an examination of the principal sources for the period and the difficulties they present, the disintegration of the empire of Alexander the Great into three separate kingdoms is explored against the background of the social, cultural, and economic upheaval that came in the wake of Alexander's death. Themes of the development of art, kingship, literature, philosophy, religion, science, and trade are considered.

CROSS-LISTED: History HIST-3141(3).

RESTRICTIONS: Students with credit in the former CLAS-2092(6) may not receive credit in this course.

CLAS-3754(3) ANCIENT EPIC IN TRANSLATION (Le3) By reading works of ancient epic in translation by important ancient authors (e.g. Homer, Apollonius, Vergil, Ovid, Lucan, Statius), students are introduced to the literary characteristics of the genre and their strategic deployment. The literary and historical contexts of specific epics are discussed in order to make their cultural significance clear.

CROSS-LISTED: English ENGL-3754(3).

RESTRICTIONS: Students with credit in the former CLAS-3752(3) or CLAS-3753(3) may not receive credit in this course.

CLAS-3755(3) ANCIENT DRAMA IN TRANSLATION(Le3) Students read the works of ancient tragic poets (e.g. Aeschylus, Sophocles, Euripides, Seneca) and of ancient comic poets (e.g. Aristophanes, Menander, Plautus, Terence) in translation. Literary conventions of both ancient tragedy and comedy are addressed. The plays are situated within their broader historical and festival contexts to make clear their cultural significance.

CROSS-LISTED: English ENGL-3755(3).

RESTRICTIONS: Students with credit in the former CLAS-3752(3) or CLAS-3753(3) may not receive credit in this course.

CLAS-3756(3) TOPICS IN ANCIENT LITERATURE(Le3) This course deals with the interpretation and appreciation of literary genres, authors, or works from the canon of Greek and Latin literature. The focus of study varies from year to year. Examples include love poetry, satire, the ancient novel, and letter-writing as a literary form. Information concerning these course offerings is provided by the Department.

CROSS-LISTED: English ENGL-3756(3).

RESTRICTIONS: This course may be repeated when the topic varies.

CLAS-4400(6) THESIS (P) To complete the Honours in Classical Languages degree or 4-Year BA in Classics, each student must complete, in the final year, a program of research under the supervision of a member of the Department. To complete the Honours in Classical Civilization degree, a student may take this course in their final year. Students wishing to enrol in this course must consult with the Department of Classics well in advance of registration to determine the thesis topic.

PREREQUISITE: Permission of Department.

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in a topic. Students who successfully complete any experimental course receive credit as indicated.

CLAS-1015(3) EVERYDAY LIFE IN GREECE AND ROME (Le3) This course examines the daily lives of ordinary

people in Ancient Greece and Ancient Rome. Topics covered include town planning, building, housing, food, clothing, shopping, travel, education, entertainment, writing, bathing, participation in government, family life and child-rearing, serving in the army, acting and the stage, athletics, living in the countryside, farming, worship and simple technology.

RESTRICTIONS: Students with credit in CLAS-1011 and/or CLAS-1012 may not receive credit in this course.

CLAS-2021(3) ATHENIAN LAW (Le3) This course examines the maintenance of law and order and the administration of justice in Classical Athens. Topics to be discussed include the growth of the legal system, the machinery for law enforcement, the judicial procedures, and the law as it related to family, property, and society. This course may be counted for credit towards a Criminal Justice Studies Major.

RESTRICTIONS: Students may not receive credit for both CLAS-2020 and CLAS-2021.

CLAS-2210(3) TUTORIAL IN READING ANCIENT LANGUAGE AND LITERATURE (T3) Under the supervision of a faculty member from the Department of Classics, students read selections from Greek or Roman works in the original Greek or Latin. Attention is given to helping the student gain fluency of reading and appreciation of the content.

RESTRICTIONS: This course may be repeated when the topic varies.

CLAS-2500(3) THE ANCIENT WORLD THROUGH FILM (Le3) This course explores Greek and Roman epic, history, and drama through an examination of ancient sources in conjunction with film adaptations. Topics in the course range from how and why films differ from their sources, how literary and cinematic techniques converge, how the past is used to talk about the present, and lastly how modern theoretical approaches can make sense of myth and film.

CLAS-2700(3) TOPICS IN ANCIENT RELIGION (Le3) This course explores a specific topic in the field of religion in the Greek and Roman worlds. The focus of study varies from year to year, but emphasis is placed on the use of primary source material in translation. More detailed information about each given offering of the course can be obtained from the department. This course may be repeated for credit when the topic varies.

CLAS-2850(3) THE CLASSICAL ROOTS OF MEDICAL TERMINOLOGY (Le3) This course considers several of the most important ancient medical writers (Soranus, Celsus, and Galen, among others), their historical works, and contributions to ancient and modern medicine and medical terminology. Knowledge of medical terminology equips students for a variety of fields. This course also lays out the most important Greek and Latin roots of the vocabulary of contemporary medicine and demonstrates the predictable patterns by which these roots combine, introducing students to the concept of building language using root words, prefixes and suffixes. Students learn to define new compounds and phrases by analysis of their parts.

CROSS-LISTED: KIN-2850(3)

RESTRICTIONS: Students with credit in CLAS-2800(3) Greek and Latin in Today's English may not receive credit in this course.

CLAS-3060(3) HEALTH IN ANTIQUITY (Le3) This course explores health, disease, and medicine in the Greek and Roman world. It draws upon evidence from the ancient textual sources (especially Galen and Hippocrates), social history, and archaeology (the latter including all manner of finds—architecture, art, artifacts, environmental materials, and skeletal remains) to examine how residents of the Greek

and Roman world perceived and experienced health and disease, and how they sought to combat illness and to promote healing.

CROSS-LISTED: ANTH-3262, KIN-3060

CLAS-3256/4256(3) TUTORIAL IN ANCIENT LANGUAGE AND LITERATURE (T3) Under the supervision of a faculty member from the Department of Classics, students read selections from Greek or Roman works in the original Greek or Latin. Attention is given to the content and form of the works under study, and to the improvement of the students' translational skills and speed.

PREREQUISITES: CLAS-2100(6), CLAS-2200(6), or permission of the Department Chair.

RESTRICTIONS: This course may be repeated when the works under study vary.

CLAS-3320(3) DEATH IN ANTIQUITY (Le3) This course approaches various aspects relating to death in Greek and Roman antiquity (emphasizing Roman antiquity) from the perspectives of two disciplines, Anthropology and Classics. Topics include beliefs and philosophies about the afterlife; causes of death, with the emphasis on diseases and demographics; the practicalities of planning for death and disposing of the dead; the methods and significance of commemoration; rituals of grief and mourning; spatial distribution of cemeteries; methods and theories in mortuary archaeology from classical sites; and analysis of osteological, artifactual, and architectural date from such sites. Contemplation of cross-cultural comparisons on these and other topics under study is encouraged.

CROSS-LISTED: Anthropology ANTH-3261(3).

PREREQUISITES: 3 credit hours in any Anthropology or Classics course.

CONFLICT RESOLUTION STUDIES (CRS)

(OFFERED IN COOPERATION WITH MENNO SIMONS COLLEGE)

Updated April 3, 2013

Note: The department/program code CRS replaces the former code 61. Students cannot hold credit in CRS-xxxx and the former 61.xxxx having the same course number (e.g., CRS-1200(6) and 61.1200(6)).

Coordinator: Associate Professor: L. Edmund; Associate Professor Emeritus: P. Redekop; Associate Professors: J. Derksen, N. Funk-Unrau, R. McCutcheon, A. Snyder; Assistant Professor: S. Stobbe; Instructor: K. Ridd

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Minor

INTRODUCTION

Conflict Resolution Studies (CRS) seeks to understand the nature and dynamics of human conflict, and to look at appropriate alternatives for dealing with conflict in ways which develop healthy relationships and prevent violence. Conflicts are analyzed from an interdisciplinary perspective together with topics such as violence, power, justice, peace, communication, culture, war, conflict transformation and dispute resolution. CRS prepares students to understand and interact constructively in response to personal, local and global conflict situations.

Conflict Resolution Studies is one of the two majors offered through Menno Simons College (MSC), an affiliated college of the University of Winnipeg. There is flexibility in this program to allow for double majors. All MSC students register as University of Winnipeg students. All degrees are conferred by The University of Winnipeg. For additional information about Menno Simons College, see "Other Programs" in the Course Calendar.

Students considering to major in CRS should consider the following points:

1. The 3-year CRS BA is designed for students who have an interest in Conflict Resolution Studies, with a particular focus on the interpersonal, Restorative Justice, Nonviolence, or Conflict, Poverty and Development.
2. The 4-year CRS BA is designed for students who plan to pursue professional work or graduate studies in the field of conflict resolution.
3. The CRS minor is designed for students pursuing a 4-year degree within another discipline, who have an interest in the intersection of Conflict Resolution Studies, Peace Studies and their chosen field.

REQUIREMENTS FOR A 3-YEAR BA IN CONFLICT RESOLUTION STUDIES

ADMISSION REQUIREMENT	Students must consult with a CRS Academic Advisor in planning their course of study
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree	Minimum 36 credit hours
Major	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	3 credit hours in Academic Writing
Maximum Introductory Courses:	42 credit hours at the 1000 level
Distribution:	Minimum 3 credit hours from each of 5 subject areas
MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours / Maximum 54 credit hours in CRS.
Double Major:	Minimum 36 credit hours in CRS and a specified number of credit hours in another major subject.
Combined Major:	Minimum 48 credit hours in CRS and another major subject with not fewer than 18 credit hours in each major. Note: CRS courses must be selected in consultation with the CRS Program Coordinator or MSC Academic Advisor.

Required CRS Courses (18 credit hours)

CRS-1200(6) Introduction to Conflict Resolution Studies

CRS-2210(3) Conflict Theory and Analysis*

CRS-2211(1.5) Coaching Skills Workshop (formerly known as Conciliation Skills Workshop)*

CRS-2241(3) Conflict and Culture*
CRS-3220(3) Models for Conflict Transformation*
CRS-3221(1.5) Mediation Skills Workshop*

An additional 3 credit hours from **each** of the CRS concentrations.
An additional 9 credit hours from CRS Core or CRS Area courses.

REQUIREMENTS FOR A 4-YEAR BA IN CONFLICT RESOLUTION STUDIES

ADMISSION REQUIREMENT	Students must consult with a CRS Academic Advisor in planning their course of study
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree	Minimum 60 credit hours
Major	Minimum 33 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	3 credit hours in Academic Writing
Maximum Introductory Courses:	42 credit hours at the 1000 level
Distribution:	Minimum 3 credit hours from each of 5 subject areas
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours / Maximum 66 credit hours in CRS and a minimum of 24 credit hours of Cognate courses. Of the required CRS Core courses, a minimum of 6 credit hours must be at the 4000 level.
Double Major:	Minimum 48 credit hours in CRS and a specified number of credit hours in another major.
Cognate:	Minimum 6 (maximum 15) credit hours from designated Research & Skills courses. Minimum 6 (maximum 12) credit hours from designated Language Skills courses
Combined Major:	Minimum 60 credit hours in CRS and another major subject with not fewer than 24 credit hours in each major. Note: CRS courses must be selected in consultation with the CRS Program Coordinator or MSC Academic Advisor.

Required CRS Courses (24 credit hours)

CRS-1200(6) Introduction to Conflict Resolution Studies
CRS-2210(3) Conflict Theory and Analysis*
CRS-2211(1.5) Coaching Skills Workshop (formerly known as Conciliation Skills Workshop)*
CRS-2241(3) Conflict and Culture*
CRS-3220(3) Models for Conflict Transformation*
CRS-3221(1.5) Mediation Skills Workshop*
CRS-3298(6) or CRS-3299(3) Practicum in Conflict Resolution Studies*
CRS-4200(3) Senior Seminar in Conflict Resolution Studies*

An additional 3 credit hours from **each** of the CRS concentrations.
An additional 12 credit hours in **one** CRS concentration.
An additional 3 credit hours in CRS Core or CRS Area Courses.
An additional 24 credit hours of Cognate courses (see above).

REQUIREMENTS FOR A MINOR IN CONFLICT RESOLUTION STUDIES

ADMISSION REQUIREMENT	Students have the option of consulting with the Menno Simons College Academic Advisor for assistance in planning their Minor.
Degree:	Students must complete a Major in another 4 year BA program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	Minimum 18 credit hours of Conflict Resolution Studies courses, including: CRS-1200 Introduction to Conflict Resolution Studies

Minimum 6 credit hours chosen from any CRS 2000-level courses
Minimum 6 credit hours chosen from any CRS 3000-level courses EXCEPT for CRS-2398 Practicum in Conflict Resolution Studies and CRS-3299 Practicum in Conflict Resolution Studies

Restrictions: Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Prerequisites:

Students are advised that certain courses have prerequisites. Courses with prerequisites are marked with an asterisk.

Practicum Opportunities:

Practicum placements enable students to develop skills and apply classroom theory to real-life situations. They may require significant preparatory work and generally last from three to six months in either a local or an international setting. It is preferred that students taking part in an international practicum do so prior to their final semester of courses. **Students must explore options with the Practicum Director well in advance of the term in which they propose to engage in these practicum activities.** To register, students need permission from the Practicum Director and they must have a cumulative grade point average of 2.75.

Required Core Courses for Practicum:

CRS-1200(6)	Introduction to Conflict Resolution Studies
CRS-2210(3)	Conflict Theory and Analysis*
CRS-2211(1.5)	Coaching Skills Workshop (formerly known as Conciliation Skills Workshop)*
CRS-3220(3)	Models for Conflict Transformation*
CRS-3221(1.5)	Mediation Skills Workshop*

COURSE LISTINGS

CRS Core Courses

These courses have been developed by CRS faculty to address core areas of importance to the theoretical and practical exploration of Conflict Resolution Studies. Introduction to Conflict Resolution Studies, Conflict Theory and Analysis, Models for Conflict Transformation, Conflict and Culture, and the Senior Seminar provide students with an overall framework for an understanding of the complexities of conflict in contemporary life and span all categories. The Coaching Skills Workshop, Mediation Skills Workshop, and Practicum provide grounding in basic skills necessary for effective conflict resolution. The remaining courses are organized in terms of three specific concentrations.

CRS-1200(6)	Introduction to Conflict Resolution Studies
CRS-2111(1.5)	Special Topics Workshop*
CRS-2210(3)	Conflict Theory and Analysis*
CRS-2211(1.5)	Coaching Skills Workshop (formerly known as Conciliation Skills Workshop)*
CRS-2241(3)	Conflict and Culture*
CRS-3220(3)	Models for Conflict Transformation*
CRS-3221(1.5)	Mediation Skills Workshop*
CRS-3298(6) or CRS-4200(3)	CRS-3299(3) Practicum in Conflict Resolution Studies* Senior Seminar in Conflict Resolution Studies*

CRS Course Concentrations

I) Conflict Resolution and Restorative Justice

CRS-2221(3)	Restorative Justice*
CRS-2232(3)	Introduction to Conflict Resolution in Educational Settings*
CRS-2242(3)	Methods of Conflict Resolution in Educational Settings*
CRS-2251(3)	Conflict in the Family I*
CRS-2252(3)	Conflict and Communication*
CRS-2261(3)	Conflict in the Family II*
CRS-2271(3)	Conflict within Groups*
CRS-2421(3)	Legal Systems and Alternative Dispute Resolution*
CRS-2431(3)	Negotiation Theory and Practice*
CRS-3231(3) or CRS-4231(3)	Ethics in Conflict Resolution*
CRS-3240(3)	Workplace Conflict Resolution*
CRS-3252(3) or CRS-4252(3)	Advanced Study of Conflict Within Groups*
CRS-4224(3)	Inner Peace and Conflict Transformation*
CRS-4240(3)	Workplace Conflict Resolution System Design*
CRS-4252(3)	Advanced Mediation Practice*

II) Peace Studies and Nonviolent Social Movements

CRS/HIST/MENN-2131(3)	History of Peace and Nonviolence I
CRS/HIST/MENN-2132(3)	History of Peace and Nonviolence II
CRS-2231(3)	Nonviolent Social Change*
CRS-2262(3)	Conflict, Faith and Community*
CRS/WGS-3242(3)	Women and Peacemaking*
CRS-3331(3)	Genocide, War and Violent Conflict*
CRS-3332(3)	Trauma and Violence*
CRS/IDS-3910(3)	Peace Theory and Practice*

CRS-3931(3) Human Rights and Conflict Resolution*
 CRS/HRGS-4350(3) Truth, Memory and Reconciliation*
 CRS/IDS-4910(3) Conflict and the Construction of the Other*

III) Conflict, Poverty, and Development

CRS/IDS-2443(3) Conflict and Development Issues in Indigenous Communities*
 CRS/HRGS-3410(3) Transitional Justice*
 CRS/IDS-3901(3) Humanitarian Aid and Conflict: Do No Harm*
 CRS/IDS-4920(3) Program Planning in Development and Conflict Resolution*
 CRS/IDS-4922(3) Program Evaluation in Development and Conflict Resolution*

CRS Special Courses

These courses are offered on an occasional basis as the opportunity arises. The specific course concentration depends on the topic of the course at any given time. Consult the MSC Academic Advisor or Program Coordinator for details.

CRS-2111(1.5) Special Topics Workshop
 CRS-2281(3) Selected Topics in Conflict Resolution Studies
 CRS-3262(3) Critical Issues in Conflict Resolution

CRS Area Courses

Area courses are rooted in traditional disciplines as well as other interdisciplinary programs and address issues that are directly relevant to the CRS Program. These courses are organized below into the three general categories emphasized through the CRS course concentrations, although any of these courses may relate to more than one of the CRS concentrations. Categories of research and language skills are included to emphasize the specialized cognate courses recommended for the 4-year program.

Note: Most courses from other departments and programs will have their own prerequisites. Courses requiring prerequisites are marked with an asterisk. It is the student's responsibility to determine what the prerequisites are.

Note: The Area Courses list is meant to be a list of courses complementary to the special interests of CRS students. Because curriculum offerings keep changing, and because students may have some specific interests not included in the Area Courses list, students may make application to the CRS Program Coordinator to consider some other courses relevant to their major interests for inclusion as Area Courses.

Conflict Resolution and Restorative Justice

BUS-2103(3) Fundamentals of Organizational Behaviour*
 BUS-3110(3) Ethics in Management *
 CJ-2125(3) Crime Victims*
 CJ-2203(3) Institutional Corrections*
 CJ-2204(3) Community Corrections*
 CJ-3204(3) Crime Prevention*
 CJ-3500(3) Interpersonal Violence
 IDS/ENV-2521(3) Study of Voluntary Simplicity*
 PHIL-2202(3) Ethics in Medicine and the Law
 PHIL-2207(3) Philosophy of Law*
 PHIL-2252(3) Philosophy of the Social Sciences
 POL-2315(3) The Legal Process
 POL-4315(3) Strategic Planning in Organizations I*
 POL-4320(3) Strategic Planning in Organizations II*
 PSYC-2410(3) Social Psychology II*
 PSYC-2450(3) Organizational Psychology II*
 PSYC-3050(3) Culture and Psychology*
 PSYC-3450(3) Organizational Leadership and Decision Making*
 PSYC-3470(3) Psychology and the Law*
 PSYC-3480(3) Interpersonal Communication*
 PSYC-3740(3) Introduction to Family Processes
 PSYC-4450(3) Advanced Organizational Psychology*
 PSYC-4760(3) Introduction to Counselling Theory*
 PSYC-4770(3) Introduction to Interviewing*
 REL-2304(3) Crises of Faith in Contemporary Society
 REL-2507(3) Sexuality in the Religious Context
 REL-2513(3) Health, Healing and Spirituality in Cross-Cultural Perspective
 REL-3601(3) Storied Lives: Contemporary Spiritual Biographies and the Construction of Identity
 SOC-2103(6) Sociology of Families*
 SOC-2115(6) Sociology of Socialization and Development*
 SOC-2118(6) Sex and Gender Relationships*
 SOC-2119(6) Sociology of Law*
 SOC-2307(3) Sociology of Youth*
 SOC-3123(3) Crime, Victimization and Justice in Aboriginal Communities*
 SOC-3128(3) Sociology of Sexuality*
 SOC-3201(3) Sociology of Youth Justice*

SOC-3203(3) Theories of Penalty*
 SOC-3205(3) Policing, Governance and Security*

Peace Studies and Social Movements

CLAS-2020(6) Athenian Law and Society
 CLAS-2701(6) Classical Mythology
 CLAS-2702(3) Religion in Greece and Rome
 ENGL-2722(6) Postcolonial Literatures and Cultures*
 ENGL-3151(6) Critical Theory: An Introduction*
 ENGL-3180(6) The Making of Peace and War in Literature*
 ENGL-3901(6) Queer Literature, Culture and Theory*
 ENGL-4110(6) Critical Theory*
 GEOG-2408(3) Environmental Perception and Human Behaviour*
 HIST-3112(6) Militarism in the Modern World
 HIST-3542(6) Gender, Class and Ethnicity in Canadian History
 HIST-4530(6) Advanced Studies in Canadian Social History
 IS-3100(3) International Rights of Indigenous Peoples*
 MENN/HIST-3108(3) Gender and Mennonites
 PHIL-2208(3) War and Peace
 POL-2400(6) Canadian Politics
 POL-2410(6) Human Rights and Civil Liberties in Canada
 POL-2505(3) Issues in City Politics
 POL-3110(3) International Organization*
 POL-3115(3) Gender and Global Politics*
 POL-3120(3) International Law*
 POL-3135(3) Critical Security Studies*
 POL-3320(3) Women and the Law
 POL-3400(3) Aboriginal Politics in Canada
 POL-3405(3) Aboriginal Politics in Manitoba
 POL-3411(3) Aboriginal People and the Law I
 POL-3415(3) Aboriginal People and the Law II
 POL-3510(3) Interest Groups and New Social Movements
 POL-4510(3) Law and Politics of Social Change*
 REL-2402(3) Fundamentalisms in Global Perspective
 REL-2404(3) Religion and Culture: Religions in Encounter and Change
 REL-2405(3) Religion and Culture: The Multifaith Society
 REL-2711(3) Contemporary Islam

REL-2801(3)	Introduction to Aboriginal Spirituality
REL-2802(3)	Aboriginal and Christian Encounter
RHET-3138(3)	Modern Rhetorical Theory*
SOC-2110(6)	Social Change*
SOC-3214(3)	Mass Communication and Media*
SOC-3215(3)	Popular Culture*
WGS-4004(3)	Cultural Studies and Feminism*
WGS-4232(3)	Practical Feminisms*

Conflict, Poverty and Development

ANTH/IDS-2160(3)	Indigenous People and the Industrial State*
ANTH/IDS-3160(3)	Cultural Perspectives on Global Processes*
ECON-2303(3)	Labour Economics*
ECON-2317(3)	Environmental Economics*
HIST-2509(6)	History of the Aboriginal Peoples of Canada
HIST-2510(3)	Aboriginal Peoples of Canada to 1815
HIST-2511(3)	Aboriginal Peoples of Canada since 1815
HIST-4570(6)	Aboriginals and Newcomers in Encounter: Selected Topics
IDS-2110(3)	Participatory Local Development*
IDS-2131(3)	Rural Development*
IDS/MENN-3150(3)	Mennonite Community and Development*
MENN-2101(3)/HIST-2108(3)	Mennonite Studies I
MENN/HIST-3116(3)	Mennonites and World Issues
PHIL-2233(3)	Environmental Ethics
POL-4301(6)	Administrative Theory*
SOC-2105(6)	Race, Ethnic and Aboriginal Relations*
SOC-3101(3)	Globalization and Social Justice: A Sociological Perspective*
SOC-3104(6)	Globalization and Societies in the World System*
SOC-4413(6)	Seminar in Race and Ethnic Relations*

Research Skills Courses

ANTH-3125/4125(3)	Ethnographic Research Methods*
CJ-2101(3)	Criminal Justice Research Methods*
CRS/IDS-3920(3)	Action Research Methods*
POL-3224(3)	Research Project Design
PSYC-2101(3)	Introduction to Data Analysis*
PSYC-2102(3)	Introduction to Research Methods*
PSYC-4100(6)	Research Design and Data Analysis*
PSYC-4410(3)	Research Seminar in Social Psychology*
REL-3804/4804(3)	Aboriginal Spirituality: Research Methods*
RHET-2135(3)	Rhetorical Criticism*
SOC-2125(3)	Introduction to Quantitative Research Methods*
SOC-2126(3)	Introduction to Research Design and Qualitative Research*
WGS-3200(6)	Feminist Research Methods*

Language Skills Courses

ABOR-1101(6)	Introductory Cree
ABOR-1201(6)	Introductory Ojibwe
EALC-1100(6)	Introduction to Japanese Language
EALC-1200(6)	Introduction to Chinese Language
FREN-1001(6)	Introductory French*
FREN-1111(6)	Practical Language Skills*
GERM-2201(6)	Intermediate German*
ITAL-1001(6)	Introductory Italian
REL-2010(6)	Introduction to Modern Standard Arabic*
SPAN-1001(6)	Introductory Spanish
SPAN-2001(6)	Intermediate Spanish*

*Requires prerequisite.

COURSE DESCRIPTIONS

CRS-1200(6) INTRODUCTION TO CONFLICT RESOLUTION STUDIES (Le3)

This course is designed to develop an understanding of the roots and the nature of human conflict, of responses to conflict, and of models for constructive ways to deal with human conflict between individuals, groups, and nations. The themes of anger, violence, creative dimensions of conflict, mediation, and resolution will be examined from an interdisciplinary perspective.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2100(6).

CRS-2111(1.5) SPECIAL TOPICS WORKSHOP (Le3) This workshop offers students the opportunity to learn and practice various conflict resolution skills used within a wide variety of settings. Areas of study may include topics such as compassionate listening, faith-based community peacebuilding, identity conflict resolution skills, and diversity awareness training. This course may be repeated for credit when topic varies.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-2131(3) HISTORY OF PEACE AND NONVIOLENCE I (Le3)

This course examines the history of pacifism, peace movements, and nonviolence from ancient times to the 1700s. It focuses in particular on Europe, with special emphasis on the period from ancient Greece and Rome to Early Modern times in Western Europe. The course also addresses history of peace in other parts of the world. Thus, it contrasts Christian traditions of nonviolence with those of Hindu, Buddhist and other eastern traditions. For case studies, the course examines Mennonite communities in 16th and 17th century Switzerland and the Netherlands.

CROSS-LISTED: History HIST-2131(3) and Mennonite Studies MENN-2131(3).

CRS-2132(3) HISTORY OF PEACE AND NONVIOLENCE II (Le3)

This course examines the history of pacifism, peace movements, and nonviolence from the 1700s till the present. It focuses in particular on North America, but will also cover selected events in other parts of the world. The course, thus, contrasts Christian traditions of nonviolence with those of aboriginal, secular and eastern cultures. For case studies, the course examines Mennonite communities in 19th and 20th century Canada and the United States where Mennonites have embraced pacifism as a fundamental principle of social organization.

CROSS-LISTED: History and Mennonite Studies HIST/MENN-2132(3).

CRS-2210(3) CONFLICT THEORY AND ANALYSIS (Le3)

This course explores conceptual frameworks for analyzing and resolving social and interpersonal conflict. Course material includes selected personality theorists as well as significant theories of social conflict and change. Students critique various theoretical perspectives, evaluate the usefulness of these theories by applying them to different conflict situations, and develop their abilities to identify conflict resolution strategies appropriate to the conflict analysis.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CO-REQUISITE: CRS-2211(1.5)

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2102(3).

CRS-2211(1.5) COACHING SKILLS WORKSHOP (AV1.5)

(formerly known as Conciliation Skills Workshop) This workshop offers students the opportunity to learn and practice informal models of third party participation in conflict resolution. Areas to be covered include how to coach and prepare disputants effectively and how to facilitate informal mediation.

This workshop will be closely integrated and must be taken concurrently with Conflict Theory and Analysis (CRS-2210(3)).

PREREQUISITES: CRS-1200(6) or permission of instructor.

Co-REQUISITE: CRS-2210(3)

RESTRICTIONS: Students may not hold credit in both this course and the former CRS-2211(1.5) Conciliation Skills Workshop.

CRS-2221(3) RESTORATIVE JUSTICE (Le3) This course identifies the principles of restorative justice and explore the application of these principles in various contexts. This will include a critical assessment of various forms of victim offender mediation, as well as the application of restorative principles at various levels within the criminal justice system, as they affect victims, offenders, and the community. Alternative models of justice as a whole will also be considered.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-2231(3) NONVIOLENT SOCIAL CHANGE (Le3) This course explores the imperative of social change from a social justice perspective. After studying the meanings of power and its exercise as well as theories of non-violence, students are taken through the modalities of non-violent social action. The practicalities of planning, strategizing, and implementing non-violent struggle are covered through case study methodology. Students cover such topics as the formation of coalitions, getting media attention, framing messages, and mobilizing constituents. The course is designed to help students understand and participate more effectively in initiatives for non-violent social action.

PREREQUISITES: CRS-1200(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former CRS-2231(3) Violence and Nonviolence or CRS-2281(3) Special Topics: Creative Tools for Social Change.

CRS-2232(3) INTRODUCTION TO CONFLICT RESOLUTION IN EDUCATIONAL SETTINGS (Le3) This course presents an introduction to the theory and methods of conflict resolution, with special emphasis on conflict in educational settings. The course will help students understand the nature of human conflict, responses to conflict, and models for constructive ways to deal with conflict between and among individuals and groups. Topics will include anger, power, creative dimensions of conflict, and mediation. These will be examined from an interdisciplinary perspective.

PREREQUISITES: EDUC-1001(3) or EDUC-1801(3).

RESTRICTIONS: Students may not hold credit in both this course and CRS-1200(6) or the former MSC-2100(6).

CROSS-LISTED: Education EDUC-2232(3).

CRS-2241(3) CONFLICT AND CULTURE (Le3) This course explores the relationship between culture and conflict, from an interdisciplinary perspective. Students examine cultural differences in response to conflict, as well as the nature and origins of conflict between and among cultures, with special reference to the relationships between culture and alternatives in conflict resolution. Special attention will be given to inter-ethnic conflict in the modern world.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-2242(3) METHODS OF CONFLICT RESOLUTION IN EDUCATIONAL SETTINGS (Le3) This course provides practical applications of conflict resolution skills for teaching conflict resolution and for the implementation of conflict management programs from elementary to secondary levels. Practical skills for conflict resolution in the classroom, in the home, in the peer group, and in staff relations will be developed. Areas of skill learning include conflict mediation, listening skills, responding to anger and violence, and classroom management. A practicum component is included to provide the opportunity to link theory to practice.

PREREQUISITES: CRS-2232(3) or EDUC-1001(3) or EDUC-1801(3) AND CRS-1200(6).

CROSS-LISTED: Education EDUC-2242(3).

CRS-2251(3) CONFLICT IN THE FAMILY I (Le3) This course is designed to help students understand how conflict develops and manifests itself within familial relationships. Students study the nature of the family through the lens of a systemic perspective by examining family structure, communication patterns, and gender issues in relation to the family life cycle. Students learn to differentiate between destructive and constructive conflict processes in the family. They then progress to an understanding of how to transform antagonistic conflict into problem solving.

PREREQUISITES: CRS-1200(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2281(3) Selected Topics in CRS: Marriage, the Family and Conflict I.

CRS-2252(3) CONFLICT AND COMMUNICATION (Le3) This course provides some theoretical underpinnings of the dynamics of communication in interpersonal and small group conflict. Issues surrounding diversity are examined in depth, specifically with respect to individual and cultural differences. Direct instruction is provided in the analysis, development, and implementation of self-management and interpersonal communication skills to enhance healthy relationships and prevent dysfunctional conflict in daily life.

PREREQUISITES: CRS-1200(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2281(3) Selected Topics in CRS: Conflict and Communication.

CRS-2261(3) CONFLICT IN THE FAMILY II (Le3) Building upon the systemic family theory and the life cycle processes studied in Conflict in the Family I, this course closely examines specific family conflicts in marital relations, parents with younger children, parents with adolescents, single parents, step and blended families, and same-sex couples. Drawing from class discussion, the academic literature, and personal anecdotes, family relational conflict is explored for both its deepening potential and its inhibiting power.

PREREQUISITES: CRS-1200(6), CRS-2251(3) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2281(3) Selected Topics in CRS: Marriage, the Family and Conflict II.

CRS-2262(3) CONFLICT, FAITH AND COMMUNITY (Le3)

This course explores how conflict and conflict resolution are linked to personal faith and life in community. Students first have the opportunity to investigate what is meant by "faith" and "community." Students then explore how faith and community can shape their understanding of conflict and the practice of conflict resolution. Diverse views of conflict and faith developed by secular as well as various religious communities is examined.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-2271(3) CONFLICT WITHIN GROUPS (Le3) This course is designed to explore dyadic and group procedures to maintain harmony in relationships in various settings. It uses and builds upon the same understanding of interpersonal conflict theories and practice as in the parallel course Conflict and Communication. A personal style inventory tool which identifies individual and cultural differences is interpreted and utilized. Teaching/learning formats include mini-lectures, small and large group work, written and behavioural rehearsal skill development exercises, practice at facilitating use of videotaping, and transcript analysis. Each student will have the opportunity to custom design learning projects for himself/herself.

PREREQUISITES: CRS-1200(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course

and the former MSC-2281(3) Selected Topics in CRS: Conflict Within Groups.

CRS-2281(3) SELECTED TOPICS IN CONFLICT RESOLUTION STUDIES (Le3) The course is designed to introduce students to the reality and complexity of conflict situations within a number of settings, such as, small and large communities, organizations, and families. The course has a strong applied component, presenting specific mediation problems through a case study approach.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-2421(3) LEGAL SYSTEMS AND ALTERNATIVE DISPUTE RESOLUTION (ADR)(Le3) This course compares and contrasts legal and alternative dispute resolution processes, with special reference to the relative benefits and detriments of each. It also considers the possibilities for change in each process.

PREREQUISITES: CRS-1200(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2281(3) Selected Topics in CRS: Legal Systems and Alternative Dispute Resolution (ADR).

CRS-2431(3) NEGOTIATION THEORY AND PRACTICE (Le3) This course examines the theory and practice of negotiation, including topics such as negotiating skills, contextual factors, agreement implementation and follow-up, multilateral negotiation, and third party intervention.

PREREQUISITES: CRS-1200(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2281(3) Selected Topics in CRS: Negotiation and Practice.

CRS-2443(3) CONFLICT AND DEVELOPMENT ISSUES IN INDIGENOUS COMMUNITIES (Le3) Within the broad frameworks of international development and conflict resolution studies, this course explores the dynamics of indigenous people globally, with special reference to the Canadian context. The course describes key elements of indigenous cultures and world views. It examines inter- and intra-group conflict and conflict resolution processes involving indigenous communities. Processes of marginalization and underdevelopment are presented in order to understand the indigenous communities' social, economic, and political situations. Strategies for community development and conflict resolution are highlighted as means to achieve transformation.

PREREQUISITES: IDS-1100(6) or CRS-1200(6), or permission of instructor.

CROSS-LISTED: International Development Studies IDS-2443(3).

CRS-3220(3) MODELS FOR CONFLICT TRANSFORMATION (Le3) This course examines historical and contemporary models for nonviolent conflict transformation. Examples of conflicts are analysed using models such as Adam Curle's "progression of conflict" model and John Burton's Human Needs Theory.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CO-REQUISITE: CRS-3221(1.5)

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2103(3) or the former CRS-2220(3).

CRS-3221(1.5) MEDIATION SKILLS WORKSHOP (AV1.5)

This workshop focuses on the process and skills of interpersonal mediation. This is accomplished through small group interaction and participation in mediation simulations. Each mediation simulation group is coached by an experienced mediator. Students are exposed to a wide range of interpersonal conflict scenarios. This workshop is closely integrated with, and must be taken concurrently with, Models for Conflict Transformation (CRS-3220(3)).

PREREQUISITES: CRS-1200(6) or permission of instructor.

CO-REQUISITE: CRS-3220(3)

CRS-3231(3) ETHICS IN CONFLICT RESOLUTION (Le3) This course examines the ethical dimensions of conflict resolution. The first part of the course focuses on four ethical theories: Kantian, Consequentialism, Virtue and Principlism. The second part of the course draws on specific issues in conflict resolution, especially with reference to the mediation process, such as neutrality, justice and confidentiality. This part of the course includes the analysis of case studies and codes of professional conduct.

PREREQUISITE: CRS-1200(6) or permission of instructor

CRS-3240(3) WORKPLACE CONFLICT RESOLUTION (Le3)

This course examines contemporary workplace issues, causes of workplace conflict and a variety of dispute and conflict resolution responses such as negotiation, conciliation, mediation, grievance procedures, and arbitration as well as tribunals such as labor relations boards and human rights commissions. Examination of approaches to conflict resolution in the workplace includes reference to such issues as violence, bullying, harassment, organizational culture, "constructive dismissal," and other workplace concerns.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-3242(3) WOMEN AND PEACEMAKING (Le3) This course addresses, from an interdisciplinary perspective, both theoretical and practical contributions that women have made to peacemaking in the modern world. It includes analysis of women's involvement in peace action, research, and education. Attention is given to the challenges that activists face in organizing around their identity as women, such as the challenge of building common ground among women with varied experiences and concerns.

PREREQUISITES: CRS-1200(6) or WGS-1232(6) or permission of instructor.

CROSS-LISTED: Women's and Gender Studies WGS-3242(3)

CRS-3252(3) ADVANCED STUDY OF CONFLICT WITHIN GROUPS (Le3) This course explores complex group conflict and appropriate models and strategies of intervention via analyses of case studies. Students have the opportunity to examine and develop specific procedures, techniques, and skills at an advanced level to facilitate proactive healthy group processes and work through dysfunctional group conflict. Intensive work in small groups and transcript analysis is utilized.

PREREQUISITES: CRS-1200(6), CRS-2252(3) and CRS-2271(3) or permission of instructor.

CRS-3262(3) CRITICAL ISSUES IN CONFLICT RESOLUTION (Le3) Using the perspectives of conflict resolution studies, this course examines issues of current social controversy as instances of social conflict, including the analysis of characteristics of conflict and directions for the field of conflict resolution. Specific issues examined vary from year to year, but may include such topics as native/aboriginal issues, alternative healing models, and issues of conflict and spirituality.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-3292(6) DIRECTED READINGS IN CONFLICT RESOLUTION STUDIES (D) In this course, readings and assignments in the area of Conflict Resolution Studies are arranged between an individual student and the instructor.

PREREQUISITES: CRS-1200(6), CRS-2210(3), CRS-3220(3), AND a minimum of ONE course from the Core Courses section AND permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former CRS-3101(6). This course is only available to students in their final year of classes and with a declared major in CRS.

CRS-3293(3) DIRECTED READINGS IN CONFLICT RESOLUTION STUDIES (D) This course is designed for senior students with exceptional potential in the field of Conflict Resolution. All reading requirements in the course are selected and directed by a specialist in this field.
PREREQUISITES: CRS-1200(6), CRS-2210(3), CRS-3220(3), a minimum of ONE course from the Core Courses section, AND permission of instructor.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3292(6).

CRS-3294(3) PRACTICUM IN CONFLICT RESOLUTION STUDIES (AV) This program is designed for students to integrate their academic learning in settings of supervised 'field' experiences. The practicum involves voluntary work with a relevant agency, exposing students to actual work settings where they can apply their insights about conflict and its resolution. Students integrate theory with practice through seminar participation and academic assignments.
Note: Students must complete both this course and CRS-3295(3) to fulfill their 6 credit hour Practicum requirement.
PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3), permission of Menno Simons College Practicum Director, AND a minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3298(6). This is a limited enrollment course and is generally only available to students in overseas placements or in designated local practicum placements.

CRS-3295(3) PRACTICUM IN CONFLICT RESOLUTION STUDIES (AV) This program is designed for students to integrate their academic learning in settings of supervised 'field' experiences. The practicum involves voluntary work with a relevant agency, exposing students to actual work settings where they can apply their insights about conflict and its resolution. Students integrate theory with practice through seminar participation and academic assignments.
Note: Students must complete both this course and CRS-3294(3) to fulfill their 6 credit hour Practicum requirement.
PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3), permission of Menno Simons College Practicum Director, AND a minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3298(6). This is a limited enrollment course and is generally only available to students in overseas placements or designated local practicum placements.

CRS-3296(1.5) PRACTICUM IN CONFLICT RESOLUTION STUDIES (AV) This program is designed for students to integrate their academic learning in settings of supervised 'field' experiences. The practicum involves voluntary work with a relevant agency, exposing students to actual work settings where they can apply their insights about conflict and its resolution. Students integrate theory with practice through seminar participation and academic assignments.
Note: Students must complete both this course and CRS-3297(1.5) to fulfill their 3 credit hour Practicum requirement.
PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3), permission of Menno Simons College Practicum Director, AND a minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3299(3). This is a limited enrollment course.

CRS-3297(1.5) PRACTICUM IN CONFLICT RESOLUTION STUDIES (AV) This program is designed for students to integrate their academic learning in settings of supervised 'field' experiences. The practicum involves voluntary work with a relevant agency, exposing students to actual work settings where they can apply their insights about conflict and its

resolution. Students integrate theory with practice through seminar participation and academic assignments.
Note: Students must complete both this course and CRS-3296(1.5) to fulfill their 3 credit hour Practicum requirement.
PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3), permission of Menno Simons College Practicum Director, AND a minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3299(3). This is a limited enrollment course.

CRS-3298(6) PRACTICUM IN CONFLICT RESOLUTION STUDIES (AV) This program is designed for students to integrate their academic learning in settings of supervised 'field' experiences. The practicum involves voluntary work with a relevant agency, exposing students to actual work settings where they can apply their insights about conflict and its resolution. Students integrate theory with practice through seminar participation and academic assignments.
PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3), permission of Menno Simons College Practicum Director, AND a minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3294(3) and CRS-3295(3). This is a limited enrollment course and is generally only available to students in overseas placements or in designated local practicum placements.

CRS-3299(3) PRACTICUM IN CONFLICT RESOLUTION STUDIES (AV) This program is designed for students to integrate their academic learning in settings of supervised 'field' experiences. The practicum involves voluntary work with a relevant agency, exposing students to actual work settings where they can apply their insights about conflict and its resolution. Students integrate theory with practice through seminar participation and academic assignments.
PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3), permission of Menno Simons College Practicum Director, AND a minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3296(1.5) and CRS-3297(1.5). This is a limited enrollment course.

CRS-3331(3) GENOCIDE, WAR AND VIOLENT CONFLICT (Le3) Genocide, war, and violent conflict are among the most pressing problems investigated by conflict analysts. This course helps students interpret and understand unfolding situations of large-scale violence in the world. To aid that process we examine a variety of theoretical approaches, case studies, and core debates in the area from an interdisciplinary perspective. Contemporary efforts to ameliorate selected cases of violent conflict, war, and genocide are also examined.
PREREQUISITES: CRS-1200(6), or permission of instructor.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3262(3) Critical Issues: Violent Conflict, War and Genocide.

CRS-3332(3) TRAUMA AND VIOLENCE (Le3) This course explores serious, violent conflict with attention to the multifaceted causes, dynamics, and traumatic consequences of violence. It considers these issues at all relevant levels, including intrapersonal, interpersonal, familial, community, and national. Students are exposed to the existing knowledge base in research and crisis theory, and also observe and study practical skills for crisis first aid and community longer-term intervention.
PREREQUISITES: CRS-1200(6) or permission of instructor.
RESTRICTIONS: Students may not hold credit in both this course and CRS-3262(3) Critical Issues: Traumatic Conflict.

CRS-3410(3) TRANSITIONAL JUSTICE (Le3) This course examines transitional justice, the processes by which societies deal with the legacy of widespread human rights abuses after a period of oppression or violent conflict in order to achieve the transition to a just and stable society. The course investigates a variety of transitional justice mechanisms, such as reparations, truth commissions, reconciliation activities, and criminal tribunals.

PREREQUISITES: POL-2101(6) or permission of instructor.

CROSS-LISTED: Human Rights and Global Studies HRGS-3410(3)

CRS-3901(3) HUMANITARIAN AID AND CONFLICT: DO NO HARM (Le, S3) The problems of providing humanitarian aid in complex emergencies, that is, where need is created in part by armed conflict, are the focus of this course. In such settings, both material aid and intervention have multiple impacts. This course addresses the nature of contemporary armed conflicts and the role they play in generating complex emergencies, the forms of humanitarian aid provided in complex emergencies, and debates about the effectiveness and appropriateness of different kinds of aid. Through analysis of aid's impact on the conflict and its effectiveness at meeting human needs, we explore models of humanitarian aid provision that minimize negative impacts.

PREREQUISITES: CRS-1200(6) or IDS-1100(6) and 45 credit hours of university credit, or permission of the instructor.

CROSS-LISTED: International Development Studies IDS-3901(3)

CRS-3910(3) PEACE THEORY AND PRACTICE (Le, S3) This course investigates theories of peace. Theories of war and the practice of warfare have been studied a great deal; theories of peace and the practice of peace have been studied less. The course begins with attempts to define peace—a task as difficult as that of defining war and conflict—by drawing on key studies by peace research scholars like Galtung, Reardon, and Elshstain. The course is conducted in a modified seminar format (half the course in large group format, the remainder utilizing small group problem-based learning).

PREREQUISITES: CRS-1200(6), IDS-1100(6) or permission of instructor.

CROSS-LISTED: International Development Studies IDS-3910(3)

CRS-3920(3) ACTION RESEARCH METHODS (Le1, S2) This course investigates the contemporary research and field work methods commonly used by researchers and practitioners in the field of international development studies. The course emphasizes activities that are necessary to prepare the student to conduct research in the field. Issues in data collection and in the context of field work are discussed. The following are some of the topics and techniques that are dealt with in the course: planning for research, random sampling and surveys, participatory rural appraisal, interviewing techniques, life history analysis, conducting focus groups, integrating qualitative and quantitative method, and post-field work activities.

PREREQUISITES: CRS-1200(6), IDS-1100(6) or permission of instructor.

CROSS-LISTED: International Development Studies IDS-3920(3)

CRS-3931(3) HUMAN RIGHTS AND CONFLICT

RESOLUTION (Le3) Human rights advocates and conflict resolution practitioners both aim to build peaceable societies based on mutual respect and the rule of law. Rights advocates typically push the justice agenda while conflict resolution practitioners strive for transformation often without utilizing human rights norms and institutions as a basis for stability. This course systematically evaluates the tensions and parallels between the two fields, examining some of the ways in which human rights and conflict resolution scholars and practitioners can interact in their approaches. Basic human rights concepts are introduced and case studies are used in an exploration of the issues.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CROSS-LISTED: Human Rights and Global Studies HRGS-3931(3)

CRS-4200(3) SENIOR SEMINAR IN CONFLICT

RESOLUTION STUDIES (S3) This course is intended to provide a broad overview of the field of Conflict Resolution Studies, emphasizing major theoretical themes (interests, debates, contentions, etc.) in the context of a collaborative seminar format. The course attempts to demonstrate the unity in the field at all social levels and the importance of general theories and practical approaches for addressing different types of social conflicts. Students examine the construction and application of conflict resolution theory at interpersonal/organizational and community/global levels of analysis. They investigate theoretical linkages between these levels of analysis and explore their implications for practical application contexts.

PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3) or permission of instructor.

CRS-4224(3) INNER PEACE AND CONFLICT

TRANSFORMATION (Le3) The course explores the nature of inner conflict, based on knowledge and skills developed through the study of interpersonal, inter-group, and other levels of conflict. Inner conflict is viewed not as a problem or failure but as a normal and natural aspect of human experience. Inner peace is defined as a state of balance or equilibrium between the present and the emergent self. Inner conflict transformation is seen to be an ongoing process of growth and change.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-4240(3) WORKPLACE DISPUTE SYSTEM DESIGN

(Le3) The course is designed to develop an understanding of the nature and causes of conflict in the workplace and the implementation of conflict resolution systems within the organization. Areas of study include systems design related to the organizational culture, context, and structure. It examines past and current conflict resolution systems, structures that are necessary to support conflict management systems, and emerging trends in workplace dispute systems design. The course then studies organizational advantages and disadvantages of investing in dispute systems design.

PREREQUISITES: CRS-1200(6), CRS-3240(3) or permission of instructor.

CRS-4252(3) ADVANCED STUDIES IN MEDIATION

PRACTICE (Le3) The course provides an in-depth examination of contemporary developments and issues in the theory and practice of mediation as a method for conflict resolution. These are examined in several different contexts where mediation is practiced, including areas such as victim-offender conflict, family and divorce, labour-management relations, environmental issues, conflict in schools, and international relations. In each case the examination emphasizes the social-structural circumstances that influence the nature of mediation practice. The course draws extensively on research findings and case-study materials relating to the contemporary practice of mediation.

PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2281(3) Selected Topics in CRS: Case Studies in Mediation or the former CRS-3241(3).

CRS-4350 (3) TRUTH, MEMORY AND RECONCILIATION

(Le3) The suffering from atrocities during war-time is often seen as producing lingering individual and collective trauma, contributing to either personal dysfunction or successive cycles of violence where oppressed groups become the perpetrators in future regimes or conflicts. This course probes the roles of memory in transitional societies, with particular emphasis on using memory to strengthen mechanisms for justice and human rights. Reconciliation projects, ranging from community-based

initiatives to formal legislated undertakings such as truth and reconciliation commissions, are examined in depth.

Prerequisite: HRGS-3410(3) or permission of the instructor.

CROSS-LISTED: Human Rights and Global Studies HRGS-4350(3).

CRS-4910(3) CONFLICT AND THE CONSTRUCTION OF THE OTHER (S3) This seminar addresses a central question raised in post-colonial theory about the way humans construct and maintain an understanding of the Other. We ask the question, "Have scholars found the idea of the Other useful as a synthesizing concept?" This problem-based, interdisciplinary seminar considers particular sites of struggle in cultural, social, and individual contexts. Finally, we ask about the implications of this inquiry for our cultural, social, and individual circumstances.

PREREQUISITES: CRS-1200(6), CRS-2210(3), CRS-3220(3) or IDS-1100(6), IDS-2110(3) (or the former IDS-3110(3)), IDS-3111(3) or permission of instructor.

CROSS-LISTED: International Development Studies IDS-4910(3).

CRS-4920(3) PROGRAM PLANNING IN DEVELOPMENT AND CONFLICT RESOLUTION (Le2, S1) Program planning is a critical first step in most interventions by development and conflict resolution organizations. This course covers blueprint planning required for preparation of funding proposals and various forms of strategic and participatory planning required for the application of results-based management and learning approaches during program implementation. Current debates regarding approaches to planning are also reviewed. Students acquire skills necessary for conceptualizing and implementing international or domestic projects undertaken by non-governmental organizations: needs assessment, goal and purpose identification, formulation of logframe, workplan and budget, and preparation of a funding proposal.

PREREQUISITES: IDS-1100(6) or CRS-1200(6) or permission of instructor.

CROSS-LISTED: International Development Studies IDS-4920(3).

CRS-4922(3) PROGRAM EVALUATION IN DEVELOPMENT AND CONFLICT RESOLUTION (Le2, S1)

Evaluating programs is a means of systematically assessing interventions designed to promote development and conflict resolution. This course covers formative evaluations required for program decision-making and summation evaluations applicable for analyzing outcomes and impacts to determine relevance, effectiveness, efficiency, sustainability and potential for replication of programs normally implemented by non-governmental organizations. Current debates in approaches to evaluation are also reviewed. Students acquire skills in: selecting relevant quantitative and qualitative indicators, various approaches to obtain measures for the indicators selected, approaches to analyzing collected data, and effective presentation of evaluation conclusions and recommendations. Cost-benefit analysis is covered in ECON-3316(3).

PREREQUISITES: IDS-1100(6) or CRS-1200(6) or permission of instructor.

CROSS-LISTED: International Development Studies IDS-4922(3).

COOPERATIVE EDUCATION (COOP)

Updated March 28, 2013

INTRODUCTION

The University offers opportunities for applied and experiential learning through cooperative work experiences, or co-ops, internships, practica, and fieldwork. Several departments and faculties have experiential learning courses and other opportunities established as courses within their own curricula. The Co-op courses provide a university-wide means for departments or faculties to organize and recognize paid work terms as experiential learning opportunities for their students. For more information please consult <http://www.uwinnipeg.ca/index/co-op-program>.

COURSE LISTINGS

COOP-2999(0)	CO-OP WORK TERM I
COOP-3999(0)	CO-OP WORK TERM II
COOP-4999(0)	CO-OP WORK TERM III

COURSE DESCRIPTIONS

COOP-2999(0) CO-OP WORK TERM I (AV) This course offers a co-operative work placement or other experimental learning opportunity adaptable to a wide variety of contexts and disciplines. Students register for this course when entering their first work term placement towards a co-op designation on a degree. The evaluation of the student's performance is determined by the employer's performance evaluation, a work-term performance report submitted by the student, and the departmental co-operative supervisor's evaluation. This course is graded on a pass/fail basis. It may be completed more than once for recognition on the student record. Formal co-op designation requires the completion of three work terms, i.e., 2999, 3999, and 4999.

PRE-REQUISITES: Permission of instructor.

ADDITIONAL REQUIREMENTS: Students normally must have first-year standing before registering for this course.

COOP-3999(0) CO-OP WORK TERM II (AV) This course offers a co-operative work placement or other experimental learning opportunity adaptable to a wide variety of contexts and disciplines. Students register for this course when entering their second or subsequent work term placement towards a co-op designation on a degree. The evaluation of the student's performance is determined by the employer's

performance evaluation, a work-term performance report submitted by the student, and the departmental co-operative supervisor's evaluation. This course is graded on a pass/fail basis. It may be completed more than once for recognition on the student record. Formal co-op designation requires the completion of three work terms, i.e., 2999, 3999, and 4999.

PRE-REQUISITES: COOP-2999(0) and permission of instructor.

COOP-4999(0) CO-OP WORK TERM III (AV) This course offers a co-operative work placement or other experimental learning opportunity adaptable to a wide variety of contexts and disciplines. Students register for this course when entering their third or subsequent work term placement towards a co-op designation on a degree. The evaluation of the student's performance is determined by the employer's performance evaluation, a work-term performance report submitted by the student, and the departmental co-operative supervisor's evaluation. This course is graded on a pass/fail basis. It may be completed more than once for recognition on the student record. Formal co-op designation requires the completion of three work terms, i.e., 2999, 3999, and 4999.

PRE-REQUISITES: COOP-3999(0) and permission of instructor.

CRIMINAL JUSTICE

Updated March 2, 2013

Chair: Associate Professor S. Kohm Incoming Chair starting July 1, 2013; Professor Michael Weinrath, chair until June 30th, 2013, Associate Professors; R. Jochelson; Instructors J. Lothian Murray, K.Gorkoff, J. Franklin; Lecturers; Michelle Bertrand

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA

INTRODUCTION

The Criminal Justice program concerns itself with crime, offenders, victims, the criminal justice system and other forms of social sanctions and controls. Our students become familiar with historical and contemporary explanations of crime, and the research literature on criminal justice agencies such as the police, the courts and corrections. Students are challenged to think critically about the key issues confronting the criminal justice system, the strengths and weaknesses of possible reforms, and the ethical dilemmas facing criminal justice practitioners.

Graduates may find career opportunities in policing and law enforcement, institutional, community or youth corrections, victim services, criminal justice or social welfare programming, evaluation and research. The program also provides a strong background for those who wish to pursue graduate studies or law school.

REQUIREMENTS FOR A 3-YEAR BA IN CRIMINAL JUSTICE

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 Credit hours.

RESIDENCE REQUIREMENT

Degree: Minimum 30 hours.
Major: Minimum 18 hours.

GENERAL DEGREE REQUIREMENT

Humanities: 12 Credit Hours in Humanities.
Science: 6 Credit Hours in Science.
Writing: 3 Credits in Academic Writing
Maximum Introductory Courses: Students may take a maximum of 42 hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major Minimum 36 credit hours.
Double Major Minimum 36 credit hours in Criminal Justice Studies and a specified number of credits in second Major. Courses that are credited to the Criminal Justice Major may also be counted in the second major if they meet the requirements of the second major. Students are advised to consult with major advisor in the appropriate department with respect to course requirements in the second Major.

Required Courses

CJ-1101(6) Introduction to Criminal Justice
CJ-2100(3) Foundations of Criminal Justice
CJ-2101(3) Criminal Justice Research Methods
CJ-2130(3) Criminal Law
CJ-3205(3) Professional Ethics

Plus an **additional** 12 credits from Criminal Justice courses. The remaining 6 credits must be taken from Interdisciplinary Electives.

Students may meet the Criminal Justice Research Methods CJ-2101/3, requirement by instead taking Sociology **SOC-2125(3) & SOC-2126(3)**; or Psychology **PSYC-2101(3) & PSYC-2102(3)**. Two courses must be completed in these other departments to meet the methods requirement.

Combined Major Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.

REQUIREMENTS FOR A 4 YEAR IN CRIMINAL JUSTICE

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 120 credit hours.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours.
Major: Minimum 30 credit hours.
Double Major: Minimum 30 credit hours in each Major.
Combined Major: Minimum 15 credit hours in each Major.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities.
Science: 6 credit hours in Science.
Social Sciences: 12 credit hours in Social Sciences.
Writing: 3 credit hours in Academic Writing
Maximum Introductory Courses: Students may take a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours / maximum 66 credit hours.
Double Major: Minimum 48 credit hours in each Major subject; a minimum of 48 credit hours in Criminal Justice. Courses that are credited to the Criminal Justice Major may also be counted in the second Major if they meet the requirements of the second Major. Students are advised to consult with a Major advisor in the appropriate department with respect to course requirements in the second Major.
Cognates: Minimum of 18 credit hours / Maximum of 36 credit hours in ancillary / related courses. Maximum total of cognate and major courses is 84 credit hours combined.
Combined Major: Minimum 60 credit hours from two Major subjects with not less than 24 credit hours from each major subject.

Required Courses– 24 credit hours

CJ-1101(6) Introduction to Criminal Justice
CJ-2101(3) Criminal Justice Research Methods
CJ-2100(3) Foundations of Criminal Justice
CJ-2130(3) Criminal Law
CJ-2120(3) Policing
CJ-2203(3) Institutional Corrections
CJ-3205(3) Professional Ethics

Plus an **additional 18** credit hours of Criminal Justice courses (not including CJ-2120(3) and CJ-2203(3)). The remaining **6** credit hours must be taken from Interdisciplinary Electives

Note: Students may meet the Criminal Justice Research Methods CJ-2101/3, requirement by instead taking Sociology **SOC-2125(3) & SOC-2126(3)**; or Psychology **PSYC-2101(3) & PSYC-2102(3)**. Two courses must be completed in these other departments to meet the methods requirement.

REQUIREMENTS FOR AN HONOURS BA IN CRIMINAL JUSTICE

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.
Students must see a Departmental advisor to be admitted into the program
Entry into the program, continuing in the program, and graduation require a minimum GPA of 3.0 (B) in Honours subject courses and 2.5 (C+) in Non-Honours subject courses.
The minimum GPA 2.5 GPA (C+) in all Non-Honours Subjects will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 Hours.
Honours: Minimum 30 credit hours, including a minimum of 18 credit hours at the upper level (3000-4000) of which a minimum 9 must be taken at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 Credit Hours in Humanities.
Science: 6 Credit Hours in Science.
Writing: 3 Credits in Academic Writing
Maximum Introductory Courses: Students may take a maximum of 42 hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) hours from each of five (5) different subjects.

Honours Requirement

Single Honours: Minimum 54 credit hours /Maximum 78 credit hours in the Honours subject.
Minimum 30 credit hours at the upper level (3000-4000)
Minimum 18 credit hours in 4000-level Honours courses.
Double Honours: Minimum 36 credit hours in each Honours subject.
Minimum 24 credit hours in 4000-level Honours courses in the Criminal Justice component of the double Honours. For the requirements of the Honours subject, consult the department involved.

Required 4000 level courses Honours:

CJ-4100(6) Capstone Course in Criminal Justice
CJ-4116(3) Program and Policy Evaluation
CJ-4130(3) Advanced Criminal Law

Elective courses at the 4000 Level

CJ-4105(3) Seminar in Youth and CJ
CJ-4400(3) Selected Topics in CJ
CJ-4800(6) Research Field Practicum
CJ-4200(3) Gangs, Crime, & the Inner-City
CJ-4300(3) Critical Criminal Justice Theory

3000 Level courses

CJ-3107(3) Criminal Justice and the Media	CJ-3117(3) Crime Careers
CJ-3201(3) Comparative Crime & CJ	CJ-3204(3) Crime Prevention
CJ-3121(3) Race Relations and the CJS	CJ-3400(3) Selected Topics in Criminal Justice
CJ-3122(3) Criminal Intelligence Analysis	CJ-3500(3) Interpersonal Violence
CJ-3130(3) Criminal Procedure	
CJ-3133(3) Sex and the Criminal Law	

Interdisciplinary Electives * (maximum 6 credit hours)

Aboriginal Governance

AG-4022/7022(3) Indigenous Research Methods and Ethics

Psychology*PSYC-4100(6) Intern Research Design

Sociology*

SOC-4116(3) Seminar on Quantitative Methods
SOC-4126(3) Seminar on Qualitative Methods
SOC-4406(6) Seminar in Crime, Law and Society

Politics*

POL-4115(3) Seminar in International Law
POL-4215(6) Seminar in Political Thought
POL-4301(6) Administrative Theory
POL-4501(3) Law and Politics of Social Change
POL-4515(6) Inner City Seminar
POL-4305(3) Administrative Law

*Must have prerequisites for these courses, or permission of department/instructor.

GENERAL INFORMATION

Prerequisites

A minimum 2.0 overall GPA is required for acceptance to the Major Program. **Certain courses listed as part of the Criminal Justice Major require prerequisites.** Prior to registering for a course, students should carefully check the course description provided by the department in question and determine whether or not the course has a prerequisite. Students with an interest in the Criminal Justice major are encouraged to take Introduction to Criminal Justice and Introduction to Sociology during their first year.

COURSE LISTINGS

Core Courses

The Criminal Justice curriculum is arranged so that students will get a strong grounding in police, courts and corrections, theory and methods. The first two years of the program are organized around these core areas. Third year offerings are integrated with other Departments and provide considerable flexibility for students who wish to specialize in courses related to policing, courts or corrections, criminology, sociology, psychology, or other disciplines.

CJ-1101(6)	Introduction to Criminal Justice	CJ-2130(3)	Criminal Law
CJ-2100(3)	Foundations of Criminal Justice	CJ-3205(3)	Professional Ethics
CJ-2101(3)	Criminal Justice Research Methods		

Criminal Justice

CJ-2120(3)	Policing in Canada		
CJ-2125(3)	Crime Victims	CJ-3400(3)	Selected Topics in Criminal Justice
CJ-2203(3)	Institutional Corrections		
CJ-2204(3)	Community Corrections	CJ-3500(3)	Interpersonal Violence
CJ-3107(3)	Criminal Justice and the Media	CJ-3800(6)	Criminal Justice Field Placement
CJ-3117(3)	Crime Careers		
CJ-3121(3)	Race Relations and the Criminal Justice System	CJ-4100(6)	Capstone Course in Criminal Justice
CJ-3122(3)	Criminal Intelligence Analysis	CJ-4105(3)	Seminar in Youth and CJS
CJ-3130(3)	Criminal Procedure		
CJ-3133(3)	Sex and the Criminal Law	CJ-4116(3)	Program and Policy Evaluation
CJ-3201(3)	Comparative Crime and Criminal Justice	CJ-4130(3)	Advanced Criminal Law
CJ-3204(3)	Crime Prevention	CJ-4200(3)	Gangs, Crime, and the Inner-City Critical Criminal Justice Theory
		CJ-4300(3)	Selected Topics in CJ Research Field Practicum
		CJ-4400(3)	
		CJ-4800(6)	

Experimental Courses:

CJ-3470(3)	Forensic Psychology
------------	---------------------

Interdisciplinary Electives

Anthropology

ANTH-2304(3)	Introduction to Forensic Anthropology
ANTH-2103(3)	Ethnography of Native Peoples of Canada

Sociology

SOC-2105(6)	Race, Ethnic & Aboriginal Relations
SOC-2107(3)	Criminological Theory
SOC-2125(3)	Intro to Quantitative Research Methods
SOC-2126(3)	Intro to Qualitative Research Methods
SOC-3203(3)	Theories of Penalty
SOC-3201(3)	Sociology of Youth Justice
SOC-3213(3)	White Collar and Corporate Crime
SOC-3223(3)	Green Criminology
SOC-3233(3)	Green Justice
SOC-3208(3)	Women: Crime and Social Justice
SOC-4800(6)	Research Methods Field Placement

Women's and Gender Studies

Classics

CLAS-2202(6)	Athenian Law and Society
--------------	--------------------------

History

HIS-2509(6)	History of Aboriginal Peoples of Canada
HIS-3224(3)	Crime and Conflict in Pre-Modern Europe

Philosophy

PHIL-2207(3)	Philosophy of Law
--------------	-------------------

Politics

POL-2315(6)	The Legal Process
POL-3315(6)	The Canadian Legal System
POL-2400(6)	Canadian Politics
POL-2450(6)	Human Rights & Civil Liberties in Canada
POL-3135(3)	Critical Security Studies
POL-3426(3)	Aboriginal People and Law I
POL-3427(3)	Aboriginal People and Law II

Psychology

PSYC-2101(3)	Introduction to Data Analysis
PSYC-2102(3)	Introduction to Research Design

WGS-3242(3)	Women and Peacemaking	PSYC-2400(3)	Social Psychology I
Conflict Resolution		PSYC-2410(3)	Social Psychology II
CRS-2421(3)	Legal Systems and Alt. Dispute Resolution	PSYC-2920(3)	Drugs and Behaviour
CRS-2221(3)	Restorative Justice	Religious Studies	Introduction to Aboriginal Spirituality
CRS-2231(3)	Violence and Non-Violence	REL-2801(3)	Spirituality
Urban and Inner City Studies		REL-2803(3)	Aboriginal Sacred Narratives
UIC-3040(3)	Poverty and the Law	Human Rights and Global Studies	
UIC-3050(3)	Immigration and the Inner City	HRGS-2101(3)	Human Rights: Local to Global

Example of a three year degree program in Criminal Justice.

With a bit of planning, a student will be able to plan a progressive education that will also take advantage of the liberal arts offering available at the University of Winnipeg. The following is a possible route for students; however it is to be considered only as an example, individual programs may differ substantially once core courses are completed. The proposed program actually exceeds the required 36 hours.

Year 1		Year 2		Year 3	
CJ-1101(6)	Int Criminal Justice*	CJ-2100(3)	Foundations in CJ*	CJ-3205(3)	Prof Ethics*
(6)	Science Requirement	CJ-2101(3)	CJ Research Methods*	CJ-3102(3)	Crime Prevention
(6)	Humanities Requirement	CJ-2120(3)	Policing in Canada	CJ-3130(3)	Criminal Procedure
Two of:		CJ-2130(3)	Criminal Law*	CJ-3201(3)	Comp Crime & CJ
POL-1101(6),	Int Politics	CJ-2203(3)	Inst Corrections	CJ-2204(3)	Com Corrections
PSYC-1000(6)	Int Psychology	ANTH-2304(3)	Intro Forensic Anthropology	CJ-3117(3)	Crime Careers
SOC-1101(6)	Int. Sociology	POL-2440(6)	Int to Legal Process	SOC-3208(3)	Women, Crime Soc Just
		(6)	Humanities Requirement (Athenian Law or History of Aboriginal Peoples, or other)	CJ-3500(3)	Interpersonal Violence
				PSYC-2920(3)	Drugs and Behaviour
				CRS-2221(3)	Restorative Justice
	Total 30 hrs		Total 30 hrs.		Total 30 hrs.

*Required Course

COURSE DESCRIPTIONS

CJ-1101(6) INTRODUCTION TO CRIMINAL JUSTICE (Le3) Surveys the contemporary criminal justice system from the initial contact with the offender through prosecution, disposition, incarceration, and release to the community. Emphasis is on the role of the police, prosecution, courts and corrections, as well as their policies and practices relative to the offender. Legal, empirical, and sociological materials will be covered.

CJ-2100(3) FOUNDATIONS OF JUSTICE (Le3) This course examines the academic foundations of the interdisciplinary study of criminal justice. Political/philosophical, legal, social and methodological foundations of justice study are explored. The course provides a base for more advanced third year course work.

PREREQUISITES: CJ-1101(6)

RESTRICTIONS: Must have declared major in Criminal Justice, or permission from the Instructor.

CJ-2101(3) CRIMINAL JUSTICE RESEARCH METHODS (Le3, La2) A study of the principles, data sources and

research methods appropriate for criminal justice research. Topics include research design, sampling scaling, questionnaire construction, survey research and qualitative methodology.

PREREQUISITES: CJ-1101(6)

RESTRICTIONS: Must have declared major in Criminal Justice, or permission from the Instructor.

CJ-2120(3) POLICING IN CANADA (Le3) This course examines the organization and operation of contemporary Canadian policing. The police occupation is assessed, including socialization of recruits. Key areas of focus include the Charter of Rights and Freedoms and police powers, the use of force, corruption, accountability, police administration and the political dimension of police work.

PREREQUISITES: CJ-1101(6)

CJ-2125(3) CRIME VICTIMS (Le3) This course focuses on the dynamics of victimization in society and its consequences. Major theoretical perspectives on victimization patterns are examined, addressing issues of

gender, race and class, and social institutions such as the family, school, and the criminal justice system. Students will become familiar with socio-demographic profiles of crime victims. Victim's rights, effects of victimization (including revictimization in the media) and victims attitudes towards the justice system will also be discussed.

PREREQUISITES: CJ-1101(6) Students may not hold credit for this course and the former CJ-3125(3)

CJ-2130(3) CRIMINAL LAW (Le3) This course introduces students to the nature, purpose, scope, sources and basic principles of the criminal law. The course covers certain fundamental legal concepts such as *mens rea*, negligence and strict liability, and the analysis of the concept of criminal responsibility in Canada. Students engage in a critical examination of the legislative policies expressed in the Criminal Code, as well as an examination of the legal principles relating to certain specific crimes and to certain major defences. The course also considers the impact of the Canadian Charter of Rights and Freedoms on the criminal law.

PREREQUISITES: CJ-1101(6)

RESTRICTIONS: Must have declared major in Criminal Justice, or permission from the Instructor.

CJ-2203(3) INSTITUTIONAL CORRECTIONS (Le3) This course offers an introduction to the theories of punishment and the rise of incarceration in the Western world during the 19th and 20th century. Specific attention is given to the use of correctional institutions in Canada, and current programs and practices.

PREREQUISITES: Students may not hold credit for both this course and the former CJ-3202(6).

CJ-2204(3) COMMUNITY CORRECTIONS (Le3) This course focuses on theories of community and the use of community based interventions in the Western world. Specific attention is given to community based correctional programs in Canada and current practices in probation, parole and conditional sentencing.

PREREQUISITES: CJ-1101(6) Students may not hold credit for this course and the former CJ-3203(3)

CJ-3107(3) CRIMINAL JUSTICE AND THE MEDIA (Le 3)

This course critically examines the depiction of the criminal justice system in the media, including television, film, print and the Internet. Key research findings and theoretical approaches to studying criminal justice in the media are discussed. Implications for policy, public opinion and the operation of the agencies of the criminal justice system are examined.

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ- 3117(3) CRIME CAREERS (Le3) This course will examine a selection of criminal careers, focusing on a variety of dimensions. Specifically, criminal careers will be examined with respect to degree, frequency and progression of criminal involvement; seriousness of the offence, public reaction to the offence; legal responses and criminal processing. The types of crimes to be examined include conventional crime (such as theft or vandalism), violent crime, political crime, organized crime, occupational crime and professional crime.

RESTRICTIONS: Students may not hold credit for both this course and the former CJ-2102(3)

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ-3121(3) RACE RELATIONS AND THE CRIMINAL JUSTICE SYSTEM (Le3)

This course examines the relationships among racial and ethnic minorities and the criminal justice system. The over-representation of minorities, such as Aboriginals, in the

criminal justice system in Canada and other nations will be assessed using contemporary theoretical perspectives on discrimination, inequality and exclusion. The policy implications of problems such as racial profiling at the police, court and corrections levels will be examined.

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ-3122(3) CRIMINAL INTELLIGENCE ANALYSIS (Le3)

This course examines criminal intelligence analysis in Canadian law enforcement. Skills, techniques, and challenges in the field of intelligence analysis are addressed. Specific topics include intelligence-led policing, tactical and strategic intelligence, and ethical issues. Investigations and case studies are used to facilitate comprehension of course concepts and their practical application.

PREREQUISITES: CJ-2120(3)

CJ-3130(3) CRIMINAL PROCEDURE (Le3)

This course surveys critical legal issues in the Canadian criminal procedure with an emphasis placed on investigation. The course considers the relevant Criminal Code sections, constitutional provisions, common law rules and recent case law as they relate to the powers of search and seizure, electronic surveillance, charging, arrest and detention, interrogation, and an accused's right to counsel and silence. The course analyzes what constitutional, common law and statutory remedies an accused can seek when evidence is obtained improperly or there has been abuse of police or prosecutorial powers. Students are introduced to the fundamentals of other pre-trial phenomena including bail.

PREREQUISITES: CJ-1101(6), CJ-2130(3)

CJ-3133(3) SEX AND THE CRIMINAL LAW

The main focus of the course is on the development of obscenity and indecency laws in the Canadian context and in attempting to place these developments in a broader socio-legal context. The course thus explores theories underpinning freedom of expression, the development of anti-pornography law, the development of anti-indecency law in Canada and the development of the criminalization of prostitution in Canada.

PREREQUISITES: CJ-1101 (6) or CJ-2130 (3) or POL-2315 (3) or POL-2410 (6) or POL-3320 (3) or POL-3315 (6) or SOC-1006 (3) or SOC-2119 (6) or Permission of the Instructor

CJ-3201(3) COMPARATIVE CRIME AND CRIMINAL JUSTICE (Le 3)

This course examines crime and criminal justice in cross cultural and cross national perspective. Specific attention is given to the history, development and current operation of criminal justice systems within socialist, civil, common and Islamic legal traditions. Specific topics for comparative examination include criminal law, policing, courts, corrections and youth justice. Current issues in transnational crime are examined.

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ-3204(3) CRIME PREVENTION (Le3) This course explores the history and development of perspectives on crime and crime prevention and critically examines the theoretical approaches within the field. The course will also focus on contemporary spatial perspectives on crime prevention. A variety of disciplinary perspectives analyze the relationship between crime, fear and space including geography, criminology, city planning and architecture. Specific situational and physical environmental strategies of crime prevention are discussed.

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ-3205(3) PROFESSIONAL ETHICS IN CRIMINAL JUSTICE (Le3) This course focuses on understanding and dealing with ethical issues that arise in the criminal justice

system. Different theoretical perspectives will be used to explore the social and organizational process that lead to corruption and abuse of power, systemic discrimination, and illegal behaviour by criminal justice practitioners. The use of case studies will provide a realistic picture not only of what ethical questions arise in the criminal justice system, but also of how sound moral decisions are made in response to them.

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ-3400(3) SELECTED TOPICS IN CRIMINAL JUSTICE (Le3) This course studies specific topics in Criminal Justice at the third year level. Students should consult the department regarding potential offerings in a given year.

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ-3500(3) INTERPERSONAL VIOLENCE (Le3)

This course utilizes an interdisciplinary approach to examining interpersonal violence as a critical and complex social issue. Specific types of interpersonal violence covered include child abuse and neglect, child sexual violence, spousal abuse, elder abuse, date rape and other forms of intimate sexual and physical violence. The course includes a comprehensive examination of theoretical perspectives regarding the nature and origins of interpersonal violence as well as a critical examination of the effectiveness of the mental health, child welfare, and criminal justice systems approach to interpersonal violence prevention, intervention, and policy.

PREREQUISITES: CJ-1101(6) CJ-2100(3)

CJ-3800 (6) CRIMINAL JUSTICE FIELD PLACEMENT

This course places students in a criminal justice or human services agency. Students provide service to the community while gaining the benefit of practitioner experience. The course instructor will assist students in applying lessons learned in the class room to their respective placements through structured class discussion, reflective journals and a library paper assignment.

PREREQUISITES: CJ-2100(3), CJ-2130(3) and written permission from the department.

CJ-4100(6) CAPSTONE COURSE IN CRIMINAL JUSTICE (Le3)

This course provides an overview of the academic study of criminal justice. The course traces the intellectual history of the discipline and evaluates key issues and debates in its theoretical and philosophical development. Broader questions about the nature and scope of justice and criminal justice are also explored. The course orients students to the major areas of advanced criminal justice inquiry including criminal justice theory; law and the courts process; policing; and punishment and corrections.

CJ-4105(3) SEMINAR IN YOUTH AND THE CRIMINAL JUSTICE SYSTEM (Le 3)

This course provides a critical examination of systemic problems and policy issues in youth justice. The course evaluates the effectiveness of current criminal justice legal reforms, interventions, treatment programs, and policies aimed at youth. Specific topics include public discourse on youth crime and justice, the social construction of adolescents involved with the youth justice system, the interface of corollary systems of child welfare and mental health, the administration of youth justice systems and a comparative analysis of the policy choices made in developing frameworks for responding to youth justice.

CJ-4116(3) PROGRAM AND POLICY EVALUATION (Le3, La1)

This course examines methodologies for the formal assessment of social programs using quantitative and

qualitative methods of inquiry including survey, interview, observation and case study techniques. The political and social processes framing evaluation research are also discussed. The course requires a student project to apply lessons learned.

PREREQUISITES: CJ-2101(3) or permission of the instructor.

CJ-4130(3) ADVANCED CRIMINAL LAW (Le3)

This course examines Canadian criminal law in depth with a particular emphasis on the constitutional issues affecting the disposition of the criminal trial. In addition, complex substantive areas are also surveyed. The course focuses on conceptually advanced criminal law areas including inchoate offences, advanced issues in defences, sexual offences, public order offences, offences against the state and against the administration of justice, and offences pertaining to group responsibility. Students are introduced to the fundamentals of legal research and reasoning through course assignments.

PREREQUISITES: CJ-2130(3), CJ-3130(3) or permission of the instructor

CJ-4200(3) GANGS, CRIME, & THE INNER-CITY (Le3)

This course examines the relationship between street gangs, crime and their impact on the inner city. The complexity of defining gangs is explored, as well as the social processes and subcultural influences that contribute to their formation. The crime-related activities of gang members in inner-city neighbourhoods such as drug market involvement and sex trade are assessed. In addition, the course considers the emergence and functioning of gangs in prisons and schools. While the course focuses on the gang situation in Winnipeg, it also compares the situation to that in the United States. This course challenges students to critically assess policies and programs proposed for gang prevention and intervention.

PREREQUISITES: CJ-1101(6)

CJ-4300(3) CRITICAL CRIMINAL JUSTICE THEORY

This course examines some of the major critical theoretical perspectives of the social sciences. The course is intended to offer an advanced discussion of Marxist, Foucaultian, and newly emerging critical realist perspectives as they are used to make sense of criminal justice.

PREREQUISITES: CJ-2100(3)

CJ 4400(3) SELECTED TOPICS IN CRIMINAL JUSTICE ((Le3)

This course studies specific topics in Criminal Justice at an advanced level. Students should consult the department regarding potential offerings in a given year.

CJ-4800(6) RESEARCH FIELD PRACTICUM

This applied course will give students the opportunity for service based learning. Students will spend eight hours per week at a previously arranged field site and engage in service.

PREREQUISITES: CJ 2101(3)

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

CJ-3470(3) Forensic Psychology

This course provides an overview of forensic psychology, which examines ways that psychological principles can inform understanding of, and improve practices in, the criminal justice system (i.e., law enforcement, courts, and

corrections). Planned forensic topics include: detection of deception, eyewitness testimony, legal decision-making, juries, mental illness in court, risk assessment, psychopathology, and corrections. Research on psychological factors in the criminal justice system and field practices are emphasized.

PREREQUISITES: CJ-1101 OR PSYC-1000 **AND** CJ-2101
OR SOC-2125 & SOC-2126 **OR** PSYC-2101 & PSYC-2102

DEVELOPMENTAL STUDIES (DEV)

Updated March 13, 2013

Note: The department/program code DEV replaces the former code 86. Students cannot hold credit in DEV-xxxx and the former 86.xxxx having the same course number (e.g., DEV-2004(3) and 86.2004(3)).

Director: Professor E. Polyzoi; Instructors: L. Atkinson, P. Leech, G. Robertson, J. Simpson

DEGREES/PROGRAMS OFFERED

3-Year BA

INTRODUCTION

Developmental Studies is a distinct field that draws on the integration of the perspectives and methods of many disciplines to provide a coherent analysis of the biological, environmental, and social factors that influence both individual and group development. As such, it has specific relevance for a growing number of occupations and professions, notably child care, gerontology, and family studies.

The Developmental Studies Program is an Interdisciplinary Major which differs from a regular Major program in that it is composed of offerings from several different departments. The program includes courses from the Departments of Anthropology, Biology, Business and Administration, Chemistry, Conflict Resolution Studies, English, Geography, History, Kinesiology and Applied Health, Mathematics, Philosophy, Politics, Psychology, Sociology, and Statistics. As a student of Developmental Studies, one may choose to pursue one of three streams: Stream A: Individual Human Development, Stream B: Comparative Biological Development, or Stream C: Child Development and Child Care.

Students who major in Developmental Studies (Stream A or C) may qualify for employment in government positions or in institutions dealing with early-childhood services. For those interested in pursuing this field, graduate work prepares them for research, administration, and university teaching.

All students pursuing majors are required to select courses from various groups as indicated below, depending on the stream selected. In addition, students wishing to orient their program towards specific educational goals are advised to seek advice early in their program for appropriate course selection. Visit <http://www.uwinnipeg.ca/index/ds-index> for contact information.

REQUIREMENTS FOR A 3-YEAR BA IN DEVELOPMENTAL STUDIES

ADMISSION REQUIREMENT	Students must meet regular-status or mature-status admission requirements. In addition, students applying to Stream C must be accepted into the program. The Stream C Selection Committee will select students on the basis of their academic qualifications and admissibility to the program.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. Note: Stream C students entering with a two-year ECE Diploma receive advanced standing for 30 credit hours toward a BA. These 30 credit hours are deemed to be at the 1000 level, allowing for an additional 12 credit hours at the 1000 level within the 60 credit hours necessary to fulfil the requirements for a BA.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 - 45 credit hours (depending on Stream selected) from four different Departments
Double Major:	Minimum 30 - 45 credit hours in Developmental Studies (depending on Stream selected) and a specified number of credit hours in the second Major (The number may vary, depending on interdisciplinary courses completed, as they may be credited to both Majors.)
Required courses:	Students must establish their Major program of study in one of three streams: Stream A: Individual Human Development; Stream B: Comparative Biological Development; or Stream C: Child Development and Child Care. Students are advised to consult the Department listings for course descriptions and the respective timetable for courses to be offered during

the current term. They are also advised to check any prerequisites required for courses they wish to take and to consult with the Director or an advisor in planning their program of studies.

GENERAL INFORMATION

Prerequisites and Waivers

All students in Developmental Studies (Stream A, B, or C) will receive a waiver of **SOC-1101(6)** Introductory Sociology **only** for SOC-2115(6) Sociology of Socialization and Development and **SOC-2103(6)** Sociology of Families. Students who wish to take other Sociology courses must complete the prerequisite introductory course or seek a waiver from the Sociology Department.

Applicants who hold a two-year ECE Diploma from either Red River College (RRC) or **Université de Saint-Boniface (USB)** will receive a waiver for **PSYC-1000(6)** Introductory Psychology and **PSYC-2200(3)** Developmental Psychology I: Fundamentals.

Often, a course will list a prerequisite or indicate "Departmental permission". Applicants interested in such courses should contact the Department to discuss their qualifications. If the Department deems the applicant as having the background necessary for the course, a prerequisite waiver will be issued and the applicant may register for the course.

Education Students in the Early Years, Middle Years, and Early/Middle Years Streams Selecting Developmental Studies (DS) as their "Teachable Minor"

The following four courses are required:

1. PSYC-2200(3) Developmental Psychology I - Fundamentals (**Note:** The Psychology Department will waive the prerequisite PSYC-1000(6) Introductory Psychology only for Education students minoring in DS.)
2. DEV-3300(3) Speech and Language Disorders
3. DEV-2004(3) Observation and Evaluation Techniques
4. DEV-3100(3) The Child, Family, and Social Policy

Advanced Internship Requirements

All students in Stream C will be required to participate in an advanced internship in their selected area of specialization (Inclusion or Child Care Administration). The goals of the internship are to provide students with opportunities to integrate theoretical learning with practical experience and focus on emerging leadership skills.

The internship will involve the equivalent of two days a week to be spent in a designated internship setting in the final term of the program. Under special circumstances, the student may elect to complete the internship over a four-week block of time (equivalent of 20 full days) after consultation with and approval of the instructor. Students will be required to develop a major project that provides a focused learning experience in their internship placement. The Topics in ECCE Leadership course will be taught in conjunction with the advanced internship, giving students the opportunity to exchange perspectives on a broad range of issues relating to their respective fields. Students will gain information and skills through in-class discussions and presentations, reporting on experiences gained through their internship placements, and individual research and readings.

PROGRAM REQUIREMENTS

STREAM A

INDIVIDUAL HUMAN DEVELOPMENT

PSYC-2200(3) Developmental Psychology I: Fundamentals
SOC-2115(6) Sociology of Socialization and Development OR SOC-2103(6) Sociology of Families
and a selection of courses from the following four groups, as indicated below

TOTAL: 30 to 33* credit hours

*Depending on course selection in Group 3

GROUP 1:

DEVELOPMENT OF INDIVIDUAL FUNCTIONS (MINIMUM OF 6 CREDIT HOURS)

BIOL-3562(3) Human Reproductive Biology	PSYC-2620(3) Psycholinguistics
BIOL-3563(3) Human Embryology	PSYC-3200(3) Developmental Psychology II: Childhood
DEV-3001(3) Applied Child Development	PSYC-3220(3) Adult Psychology
KIN-2203(3) Growth and Development Through Physical Activity	PSYC-3230(3) Adolescent Psychology
KIN-2206(3) Movement Education	PSYC-3480(3) Interpersonal Communication
KIN-2207(3) Physical Growth and Motor Development	SOC-2201(3) Sociology of Aging
KIN-3208(3) Physical Activity and Aging	SOC-2202(3) Changing Patterns of Aging
	SOC-2307(3) Sociology of Youth

Note: Students wishing to undertake advanced study in a specialized area of child development may also select from the following optional courses, provided that all the necessary prerequisites are met (consult Course Calendar for descriptions):

PSYC-4200(3) Topics in Developmental Psychology
PSYC-4250(3) Cognitive Development
PSYC-4260(3) Prenatal and Infant Development
SOC-4410(6) Seminar on the Life Cycle: Middle and Later Years

**GROUP 2:
VARIATIONS IN INDIVIDUAL FUNCTIONING
(MINIMUM OF 6 CREDIT HOURS)**

CRS-1200(6)	Introduction to Conflict Resolution Studies	SOC-2107(3)	Criminology Theory
DEV-3300(3)	Speech and Language Disorders in Children	SOC-2108(3)	Social Regulation
ENV-2604(3)	Environment and Health	SOC-3201(3)	Sociology of Youth Justice
PSYC-3710(3)	Abnormal Behaviour in Children and Adolescents	SOC-3210(6)	Critical Studies in Medicine and Psychiatry
PSYC-3740(3)	Introduction to Family Processes	SOC-4406(6)	Seminar in Sociology of Law & Criminology

**GROUP 3:
METHODS OF CRITICAL INVESTIGATION
(3 OR 6 CREDIT HOURS)**

ACS-1453(3)	Introduction to Computers	SOC-2125(3)	Introduction to Quantitative Research Methods
PHIL-2252(3)	Philosophy of the Social Sciences	SOC-2126(3)	Introduction to Research Design and Qualitative Research
PSYC-2101(3)	Introduction to Data Analysis	STAT-1301(3)	Statistical Analysis I
PSYC-2102(3)	Introduction to Research Methods	STAT-1302(3)	Statistical Analysis II

**GROUP 4:
SOCIAL CONTEXT OF DEVELOPMENT
(MINIMUM 6 CREDIT HOURS)**

ANTH-2300(3)	Method and Theory in Biological Anthropology	ENGL-2004(6)	A History of Children's Literature
ANTH-3120(3)	Aboriginal Peoples of Arctic Canada	ENGL-2113(6)	Picture Books for Children
ANTH-4105(6)	Aboriginals and Newcomers in Encounter: Selected Topics	ENGL-2114(6)	Fairy Tales, Fantasy, and Culture
CLAS-2070(6)	Women and Family in Greece and Rome	ENGL-3119(3)	Canadian Children's Literatures and Culture
DEV-2004(3)	Observation and Evaluation Techniques in Child Care Settings	FREN-2681(3)	Children's Literature of French Canada
DEV-3100(3)	The Child, Family, and Social Policy	GEOG-2407(3)	Recreation Geography
DEV-3400(3)	Parents, Families & Professionals in Child Care	SOC-2103(6)	Sociology of Families
ENGL-2003(6)	The Field of Children's Literature	SOC-2109(3)	Social Policy and Social Welfare
		SOC-2118(6)	Sex and Gender Relationships
		SOC-2202(3)	Changing Patterns of Aging

Note: Students may also select from the following optional courses, provided that all the necessary prerequisites are met (consult Course Calendar for descriptions):

PSYC-4240(3)	Social Development
SOC-4412(6)	Seminar in Sociology of Families

Individuals wishing to work in applied settings should consider selecting electives from the following courses. These courses are **NOT** part of Group 4.

KIN-2101(3)	Program Planning in Sport
KIN-2206(3)	Movement Education
PSYC-3720(3)	Behaviour Modification
THFM-3502(6)	Drama in Education

Note:

1. Students are advised to take **PSYC-1000(6)** Introductory Psychology, **PSYC-2200(3)** Developmental Psychology I: Fundamentals and **SOC-2115(6)** Sociology of Socialization and Development early in their Program. **SOC-1101(6)** Introduction to Sociology is not required as a prerequisite for **SOC-2115(6)**, **SOC-2103(6)** Sociology of Families, and **SOC-2109(3)** Social Policy and Social Welfare (see Group 4 courses).

2. Students who have completed a two-year diploma from either RRC or USB in Early Childhood Education and wish to major in Developmental Studies (Stream A) will receive 30 credit hours of advanced standing. These students require 60 credit hours of additional coursework approved at UW to obtain a three-year BA in Developmental Studies. The 60 credit hours of coursework must include the Humanities Requirement (12 credit hours), the Science Requirement (6 credit hours), and the 36 or 39 credit hours required in the Developmental Studies Major, Stream A (see above). Students may take a maximum of 12 credit hours below the 2000 level toward the degree.

3. Students with a two-year diploma from RRC or USB receive a waiver of Introductory Psychology (**PSYC-1000(6)**) and Developmental Psychology I: Fundamentals (**PSYC-2200(3)**). They are also exempt from the Writing Requirement.

STREAM B COMPARATIVE BIOLOGICAL DEVELOPMENT

ANTH-3308(3) Human Evolution
 BIOL-1115(3) Cells and Cellular Processes
 BIOL-1116(3) Evolution, Ecology and Biodiversity
 BIOL-2111(6) Comparative Chordate Zoology
 PSYC-2200(3) Developmental Psychology I:
 Fundamentals
 SOC-2115(6) Sociology of Socialization and Development

Selection of courses from the following groups:

One of:

ANTH-3302(3) Primate Adaptation, Biology, and Evolution
 ANTH-3309(3) Primate Behaviour

One of:

BIOL-2301(3) Genetics
 PSYC-3830(3) Genes, Evolution, and Behaviour

One of:

PHIL-2234(3) Philosophy of Nature
 PHIL-2251(3) Philosophy of the Natural Sciences
 6 credit hours from Group 1: Facets of the Evolution of Organisms
 (see below)
 3 or 6 credit hours from Group 2: Methods of Critical Investigation
 (see below)

TOTAL: 42 or 45* credit hours

*Depending on the course selection in Group 2

GROUP 1: FACETS OF THE EVOLUTION OF ORGANISMS (6 CREDIT HOURS)

BIOL-3410(3) Freshwater Ecology
 BIOL-3471(3) Forest Ecology
 BIOL-3562(3) Human Reproductive Biology
 BIOL-3563(3) Human Embryology
 BIOL-3602(3) Comparative Animal Physiology I
 BIOL-3603(3) Comparative Animal Physiology II
 BIOL-3902(3) Microbial Ecology
 BIOL-4402(3) Seminars in Ecology
 CHEM-2202(3) Organic Chemistry I
 CHEM-2203(3) Organic Chemistry II

CHEM-2801(3) Chemistry and Society
 CHEM-3502(3) Intermediate Biochemistry I: Structure,
 Function, and Energetics of Biomolecules
 CHEM-3503(3) Intermediate Biochemistry II: Intermediary
 Metabolism
 CHEM-3601(3) Environmental Chemistry
 PSYC-2900(3) Physiological Psychology I
 PSYC-3900(3) Physiological Psychology II
 PSYC-4900(3) Topics in Physiological Psychology

GROUP 2: METHODS OF CRITICAL INVESTIGATION (3 OR 6 CREDIT HOURS)

PSYC-2101(3) Introduction to Data Analysis
 PSYC-2102(3) Introduction to Research Methods
 SOC-2125(3) Introduction to Quantitative Research
 Methods

SOC-2126(3) Introduction to Research Design and
 Qualitative Research
 STAT-1301(3) Statistical Analysis I
 STAT-1302(3) Statistical Analysis II

STREAM C CHILD DEVELOPMENT AND CHILD CARE INTRODUCTION

Red River College (RRC)

Stream C is an expansion of a long-standing joint program between the University of Winnipeg (UW) and Red River College (RRC). By combining the resources of both institutions, students are able to earn both the RRC two-year diploma in Early Childhood Education (ECE) and the UW three-year BA in Developmental Studies in a four-year period of full-time study. Stream C is a professional program particularly designed for those who wish to pursue the area of early-childhood development and seek classification as an Early Childhood Educator III under the regulations of Manitoba Family Services and Labour. For more information regarding the RRC program, contact Jane Botting, Student Records Officer, at 632-2328 or jbotting@rrc.mb.ca

Université de Saint-Boniface (USB)

Université de Saint-Boniface (USB) graduates of the two-year ECE program at USB receive 30 credit hours of advanced standing towards a BA in Developmental Studies. The University of Winnipeg recognizes the USB and RRC programs as equivalent. For more information regarding the USB program, contact Louise LaFlèche, Coordinator of the ECE Program, at 233-0210, Ext. 735 or LLafleche@ustboniface.mb.ca

Articulation with the Advanced Diploma in Leadership in Early Childhood Care and Education Program (ECCE) through UW 's Professional, Applied, and Continuing Education (PACE)

The Advanced Diploma in Leadership in Early Childhood Care and Education is a leadership development program designed for childcare professionals who already have experience in the childcare field (e.g., childcare directors, educators, advocates, policy analysts, trainers, and supervisors). This Advanced Diploma provides a unique combination of courses from the PACE Professional Studies Program area and Developmental Studies, Stream C. It includes the following DEV courses: DEV-3100(3) The Child, Family, and Social Policy, DEV-3610(3) Topics in Leadership in Early Childhood Care and Education, and DEV-3630(3) Advanced Internship.

Application Procedures

Students must apply for the Advanced Diploma in Leadership in ECCE through the Division of Continuing Education and at the same time complete an application for admission to the Faculty of Arts and Science. (Only one admission fee will be charged.) Original

documentation must accompany the applications for admission. For more information, consult the UW PACE Calendar, Professional Studies, Part-time Program (<http://pace.uwinnipegcourses.ca/>) or call 982-6633 and request an Information Handbook, or contact Ashlie Wilson at 982-1179 or a.wilson@uwinnipeg.ca.

Students admitted to the Advanced Diploma in Leadership in ECCE must complete the PACE courses before registering for the three Arts Degree credit courses and obtain permission from PACE academic advisor, Barbara Read. Students who have completed the PACE courses and are ready to register for the degree credit courses should contact the PACE advisor a minimum of three to six months before the degree-course start date to initiate the Faculty of Arts admission and registration process. Please, refer to the Advanced Diploma in Leadership in Early Childhood Care and Education Information Handbook.

Students receive a waiver of the prerequisite (PSYC-2200(3)) Developmental Psychology I only for DEV-3100(3) The Child, Family and Social Policy. Students receive a waiver of the prerequisites listed in the course descriptions for DEV-3610(3) Topics in Leadership in Early Childhood Education and DEV-3630(3) Advanced Internship.

Contact Information

Professional, Applied, and Continuing Education (PACE):

Director of Professional Studies Program	Kim Loeb	982-1169	k.loeb@uwinnipeg.ca
Program Manager of Professional Studies	Ashlie Wilson	982-1179	a.wilson@uwinnipeg.ca

Faculty of Arts:

Director of Developmental Studies	Dr. Louesa Polyzoi	786-9841	l.polyzoi@uwinnipeg.ca
-----------------------------------	--------------------	----------	--

Student Services:

Coordinator of PLAR and Adult Learner Services	Barbara Read	786-9767	b.read@uwinnipeg.ca
--	--------------	----------	--

Prior Learning Assessment Recognition (PLAR)

PLAR is an educational initiative that allows those individuals with extensive experience in the childcare field to obtain credit for equivalent university-level knowledge and skills gained outside the classroom. PLAR uses valid, rigorous assessment methods which ensure that learning worthy of credit has taken place. For more information, consult the UW Calendar (adultlearner.uwinnipeg.ca) or contact Barb Read at 786-9767 or b.read@uwinnipeg.ca

Specific Opportunities for Graduates of Stream C

Graduates of Stream C may find employment in a variety of governmental and non-governmental agencies dealing with early-childhood services or service-oriented professions. Positions include childcare centre personnel, supervisors, directors, and caregivers. Graduates may also find work as family home visitors functioning as family and community support facilitators, child-life therapists, or staff specializing in programs for the developmentally delayed and other children with special needs.

ENTRANCE REQUIREMENTS

Applicants may enter Stream C through one of two routes:

CATEGORY A: With a Diploma in Early Childhood Education from RRC or USB or an equivalent diploma from another college, or

CATEGORY B: Direct entry, either from high school or the work force

All students wishing to enter Stream C must first make formal application for admission to the UW and also to the Developmental Studies Program and then be selected for entry into the Child Development and Child Care program. Space is restricted in this stream. The selection process will be competitively based on academic and professional qualifications, experience, and areas of interest.

PROGRAM OF STUDIES

CATEGORY A: Applicants Holding a Two-Year Early Childhood Education Diploma from RRC or USB

Students holding a two-year Diploma in Early Childhood Education from RRC or USB (or equivalent) must complete an additional two years of study at UW. Students will receive 30 credit hours of advanced standing for the ECE II Diploma and will require an additional 60 credit hours of approved courses at UW to obtain a three-year BA in Developmental Studies. These 60 credit hours will include a Core Year, a Specialization Year, 12 credit hours of Humanities courses, and 6 credit hours of Science courses. Students in Category A will be exempt from the writing requirement; however, the resources of the Academic Writing Centre are highly recommended to students who require strengthening of their writing skills. Upon successful completion of the program, students may apply to the Manitoba Early Learning and Child Care Office (Manitoba Family Services and Labour) for Early Childhood Educator III classification.

The program of studies consists of

YEARS 1 & 2	Two-Year Diploma in Early Childhood Education at RRC or USB
YEAR 3	Core Courses, UW, Stream C
YEAR 4	Specialization Courses, UW, Stream C

CATEGORY B: Applicants Entering Directly from High School or the Work Force or Transferring from Another Faculty or Program

Students entering Stream C directly from high school or the work force must take 90 credit hours to complete a BA. Students complete their first two years at UW (general Arts and Science year and Core year). The UW Core requirements are equivalent to the first year of the RRC and USB two-year ECE Diploma program. Before entering the third year of the program, students must complete a Spring Practicum at RRC or USB. During the third year, students must attend RRC or USB, full-time, to complete the requirements for the second year of the two-year diploma program, after which they will receive their Early Childhood Education Diploma from their respective institution. In the fourth year of the program, students will return to UW for the Stream C Specialization year. Upon successful completion of the joint program, students will be awarded a three-year BA degree from the UW. They are also eligible to receive an Early Childhood Educator III classification from the Manitoba Early Learning and Child Care Office (Manitoba Family Services and Labour).

The program of studies consists of

YEAR 1 30 credit hours of introductory UW courses, with **PSYC-1000(6)** Introductory Psychology highly recommended

*YEAR 2 Stream C Core courses at UW and Practicum at RRC in the Spring prior to Year 3

YEAR 3 Courses at RRC or USB (Year 2 of the two-year ECE program)

YEAR 4 Stream C Specialization courses at UW

*For more information, contact Jane Botting, Student Records Officer, RRC, at 632-2328 or jbotting@rrc.mb.ca Students who plan to enrol in the RRC ECE Diploma Program should apply by January, 2013 to the RRC Enrolment Services Department.

COURSE REQUIREMENTS

CATEGORY A

For Applicants Holding a Two-Year Early Childhood Education Diploma from RRC or USB

CORE COURSES (24 CREDIT HOURS)

CRS-1200(6) Introduction to Conflict Resolution Studies
DEV-2004(3) Observation & Evaluation Techniques in Child Care Settings
DEV-3100(3) The Child, Family, and Social Policy
DEV-3400(3) Parents, Families and Professionals in Child Care

One of

SOC-2115(6) Sociology of Socialization and Development
SOC-2103(6) Sociology of Families

One of

DEV-3001(3) Applied Child Development
PSYC-3200(3) Developmental Psychology II: Childhood

Note: Students entering with a two-year ECE diploma from RRC or USB will receive a waiver of **PSYC-1000(6)** Introductory Psychology and **PSYC-2200(3)** Developmental Psychology I: Fundamentals. Students will also receive a waiver of **SOC-1101(6)** Introduction to Sociology **only** for **SOC-2115(6)** Sociology of Socialization and Development and **SOC-2103(6)** Sociology of Families. Category A students are exempt from the Writing Requirement.

SPECIALIZATION COURSES

(15 CREDIT HOURS)

Students must select a specialization in either (a) Inclusion **or** (b) Child Care Administration.

INCLUSION

REQUIRED COURSES (15 CREDIT HOURS)

PSYC-3710(3)	Abnormal Behaviour in Children and Adolescents	or, with approval, one of the following five EDUC courses in place of EDUC 2530:
DEV-3300(3)	Speech and Language Disorders in Children	EDUC-4000(3) ST: Neurological Developmental Disorders
DEV-3610(3)	Topics in Leadership in ECCE	EDUC-4000(3) ST: Creative Problem Solving
DEV-3630(3)	Advanced Internship	EDUC-4407(3) ST: War-Affected Children
EDUC-2530(3)	Introduction to Special Education	EDUC-4408(3) Enrichment and Talent Development
		EDUC-4408(3) Issues with At-risk Children and Youth

ELECTIVES

Students are encouraged to select electives from the following list of courses:

CRS-2252(3)	Conflict and Communication	PSYC-2620(3)	Psycholinguistics
CRS-2281(3)	Selected Topics in Conflict Resolution Studies	SOC-1003(3)	Introduction to Disability Studies I
KIN-3103(3)	Adapted Physical Activity	SOC-2108(3)	Social Regulation

CHILD CARE ADMINISTRATION

REQUIRED COURSES (15 CREDIT HOURS)

BUS-1201(3)	Introduction to Business I	DEV-3610(3)	Topics in Leadership in ECCE
BUS-1202(3)	Introduction to Business II	DEV-3630(3)	Advanced Internship
BUS-2440(3)	Fundamentals of Human Resource Management		

ELECTIVES

Students are encouraged to select electives from the following list of courses:

ACS-1453(3)	Introduction to Computers	POL-3300(3)	Public Policy Process
BUS-2002(3)	Fundamentals of Financial Accounting	POL-3320(3)	Women and the Law
BUS-2103(3)	Fundamentals of Organizational Behaviour	POL-3411(3)	Aboriginal People and the Law I
BUS-3110(3)	Ethics in Management	POL-3415(3)	Aboriginal People and the Law II
BUS-3250(3)	Not-for-Profit Management	PSYC-2440(3)	Organizational Psychology I
IDS-4920(3)	Program Planning in Development and Conflict Resolution	PSYC-2450(3)	Organizational Psychology II
KIN-2101(3)	Program Planning in Sport	PSYC-3450(3)	Organizational Leadership and Decision Making

PSYC-3480(3)	Interpersonal Communication	SOC-2204(3)	Occupations and Professions
REL-2802(3)	Aboriginal and Christian Encounter	SOC-3118(6)	Women in Society
RHET-2131(3)	Professional Style and Editing		
SOC-2109(3)	Social Policy and Social Welfare		

**REQUIRED UW HUMANITIES COURSES
(12 CREDIT HOURS)**

Students must fulfil 12 credit hours of Humanities courses, as described in *Degree and Major Requirements*.

**Category B
For Applicants Entering Directly from High School or the Work Force
CORE Courses (27 credit hours)**

CRS-1200(6)	Introduction to Conflict Resolution Studies
PSYC-2200(3)	Developmental Psychology I: Fundamentals
DEV-2004(3)	Observation & Evaluation Techniques in Child Care Settings
DEV-3100(3)	The Child, Family, and Social Policy
DEV-3400(3)	Parents, Families and Professionals in Child Care

One of

SOC-2115(6)	Sociology of Socialization and Development
SOC-2103(6)	Sociology of Families

One of

PSYC-3200(3)	Developmental Psychology II: Childhood
DEV-3001(3)	Applied Child Development

Note: Students entering from high school or the work force are advised to take any first-year Biology course, **PSYC-1000(6)** Introductory Psychology, Academic Writing (if required), and Humanities electives in the first year of their program. They will receive a waiver of **SOC-1101(6)** Introduction to Sociology **only** for **SOC-2115(6)** Sociology of Socialization and Development and **SOC-2103(6)** Sociology of Families.

SPECIALIZATION COURSES (15 CREDIT HOURS)

Students may select a specialization in either (a) Inclusion **or** (b) Child Care Administration.

**INCLUSION
REQUIRED COURSES (15 CREDIT HOURS)**

PSYC-3710(3)	Abnormal Behaviour in Children and Adolescents	or, with approval, one of the following five EDUC courses in place of EDUC 2530:
DEV-3300(3)	Speech and Language Disorders in Children	EDUC-4000(3) ST: Neurological Developmental Disorders
DEV-3610(3)	Topics in Leadership in ECCE	EDUC-4000(3) ST: Creative Problem Solving
DEV-3630(3)	Advanced Internship	EDUC-4000(3) ST: War-Affected Children
EDUC-2530(3)	Introduction to Special Education	EDUC-4407(3) Enrichment and Talent Development
		EDUC-4408(3) Issues with At-risk Children and Youth

ELECTIVES

Students are encouraged to select electives from the following list of courses:

CRS-2252(3)	Conflict and Communication	PSYC-2620(3)	Psycholinguistics
CRS-2281(3)	Selected Topics in Conflict Resolution Studies	SOC-1003(3)	Introduction to Disability Studies I
KIN-3103(3)	Adapted Physical Activity	SOC-2108(3)	Social Regulation

**CHILD CARE ADMINISTRATION
REQUIRED COURSES (15 CREDIT HOURS)**

BUS-1201(3)	Introduction to Business I	Management
BUS-1202(3)	Introduction to Business II	DEV-3610(3) Topics in Leadership in ECCE
BUS-2440(3)	Fundamentals of Human Resource	DEV-3630(3) Advanced Internship

ELECTIVES

Students are encouraged to select electives from the following list of courses;

ACS-1453(3)	Introduction to Computers	POL-3415(3)	Aboriginal People and the Law II
BUS-2002(3)	Fundamentals of Financial Accounting	PSYC-2440(3)	Organizational Psychology I
BUS-2103(3)	Fundamentals of Organizational Behaviour	PSYC-2450(3)	Organizational Psychology II
BUS-3110(3)	Ethics in Management	PSYC-3450(3)	Organizational Leadership and Decision Making
BUS-3250(3)	Not-for-Profit Management	PSYC-3480(3)	Interpersonal Communication
IDS-4920(3)	Program Planning in Development and Conflict Resolution	REL-2802(3)	Aboriginal and Christian Encounter
KIN-2101(3)	Program Planning in Sport	RHET-21313	Professional Style and Editing
POL-3300(3)	Public Policy Process	SOC-2109(3)	Social Policy and Social Welfare
POL-3320(3)	Women and the Law	SOC-2204(3)	Occupations and Professions
POL-3411(3)	Aboriginal People and the Law I	SOC-3118(6)	Women in Society

COURSE LISTINGS

DEV-2004(3)	Observation and Evaluation Techniques in Child Care Settings	DEV-3400(3)	Parents, Families & Professionals in Child Care
DEV-3001(3)	Applied Child Development	DEV-3500(3)	Independent Study
DEV-3100(3)	The Child, Family and Social Policy	DEV-3600(3)	Special Topics in Developmental Studies
DEV-3300(3)	Speech and Language Disorders in Children	DEV-3610(3)	Topics in Leadership in ECCE
		DEV-3630(3)	Advanced Internship

COURSE DESCRIPTIONS

DEV-2004(3) OBSERVATION AND EVALUATION TECHNIQUES IN CHILD-CARE SETTINGS (Le3) This course provides a theoretical and practical examination of the principles of systematic observation and evaluation in child-care settings. The focus is on studying and implementing different observational strategies ranging from anecdotal reports to event sampling methods. Practical activities and projects will provide opportunities to acquire new techniques for observing, recording, and analyzing children's behaviours and to make valid inferences. Based on observations in selected child-care settings, students will complete assignments designed to help them build skills as reflective practitioners, program evaluators, facilitators of children's learning, and providers of a healthy and safe environment.
PREREQUISITES: PSYC-2200/3 or Departmental permission

DEV-3001(3) APPLIED CHILD DEVELOPMENT (Le3, LaV) This course focuses on the application of theory and research in child development. The course covers primarily theories and research relating to developmental periods before adolescence and discusses implications of these for the practitioner, parent, and professional working with both normally developing and special needs children.
PREREQUISITES: PSYC-2200/3 or Departmental permission

DEV-3100(3) THE CHILD, FAMILY, AND SOCIAL POLICY (Le3) This course is designed to sensitize students to the social policy and legal dimensions of child development. It addresses the current political climate surrounding the adequacy of child care, as well as selected issues concerning the law and the rights of children. Possible topics include current social policy and provision of child-care services; law, divorce, and the rights of children with diverse needs; and issues related to adoption and foster parenting. Knowledge of effective advocacy and children's rights enables students to participate in the policy process and explore issues in the current child-care policy agenda.
PREREQUISITES: PSYC-2200/3 or Departmental permission

DEV-3300(3) SPEECH AND LANGUAGE DISORDERS IN CHILDREN (Le3, LaV) This course is designed to introduce students to the field of communication disorders in children. It provides an overview of professional issues. Possible topics include the identification of different types of communication disorders, procedures in the evaluation and treatment of these disorders, and child-care program planning techniques.
PREREQUISITES: PSYC-2200/3 or Departmental permission

DEV-3400(3) PARENTS, FAMILIES & PROFESSIONALS IN CHILD CARE (Le3) This course considers theory and practice in establishing and maintaining productive relationships with parents, families, and professionals in the child-care setting. Topics include methods of effective communication; responsibilities to parents, families, and professionals; and the relationship between child-care settings and community resources.

DEV-3500(3) INDEPENDENT STUDY (D) Readings in a particular topic in child care will be arranged between an individual student and an instructor. Where appropriate, a practicum may also be included as part of this course.
PREREQUISITES: Written permission of the instructor and the Director of Developmental Studies

DEV-3600(3) SPECIAL TOPICS IN DEVELOPMENTAL STUDIES (Le3) The course examines relevant issues and developments in Developmental Studies. Course content varies from year to year. The topic of each course is available to students prior to registration. Students are allowed to repeat the course if topics vary.
RESTRICTIONS: Departmental permission. The course can be taken up to a maximum of two times.

DEV-3610(3) TOPICS IN LEADERSHIP IN EARLY CHILDHOOD CARE AND EDUCATION (ECCE) (S3) The course provides an opportunity for currently enrolled interning students to understand and to integrate core concepts, such as mentoring, team building, strategic planning, advocacy, communication, and inclusion of children with diverse needs, as they explore management and leadership issues in child-care systems. Students acquire information and skills through in-class discussions and presentations, reporting on experiences gained through their concurrent internship placement, and individual research and reading.
PREREQUISITES: Departmental permission
COREQUISITE: DEV-3630(3)

DEV-3630(3) ADVANCED INTERNSHIP (A, S1) The course provides advanced field experience in the administration of child-care centres and leadership in the early-childhood community. Students learn skills within such topics as child-care licensing requirements, programs and policy planning, personnel management, budgeting, the inclusion of children with special needs, and developing and implementing individualized programs. Students develop a major project in their selected area of specialization that provides a focused learning experience in their placement.
PREREQUISITES: Departmental permission
COREQUISITE: DEV-3610(3)

DISABILITY STUDIES (DIS)

Updated July 15, 2013

Acting Director: Associate Professor M. Owen; Administrative Assistant: C. Myketa

DEGREES/PROGRAMS OFFERED

**3-Year BA
4-Year BA
Honours BA
Minor**

INTRODUCTION

Disability Studies is an interdisciplinary program that balances theory, methods, and practice so that graduates will have both a broad education in the liberal arts and sciences, and a depth of study in the area of Disability Studies. The focus of the program is the critical analysis of disability in society which includes the study of disability as a social, scientific, cultural, historical, and political construction. This allows students to examine such topics as human rights, ethics and accountability, adaptive physical activity, sport and recreation, social movements, normalcy, eugenics, genetic engineering, family, sexuality, employment, socialization and development, aging, education, adaptive and universal design, international development, and gender issues.

Disability Studies is offered jointly with the Disability and Community Support diploma program at Red River College. All students majoring in Disability Studies must complete the diploma program at Red River College, and may begin their studies at either institution. The University of Winnipeg will grant a total of 45 credit hours in transfer credits (21 of which are at the 1000 level) to Red River College students who have completed the 2-year Diploma in Disability and Community Support and wish to major in Disability Studies at UW.

Students in Disability Studies graduate with both a diploma from Red River College and a degree from The University of Winnipeg.

REQUIREMENTS FOR A 3-YEAR BA IN DISABILITY STUDIES

ADMISSION REQUIREMENT	Acceptance into Red River College and the University of Winnipeg
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science (note that some Research Methods courses help fulfil this requirement)
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours/Maximum 48 credit hours. (18 credit hours in required courses – see list below – and 18 credit hours are from the 45 credit hour transfer from RRC.)

Disability Studies 3-Year BA Required courses:

DIS-1003(3)	Introduction to Disability Studies I
DIS-1004(3)	Introduction to Disability Studies II
DIS-2100(3)	Theorizing Disability*
SOC-2125(3)	Introduction to Quantitative Research Methods* <i>or</i> Any introductory social science quantitative research methods course OR
SOC-2126(3)	Introduction to Research Design and Qualitative Research* <i>or</i> Any introductory social science qualitative research methods course
DIS-3001(3)	Disability Studies Seminar 1*
DIS-30002(3)	Disability Studies Field Placement 1*

Please note: Courses with asterisks (*) have prerequisites or require departmental approval.

REQUIREMENTS FOR A 4-YEAR BA IN DISABILITY STUDIES

ADMISSION REQUIREMENT	Acceptance into Red River College and the University of Winnipeg
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science (note that some Research Methods courses help fulfil this requirement)
Social Science:	12 credit hours in Social Science
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours. (27 credit hours in required courses, 3 credit hours in area courses, and 18 credit hours are from the 45 credit hour transfer from RRC.)
	Required courses: 27 credit hours from the list of core courses 3 credit hours of area courses Minimum 12 credit hours at the 2000 level Minimum 12 credit hours at the 3000 level Maximum 18 credit hours at the 4000 level
	Students who have obtained at least a 3.0 GPA in previous Disability Studies courses may substitute a maximum of 18 credit hours at the 4000 level for 3000-level courses. Students without the required 3.0 GPA must consult the Department for permission to take 4000-level courses.
	Area courses are courses with content related to Disability Studies and must be approved by the Disability Studies Coordinator.
Disability Studies 4-Year BA:	
	DIS-1003(3) Introduction to Disability Studies I
	DIS-1004(3) Introduction to Disability Studies II
	DIS-2100(3) Theorizing Disability*
	SOC-2125(3) Introduction to Quantitative Research Methods* <i>or</i> Any introductory social science quantitative research methods course
	SOC-2126(3) Introduction to Research Design and Qualitative Research* <i>or</i> Any introductory social science qualitative research methods course
	DIS-3001(3) Disability Studies Seminar 1*
	DIS-3002(3) Disability Studies Field Placement 1*
	DIS-4001(3) Disability Studies Seminar II*
	DIS-4002(3) Disability Studies Field Placement II*
	Please note: Courses with asterisks (*) have prerequisites or require departmental approval.
Combined Major:	Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.

REQUIREMENTS FOR AN HONOURS BA IN DISABILITY STUDIES

ADMISSION REQUIREMENT	Students must have completed 30 credit hours with a minimum 3.0 GPA in Honours subject courses (cumulative GPA) and 2.5 GPA (degree GPA) in non-Honours courses. Students must consult with and have the approval of the Program in planning their course of study. Students must be accepted at Red River College and the University of Winnipeg.
------------------------------	--

GRADUATION REQUIREMENT 120 credit hours, with minimum 3.0 GPA in Honours subject courses and 2.5 GPA in Non-Honours subject courses.

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level.

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science (note that some Research Methods courses help fulfil this requirement)
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

HONOURS REQUIREMENT
Single Honours: Minimum 54 credit hours/Maximum 78 credit hours. (33 credit hours in required courses, 12 credit hours in area courses, and 9 credit hours are from the 45 credit hour transfer from RRC.)

Minimum 30 credit hours in upper level (3000-4000 level) courses
Minimum 18 credit hours in 4000-level Honours Courses
Students are allowed a maximum of 12 credit hours of Directed Readings toward the Honours requirement

Required courses:
33 credit hours from the list of core courses
12 credit hours of area courses

Area courses are courses with content related to Disability Studies and must be approved by the Disability Studies Coordinator.

Disability Studies 4-Year Honours BA:

DIS-1003(3) Introduction to Disability Studies I
DIS-1004(3) Introduction to Disability Studies II
DIS-2100(3) Theorizing Disability*
SOC-2125(3) Introduction to Quantitative Research Methods* *or*
Any introductory social science quantitative research methods course
SOC-2126(3) Introduction to Research Design and Qualitative Research* *or*
Any introductory social science qualitative research methods course

DIS-3001(3) Disability Studies Seminar 1*
DIS-3002(3) Disability Studies Field Placement 1*

DIS-4001(3) Disability Studies Seminar II*
DIS-4002(3) Disability Studies Field Placement II*

DIS-4900(6) Honours Research Paper*

Please note: Courses with asterisks (*) have prerequisites or require departmental approval.

Double Honours: Minimum 36 credit hours in each Honours subject
Minimum 24 credit hours in 4000-level Honours courses in Disability Studies

REQUIREMENTS FOR A MINOR IN DISABILITY STUDIES

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement: Minimum 12 credit hours in the Minor subject
Required courses:
DIS-1003(3) Introduction to Disability Studies I
DIS-1004(3) Introduction to Disability Studies II
DIS-2100(3) Theorizing Disability*
SOC-2125(3) Introduction to Quantitative Research Methods* *or*
any introductory social science quantitative research methods course OR

SOC-2126(3) Introduction to Research Design and Qualitative Research* or
any introductory social science qualitative research methods course
DIS-3001(3) Disability Studies Seminar 1*
DIS-3002(3) Disability Studies Field Placement 1*

Please note: Courses with asterisks (*) have prerequisites or require departmental approval.

Restrictions: Students cannot declare the same subject as a Major and a Minor.

COURSE DESCRIPTIONS

DIS-1003(3) INTRODUCTION TO DISABILITY STUDIES I

(Le3) This course addresses definitions of and approaches to disability, and the differences as a result of history and cultures. In addition, the course examines the ways in which disability is constructed in societies - including the media, workplaces service provision, families, and environmental barriers. This course is designed to be of particular interest to people with disabilities, people with interest in providing disability services, educators, caregivers, therapists, and all people with an interest in disability issues.

group setting is designed to facilitate discussion and the exchange of ideas.

Prerequisites: SOC-2100(3) or permission of the Program Coordinator.

DIS-1004(3) INTRODUCTION TO DISABILITY STUDIES II

(Le3) This course examines social change in terms of disability rights movements. It looks at innovative contemporary as well as historic approaches of social change in the community and within wide-ranging institutions within the disability rights movement in a Canadian context. A specific focus is on daily and institutional sites where disability is visible including particular federal and provincial policies, social service provision and programming, and regulated local and community-based responses. Regional variations of social change within a Canadian context are fully explored. This online course is of particular interest to people with disabilities, people with interest in providing disability services, educators, caregivers, therapists, and all people with an interest in disability issues.

DIS-3002(3) DISABILITY STUDIES FIELD PLACEMENT I

The field placement course provides students with the opportunity to work in a disability-related setting and reflect upon the experience.

Prerequisites: SOC-2125(3) or SOC-2126(3) or any introductory social science qualitative research methods course.

DIS-3003(3) DISABILITY STUDIES DIRECTED READINGS

This course provides a student at the third year level with the opportunity, in close consultation with a professor, to pursue in depth a selected area of Disability Studies.

DIS-2100(3) THEORIZING DISABILITY (Le3) Prior to the 1970s, the concept of disability was centred on individual impairments and people with disabilities were "othered" because of their difference from ableist norms. Over the last three decades, disability activists and theorists have sought to shift the focus from a medical model to a social model. Within the social model, external obstacles are regarded as disabling, rather than non-conformist bodies. This move has had a powerful impact on a disability theorization and political action. The social model of disability has much in common with critical analyses that deconstruct and denaturalize race and gender. In this course, we will consider the implications of the social model of theorizing disability, examine the critiques, and explore the alternatives.

Prerequisites: SOC-1101(6) or DIS-1003(3) or DIS-1004(3) or the former SOC-1003(3) or former SOC-1004(3).

Please note that the following courses are in development:

DIS-4001(3) Disability Studies Seminar II

DIS-4002(3) Disability Studies Field Placement II

DIS-4900(3) Honours Research Paper

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

DIS-3001(3) DISABILITY STUDIES SEMINAR I The seminar course provides students with the opportunity to study disability- related topics in some depth. The small

EAST ASIAN LANGUAGES & CULTURES (EALC)

Updated March 13, 2013

Director: Professor A. Welter (Religion & Culture); Professors: X-Y. Dong (Economics); S. Peou (Politics); Assistant Professors: E. Alexander-Mudaliar (History); J. Newmark (Religion & Culture).

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Minor

INTRODUCTION

The East Asian region constitutes one of the most dynamic and intellectually rich regions in the world. The impact of East Asian economic development has been keenly felt in recent decades and the region has a major impact on world affairs. The legacy of East Asian history, religious and social values, literatures, etc., is a major factor in current affairs in the region, and this legacy will continue to shape our global future.

The EALC program is devoted to the study of East Asian cultures. The program introduces students to East Asian cultures and societies through two components: a) the study of East Asian languages (Chinese—Mandarin and Classical, and Japanese), and b) the study of East Asian cultures through a multi-disciplinary approach (Religion & Culture, History, Literature, Cinema, Economics, Politics, and International Development Studies). A unique feature of the program is its focus on the intellectual legacy of East Asian cultures, introduced through the study of texts and ideas in the historical and cultural contexts that shaped them. The rationale for this focus is a belief that just as East Asian economies are having a global impact beyond the East Asian region, intellectual beliefs and cultural habits will challenge hitherto global presuppositions regarding accepted practices and habits of thought.

The EALC program is currently administered through the Department of Religion & Culture. Graduates who are interested in careers related to East Asia in fields such as education, government, and business benefit greatly from courses in East Asian Languages & Cultures.

REQUIREMENTS FOR A 3-YEAR BA IN EAST ASIAN LANGUAGES & CULTURES

ADMISSION REQUIREMENT Students are advised to consult with the faculty advisor in planning their curriculum at the beginning of each registration session.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours.
Double Major: 30 credit hours in East Asian Languages & Cultures and the specified number of credit hours in the other department/program.
Distribution: Students must take at least 3 credit hours relating to Chinese culture and 3 credit hours relating to Japanese culture.

Required courses:

EALC-1004(3) East Asian Cultural Foundations
Minimum of 6 credit hours in an East Asian language (Chinese or Japanese).
Minimum of 18 credit hours in East Asian culture courses (up to 6 credit hours may be taken from courses with significant Asian content—see below).
Minimum 6 credit hours at the 3000 level in East Asian Languages & Cultures.

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

Prescribed courses:

EALC-1004(3) East Asian Cultural Foundations
Minimum of 6 credit hours in an East Asian language (Chinese or Japanese).
Minimum of 12 credit hours in East Asian culture courses (up to 6 credit hours may be taken from courses with significant Asian content—see below).
Minimum 3 credit hours at the 3000 level in East Asian Languages & Cultures.

REQUIREMENTS FOR A 4-YEAR BA IN EAST ASIAN LANGUAGES & CULTURES

ADMISSION REQUIREMENT	Students must consult with the department advisor in planning their studies. Students must have completed at least 30 credit hours previously.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours.
Double Major:	Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates:	Minimum of 18 credit hours/Maximum of 36 credit hours in related courses from one or more of several departments. Maximum total of cognate and major courses is 84 credit hours combined.
Distribution:	Students must take at least 6 credit hours relating to Chinese culture and 6 credit hours relating to Japanese culture.
Required courses:	<p>EALC-1004(3) East Asian Cultural Foundations Minimum of 12 credit hours in an East Asian language (Chinese or Japanese). Minimum of 30 credit hours in East Asian culture courses (up to 12 credit hours may be taken from courses with significant Asian content—see below). Minimum of 18 credit hours at the 3000 level in East Asian Languages & Cultures.</p>
Combined Major:	Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.
Prescribed courses:	<p>EALC-1004(3) East Asian Cultural Foundations Minimum of 12 credit hours in an East Asian language (Chinese or Japanese). Minimum of 18 credit hours in East Asian culture courses (up to 6 credit hours may be taken from courses with significant Asian content—see below). Minimum of 18 credit hours at the 3000 level in East Asian Languages & Cultures.</p>
Study Abroad requirement:	Minimum one semester in an approved study abroad program in an East Asian country. Credits earned while studying abroad are transferable and may be used to fulfil major requirements.
	Individuals' programs will be structured to meet student needs and interests. Students planning to major in East Asian Languages and Cultures must consult with the Program Coordinator after completing 30 credit hours.

Courses in Other Departments that fulfil the East Asian culture requirement

Students may include the following courses toward their Major.

Economics	ECON-3317(3)	Asia Pacific Economies (Note: requires pre-requisite)
International Development Studies	IDS-2184(3)	Asia/Pacific Development Issues (Note: requires prerequisite)
Politics	POL-3030(3) POL-3121(3)	Comparative Politics in East Asia Asia-Pacific Security

Courses in Other Departments with significant Asian or Cultural Studies content

Students may take up to 6 credit hours (3 year BA) or 12 credit hours (4 year BA) from the following list of courses to fulfil their "culture" course requirement.

Anthropology	ANTH-1002(3) ANTH-2100(3)	Introduction to Cultural Anthropology, Method & Theory in Cultural Anthropology
History	HIST-2701(6) HIST-2703(3) HIST-3706(6) HIST-3708(3)	Asia Since 1500 South Asia Since 1500 Colonialism & Nationalism in India Women's History in South Asia

Religion & Culture	HIST 3118(3)	South Asian Diaspora Since 1800
	HIST 4703(6)	Postcolonial India (requires permission)
	REL-1002(6)	Exploring Religion: the World's Religions
	REL-2704(3)	Buddhist Traditions in India & Southeast Asia
	REL-2901(3)	Art in Non-Christian Religions

Sample Program (3 year)

Years 1-2: East Asian Cultural Foundations (EALC 1004)	3 credit hours
Intro. Language course (EALC 1100 or 1200)	6 credit hours
East Asian Culture courses (2000 level)	6 credit hours
Year 3: Intermediate Language course (EALC 2100 or 2200)	6 credit hours
East Asian Culture courses (2000 level)	3 credit hours
East Asian Culture course (3000 level)	6 credit hours

Sample Program (4 year)

Years 1-2: East Asian Cultural Foundations (EALC 1004)	3 credit hours
Intro. Language course (EALC 1100 or 1200)	6 credit hours
East Asian Culture courses (2000 level)	6 credit hours
Year 3: Intermediate Language course (EALC 2100 or 2200)	6 credit hours
East Asian Culture courses (2000 level)	6 credit hours
East Asian Culture courses (3000 level)	3 credit hours
Year 4: Semester abroad Language & Culture courses	
East Asian Culture courses (2000 level)	3 credit hours
East Asian Culture courses (3000 level)	15 credit hours

REQUIREMENTS FOR A MINOR IN EAST ASIAN LANGUAGES & CULTURES

Degree:	Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	Minimum 6 credit hours of East Asian language courses Minimum 3 credit hours at 3000 or 4000 level
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

COURSE LISTINGS

INTRODUCTORY COURSES

Majors are required to take EALC-1004, East Asian Cultural foundations and either EALC-1100 (Introduction to Japanese Language) or EALC-1200 (Introduction to Chinese Language).

AREAS OF STUDY

Note: Courses are offered on rotation.

Note: 2000-level courses are open to all students, without prerequisite.

Note: Except where otherwise indicated the 3000-level courses are open to students who have completed successfully at least 6 credit hours in East Asian Languages & Cultures, or who have received the consent of the instructor.

East Asian Languages courses

(courses that fulfill East Asian language requirements)

- EALC-1100(6) Introduction to Japanese Language
- EALC-1200(6) Introduction to Chinese Language
- EALC-1202(6) Introduction to Chinese for Heritage Students
- EALC-1300(6) Introduction to Korean Language
- EALC-2100(6) Intermediate Japanese Language
- EALC-2200(6) Intermediate Chinese Language
- EALC-2031(6) Chinese-English Translation
- EALC-2300(6) Intermediate Korean Language
- EALC-3007(6) Introduction to Classical Chinese
- EALC-3100(6) Advanced Japanese

East Asian Cultures courses

(courses that fulfill East Asian cultures requirements; see also Courses in Other Departments that fulfill the East Asian culture requirement and Courses in Other Departments with significant Asian or Cultural Studies content, listed above)

- EALC-1004(3) East Asian Cultural Foundations
- HIST-2704(3) History of East Asia Since 1500
- EALC-2707(3) Chinese Religions
- EALC-2708(3) Religion in Japanese Life
- EALC-2709(3) Women in Asian Religions & Cultures
- EALC-2718(3) Buddhist Traditions in East Asia
- EALC-2721(3) Traditional Japanese Culture
- EALC-2723(3) Japanese Cinema
- EALC-2731(3) Chinese Culture & Beliefs

EALC-2734(3) The Making of Modern East Asian Culture
 EALC-2772(3) Modern Chinese Literature in Translation
 EALC-2773(3) Chinese Cinema
 EALC-2774(3) Chinese Intellectual History
 EALC-2775(3) Intellectual Encounters: China and the West
 EALC-3704(3) / 4704(3) Chinese & East Asian Perspectives on Human Rights
 EALC-3707(3) / 4707(3) Zen Buddhism & East Asian Culture
 EALC-3708(3) / 4708(3) Topics in Buddhist Culture & Society
 EALC-3720(3) / 4720(3) Topics in Japanese Culture & Society
 EALC-3721(3) / 4721(3) The Age of the Samurai
 EALC-3731(3) / 4731(3) Topics in Chinese Culture & Society
 EALC-3732(3) / 4732(3) Topics in Chinese Intellectual and Cultural History
 EALC-3970(3) / 4970(3) Topics in Asian Religions and Cultures

COURSE DESCRIPTIONS

EALC 1004(3) EAST ASIAN CULTURAL FOUNDATIONS

(Le3) This course introduces students to the cultural traditions and belief systems of East Asia (primarily China, Japan, and Korea). Traditions examined include Confucianism, Daoism (Taoism), and Buddhism. Special attention is given to the examination of ideas stemming from primary source documents (in translation) within their historical and cultural contexts. Emphasis is given to the central role played by developments in China for the formation of East Asian cultural values.

EALC-1100(6) INTRODUCTION TO JAPANESE

LANGUAGE (Le3/La1) This course introduces students to the modern Japanese language. The aim of this course is to provide a solid base in vocabulary, grammar, and pronunciation through speaking, listening, writing, and reading exercises. Students are introduced to Japanese syllabary (hiragana and katakana) and basic Japanese characters (kanji). In addition to providing the basis for further research for EALC students interested in Japanese studies, the course is of interest to a variety of students from various disciplines interested in acquiring basic Japanese language skills.

RESTRICTIONS: Native speakers of Japanese or students who have standing in Japanese 40S or equivalent are not eligible to take this course. Students may not receive credit for both this course and the former REL-2020(6).

EALC-1200(6) INTRODUCTION TO CHINESE LANGUAGE

(Le3/La1) This course introduces students to the modern standard Chinese language (Mandarin). The aim of the course is to provide a solid base in vocabulary, grammar, and pronunciation through speaking, listening, writing and reading exercises. In addition to providing the basis for further research for EALC students interested in Chinese studies, the course is of interest to a variety of students from various disciplines interested in acquiring basic Chinese language skills.

RESTRICTIONS: Permission of Instructor required. This course is not intended for Chinese native speakers, including speakers of dialects other than Mandarin. Students may not receive credit for both this course and the former REL-2030(6).

EALC-1202(6) INTRODUCTION TO CHINESE FOR

HERITAGE STUDENTS (Le3/La1) This course is designed as part of the EALC Chinese language program. It is an introductory course for heritage language learners who have speaking ability in Mandarin Chinese or Chinese dialects, but have little or no knowledge of written Chinese. Building upon students' oral abilities, this course aims to develop students' communicative competence in listening, speaking, reading and writing in spoken and written Mandarin (simplified characters), with special emphasis on reading and writing. Students in this course learn

pronunciation (*Pinyin* system), the Chinese writing system, basic vocabulary, grammatical structures, and written characters. Chinese culture is integrated throughout the language learning process. The key terms relating to Chinese religions and culture are also studied.

EALC-1300(6) INTRODUCTION TO KOREAN LANGUAGE

(Le3/La1) This course introduces students to the modern Korean language. The aim of this course is to provide a solid base in vocabulary, grammar, and pronunciation through speaking, listening, writing and reading exercises. Students are introduced to the Korean characters known as Hangul. In addition to providing the basis for further research for Religious Studies students interested in Asian religions, the course is of interest to a variety of students from various disciplines interested in acquiring basic Korean language skills.

Prerequisite: Permission of the instructor

Restriction: Native speakers of Korean or students who have standing in Korean 40S or the former REL-2040(6) or equivalent are not eligible to take this course.

EALC-2031(6) CHINESE-ENGLISH TRANSLATION (Le3)

This course seeks to improve students' language skills and deepen their ability to communicate meanings in written texts between the two languages and two cultures. Students translate original scripts drawn from various genres of literature, including scientific materials and documents. Basic approaches include guided class discussion, a minimum of lecture time and a maximum of translation practice time. This course is an introduction to the principles and techniques of translation, but requires proficiency in the Chinese and English languages.

Prerequisites: at least 3 credit hours in RHET 1101, RHET1102, RHET1103, RHET1104, RHET1105, RHET1104.

EALC-2100(6) INTERMEDIATE JAPANESE LANGUAGE

(Le3/La1) In this course, students extend their knowledge of Japanese grammar and vocabulary in communicative and academic contexts through assignments, group work, and exercises in speaking, listening, writing, and reading. Students are expected to be able to read and write hiragana, katakana, and some kanji, and to have mastered pronunciation and basic Japanese grammar. In addition to providing the basis for further research for students in EALC who are interested in Japanese studies, this course is of interest to elementary students of Japanese who wish to improve their language skills.

PREREQUISITES: EALC 1100(6) or equivalent.

RESTRICTIONS: Native Speakers of Japanese are not eligible to take this course.

EALC-2200(6) INTERMEDIATE CHINESE LANGUAGE (Le3,

La1) This course is a continuation of Introduction to Chinese Language (Mandarin), and is a study of Chinese in its spoken and written forms with more vocabulary, more advanced grammatical structures and written characters. Equal emphasis is given to speaking, listening, reading, and writing. Chinese dictionary usage is also addressed. In addition to providing the basis for

further research for EALC students interested in Chinese studies, this course is of interest to a variety of students who wish to improve their Chinese language skills.

PREREQUISITES: This course is open to students who have taken Introduction to Chinese Language (EALC 1200(6) or equivalent, or whose Chinese language ability meets the expectation of the introductory course. Students without the prerequisite must get permission from the instructor.

RESTRICTIONS: Speakers of dialects other than Mandarin must receive permission from the instructor to take this course.

EALC-2300(6) INTERMEDIATE KOREAN LANGUAGE (Le3/La1) Intermediate Korean is designed for students who have already completed Introduction to Korean or the equivalent. Building on their knowledge of Korean, students will learn more advanced vocabulary, grammar, and idiomatic expressions that are used in traditional and modern Korean. Students will also learn about Korean culture through the textbook and occasional audio and visual materials. In class, students are encouraged to speak as much Korean as possible to improve their oral communication skills. Overall, the course aims to develop intermediate-level proficiency in reading, writing, speaking, and listening skills.

Prerequisites: EALC-1300 or equivalent.

EALC-2707(3) CHINESE RELIGIONS (Le3) This course is a study of the basic beliefs and practices of the Chinese as informed by the three major Chinese traditions: Confucian, Daoist (Taoist), and Buddhist. The course will examine the development of each of these traditions, as well as their blending into a comprehensive set of beliefs and practices that shaped the common understanding and practice of Chinese religion. The effect of Communism on Chinese religious life and the resurgence of religion in contemporary China will also be examined.

CROSS LISTED: Religion & Culture REL-2707(3)

EALC-2708(3) RELIGION IN JAPANESE LIFE (Le3) This course examines the religious life of the Japanese people, as informed by traditions deriving from the native Shinto religion of Japan, the adapted traditions of Buddhism and Confucianism, and the impact of Westernization and modernization on traditional beliefs and practices.

CROSS LISTED: Religion & Culture REL-2708(3)

EALC-2709(3) WOMEN IN ASIAN RELIGIONS & CULTURES (Le3) The course examines the experiences of women in several Asian cultures (e.g., Indian, Chinese, Japanese), and in several religious traditions (e.g., Hinduism, Buddhism, Confucianism, Daoism). The course is intended as a comprehensive introduction to women's experience in both pre-modern and modern contexts, with attention to how women are perceived and perceive themselves in religious and cultural roles.

CROSS LISTED: Religion & Culture REL-2709(3)

EALC-2718(3) BUDDHIST TRADITIONS IN EAST ASIA (Le3) This course traces the historical development of Mahayana (Great Vehicle) Buddhism in East Asia, focusing on the founding of East Asian Buddhist traditions in China, and their transmission to Korea and Japan. The course introduces the major beliefs and practices associated with East Asian Buddhism, the schools, figures, and texts that form the traditions that have flourished in East Asian countries. In addition to Chinese Buddhist developments, the course examines the adaptation of Chinese Buddhist traditions in Korea and Japan.

CROSS LISTED: Religion & Culture REL-2718(3)

EALC-2721(3) TRADITIONAL JAPANESE CULTURE (Le3) This course surveys traditional Japanese culture through an

exploration of visual and dramatic arts, literature, philosophy, and religion. Special emphasis is placed on cross-cultural roots that bridged Japan with its neighboring countries in East Asia. The historical foundations of popular Japanese contemporary culture—Manga, Anime, and high technology to name a few—are also discussed.

CROSS LISTED: Religion & Culture REL-2721(3)

EALC-2723(3) JAPANESE CINEMA (Le3) This course surveys Japanese cinema from the 1960s to the present day. To understand the context of the films, relevant literature (short stories, novels, and traditional Japanese theater on which the films are based) is discussed. In the process, the focus is on transitions from modern to postmodernism, alterity, and subjectivity in film. Directors examined include, among others, Ozu, Mishima, Kurosawa, Teshigahara, Miyazaki, and Kitano.

EALC-2731(3) CHINESE CULTURE & BELIEFS (Le3) This course focuses on Chinese traditions and values that have influenced modern Chinese society. This course is introductory and requires no prior knowledge of Chinese language and history. Students in the course discover ways in which cultural representations in social life, customs, business practice, literature, and art have affected and are being affected by beliefs. Through lecture and guided discussion students better understand how traditions and beliefs continue to inform about Chinese culture today.

CROSS LISTED: Religion & Culture REL-2731(3)

EALC-2734(3) THE MAKING OF MODERN EAST ASIAN CULTURE (Le3) This course introduces students to East Asian culture in modern times. It surveys the transformation of traditional cultural values as a result of intense political and cultural influence from the West since the late 19th century, and explores the roots of contemporary culture in China, Japan, and Korea. Particular attention is given to the impact of literature (primarily short stories and novels by early 20th-century intellectuals) and Western thought on the East Asian region (e.g. social Darwinism, liberalism, science and democracy, introduced to East Asia during the late 19th century), and on the way in which traditional values are being critically re-evaluated as China, Japan, and Korea have endeavoured to modernize their societies.

EALC-2772(3) MODERN CHINESE LITERATURE IN TRANSLATION (Le3) The course focuses on Chinese literary texts that reflect the stylistic conventions and cultural issues of China between 1911 and the 21st century. The course is introductory and requires no prior knowledge of Chinese language, history, or culture. All texts in this course are in English. Students not only examine the forms and contents of the literary texts from various theoretical points of view, but also explore the social, political, and historical contexts in which these texts are written. Through lecture and guided discussion, students discover the ways in which Modern Chinese Literature continues to inform about Chinese culture today.

EALC 2773(3) CHINESE CINEMA (Le3) This course focuses on films produced by Chinese filmmakers between the 1930s and the present in appropriate historical and cultural contexts. The course is introductory and requires no prior knowledge of Chinese language, history, culture, or literature. All the films studied in the course have English subtitles. Students in the course generally view one film per week, preceded by preparatory lecture and followed by guided class discussion.

EALC-2774(3) CHINESE INTELLECTUAL HISTORY (Le3) This course explores the intellectual history of China, focusing on developments before the Qing Dynasty (1644). Leading intellectual currents of Chinese thought are examined within the historical contexts that produced them. Special attention is given to interactions and debates within and between the traditions of Confucianism, Daoism, and Buddhism.

CROSS LISTED: Religion & Culture REL-2774(3).

EALC-2775(3) CHINA & THE WEST (Le3) In this course, intellectual encounters between China and the West from the 17th century to the present are examined in order to gain an understanding of China's search for identity. Topics include Chinese reactions to and adaptations of Western ideas, the ongoing validity of native traditions and institutions, the threat posed by Westernization and modernization, and the influence that these have had on the development of modern China.

CROSS LISTED: Religion & Culture REL-2775(3).

EALC-3007(6) INTRODUCTION TO CLASSICAL CHINESE (Le3) This course introduces students to Classical Chinese language grammar, style, and the use of traditional characters, through the reading of excerpts from traditional Chinese literature, the basis from which all forms of the Classical Chinese writing system, in Japan and Korea as well as China, developed. Special attention is given to texts from ancient China's intellectual and religious traditions, Confucianism and Daoism (Taoism). The course assumes no prior knowledge of Chinese.

RESTRICTIONS: Not available to students with prior training in Classical Chinese. Students may not receive credit for this and the former REL-2007(6).

CROSS LISTED: Religion & Culture REL-3007(6)

EALC 3100 (6) ADVANCED JAPANESE In this course, students complete their undergraduate studies in the Japanese language through advanced communicative and written exercises. Special emphasis is placed on social science readings, allowing students to read and comprehend a Japanese language newspaper article by the end of the course. Students are also encouraged to participate in the advanced level of the Manitoba Japanese Speech Contest.

Prerequisites: EALC-2100(6) or permission of instructor.

EALC-3704(3) / EALC-4704(3) CHINESE AND EAST ASIAN PERSPECTIVES ON HUMAN RIGHTS This course focuses on conceptions of human rights in the Chinese and East Asian cultural context. While human rights notions are accepted and appreciated in many parts of Asia, the origins of human rights are rooted in Western intellectual discourses centering on notions of the individual and individual autonomy. Asian traditions are, as a rule, conceived on communitarian frameworks where individuality is subsumed within a framework defined by the needs of a community, however defined. The course explores the diversity of Asian views on this topic, with a focus on those emanating from Chinese culture.

PREREQUISITE: At least one non-language course in EALC, or permission of instructor.

RESTRICTIONS: Students may not receive credit for both EALC-3704(3) and EALC-4704(3).

CROSS LISTED: Religion and Culture REL 3704(3) / 4704(3), Human Rights & Global Studies HRGS 3311(3).

EALC-3707(3) / EALC-4707(3) ZEN BUDDHISM & EAST ASIAN CULTURE (S3) This course examines the history of Zen (Chinese Chan) Buddhism against the background of East Asian culture and its Buddhist heritage. The course features an examination of classical Zen texts (in translation), contrasting traditional interpretations with those of contemporary scholars.

PREREQUISITES: 6 credit hours in East Asian Cultures courses (or equivalent), or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both EALC-3707(3) and EALC-4707(3).

CROSS LISTED: Religion & Culture REL-3707(3) / 4707(3)

EALC-3708(3) / EALC-4708(3) TOPICS IN BUDDHIST

CULTURE & SOCIETY (S3) This course explores topics of contemporary interest regarding the study of Buddhism and society, examining major issues facing Buddhism in the Asian context, focusing on aspects of the institutional, social, and political role played by Buddhism. May be taken for credit more than once, with permission of instructor. Topics may include: Buddhism and Tibetan identity in the struggle for Tibetan autonomy in China, the Buddhist monastic institution and its role in society, and debates over the interpretation of Buddhism in modern Asian countries.

PREREQUISITES: 6 credit hours in East Asian Cultures courses (or equivalent), or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both EALC-3708(3) and EALC-4708(3).

CROSS LISTED: Religion & Culture REL-3708(3) / 4708(3)

EALC-3720(3) / EALC-4720(3) TOPICS IN JAPANESE

CULTURE & SOCIETY (S3) This course examines a variety of topics in Japanese Culture and Society. Topics selected change from year to year according to instructor and student interests. Possible topics may include the development of intellectual culture in Tokugawa Japan (1600-1868), the role of women in Japanese culture, Shinto ("the way of the gods") thought and practice, and the search for identity in modern Japan. This course may be taken for credit more than once, with permission of the instructor.

PREREQUISITES: 6 credit hours in East Asian Cultures courses (or equivalent), or permission of the instructor.

EALC-3721(3) / EALC-4721(3) THE AGE OF THE SAMURAI

(S3) "Samurai" often evokes an image of a warrior entranced in the Bushido code, ready to commit harakiri upon command. This course demystifies such an aura surrounding Japan's warrior class by exploring their rise from Heian temple servants to Sengoku warlords and then their fall from Edo Japan's intellectuals and bureaucrats to the realms of the destitute. Sources include samurai autobiographies, their intellectual scholarship, and representations of samurai in contemporary popular culture.

Prerequisites: EALC/REL-2721 or permission of the instructor.

Cross Listed: Religion and Culture REL-3721(3) / 4721(3).

EALC-3731(3) / EALC-4731(3) TOPICS IN CHINESE CULTURE

& SOCIETY (S3) This course explores specific topics in the Asian Religions and Cultures area of study at an advanced level. This course may be repeated for credit when the topic varies. Students enrolled at the 4000 level are typically assigned a heavier workload in terms of assignments and are expected to perform at a more advanced level. Students should consult the department regarding potential offerings in a given year.

PREREQUISITES: 6 credit hours in East Asian Cultures courses (or equivalent), or permission of the instructor.

CROSS LISTED: Religion & Culture REL-3731(3) / 4731(3).

EALC 3732(3) / 4732(3) TOPICS IN CHINESE INTELLECTUAL

AND CULTURAL HISTORY (S3) This course explores a variety of topics in Chinese intellectual history. It examines specific cultural, literary, and intellectual trends in China, paying specific attention to how they were shaped by a variety of social, political, economic, and religious factors. Possible topics may include correlative cosmology in Han Confucianism, individualism in medieval China, Tang-Song intellectual transitions, Buddhist-Confucian interactions in the Middle Period of China, Neo-Confucianism and its social impacts in Late-Imperial China, the rise of evidential studies in Qing China, and the May Fourth Movement. This course may be repeated for credit when the topic varies. Additional work is required at the 4000 level

PREREQUISITES: 6 credit hours in East Asian Cultures courses (or equivalent), or permission of the instructor.

REL-3970(3) / 4970(3) TOPICS IN ASIAN RELIGIONS AND CULTURES (S3) This course explores specific topics in the Asian Religions and Cultures area of study at an advanced level. This course may be repeated for credit when the topic varies. Students enrolled at the 4000 level are typically assigned a heavier workload in terms of assignments and are expected to perform at a more advanced level. Students should consult the department regarding potential offerings in a given year.

PREREQUISITES: 6 credit hours in East Asian Languages and Cultures or 6 credit hours in Religion & Culture, 3 of which must be in the Asian Religions and Cultures area of study, or permission of the instructor. Students registering at the 4000 level must have departmental permission.

CROSS LISTED: Religion and Culture REL 3970(3) / 4970(3).

EALC-4700(3) TOPICS IN ASIAN RELIGIONS AND CULTURES (S3) This course studies specific topics in Asian Religions and Cultures at an advanced level. Students should consult the department regarding potential offerings in a given year.

PREREQUISITES: Permission of Department Chair.

CROSS LISTED: Religion & Culture REL-4700(3)

ECONOMICS (ECON)

May 29, 2013

Note: The department/program code ECON replaces the former code 14. Students cannot hold credit in ECON-xxxx and the former 14.xxxx having the same course number (e.g., ECON-1102(3) and 14.1102(3)).

Chair: Professor P. Cyrenne; **Professors:** X-Y. Dong, H. Grant; **Associate Professors:** S. Baksi, M. O’Gorman, M. Pandey, J. Townsend; **Assistant Professors:** W. Cai, S. Dodds, M. Dubrovinsky, A. Ray Chaudhuri, H. Ta.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA (Concentrations: Economics, Public Policy, Environmental, Development, Financial Markets, Political Economy, or Pre-Honours)

Honours BA

Minor

INTRODUCTION

Economics is the social science which explores human activity directed towards the satisfaction of human wants in the context of the limited resources available in the world. It studies the issues related to the mixture of competition and cooperation among individuals, private organizations and governments in satisfying these wants.

It studies the issues that arise out of the mixture of competition and cooperation among individuals, private organizations, and governments in satisfying these wants. In recent years, economics has been particularly concerned with analysis of the major economic problems of unemployment, inflation, and the distribution of wealth; with environmental issues; and with the alternative public and private policy responses.

The undergraduate study of Economics is directed towards the goal of a liberal arts education. Students study the historical, institutional, and theoretical background of modern economics from a Canadian perspective. This provides an analytical framework for making more informed judgements about current economic policies. One may obtain the Economics Major through the 3-Year BA, the 4-Year BA or the BA Honours degree program. Some of the courses offered are recommended for Interdisciplinary programs, and it is common for other Social Science Departments to require or recommend certain Economics courses. As a 4-Year BA student of Economics you may choose a general degree or a degree that includes a number of course areas or concentrations: Public Policy, Environmental Economics, Development Economics, Financial Markets, Political Economy or Pre-Honours.

A BA degree in Economics will lead naturally to employment in business, financial services, government, and international organizations. Graduate level studies lead to university teaching positions, independent consultancies, and research. The BA in Economics is highly recommended for students planning to go into law, accounting, or business schools.

REQUIREMENTS FOR A 3-YEAR BA IN ECONOMICS

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 36 credit hours/Maximum 48 credit hours.
Double Major: 36 credit hours in Economics and specified number of credit hours in the other department/program.

Required courses:

Minimum 2.0 GPA (C) required in the Introductory course(s):
ECON-1102(3) Introduction to Economics: Micro, **AND ECON-1103(3)** Introduction to Economics: Macro
ECON-2101(3) Intermediate Economics: Micro
ECON-2102(3) Intermediate Economics: Macro
Minimum 12 credit hours at the 3000 level.
Quantitative Methods Requirement (minimum 6 credit hours)
(i) 3 credit hours in Mathematics (minimum). **MATH-1103 (3)** Introduction to Calculus I or **MATH-1102(3)** Basic Calculus (TERMINAL) or **ECON-1201(3)** Quantitative Methods for Economics and Business. Students

who wish to pursue a BA (Hons) Economics must also take **MATH-1104 (3)** Introduction to Calculus II (in their first or second year) or the course **MATH-1101(6)** Introduction to Calculus (in their first year).
(ii) **3 credit hours in Statistics** : **STAT-1301(3)** Statistical Analysis I or the equivalent.

Combined Major: Minimum of 48 credit hours from two (2) different majors with not less than 18 credit hours from each major.

Prescribed courses:

ECON-1102(3) Introduction to Economics: Micro
ECON-1103(3) Introduction to Economics: Macro
ECON-2101(3) Intermediate Economics: Micro
ECON-2102(3) Intermediate Economics: Macro
6 credit hours at the 3000 level Economics

Students in the General program who are entering the third year of studies with a minimum 3.0 GPA (B) in all Economics courses may be permitted to register in a maximum of 2 (two) 4000-level courses with approval of the Department Chair.
A 4000-level course may be substituted for a 3000-level requirement.

Students who have already completed 6 credit hours in Introductory Statistics (STAT-1201(6) or the former STAT-1301(6)) may not use the former **ECON-2202(3)** Statistical Analysis in Economics as credit towards any major in Economics; these students need to take additional Economics course(s) in order to meet the minimum Major requirement.

Students wishing to pursue an Honours degree in Economics are advised to complete **MATH-1101(6)** or the equivalent **MATH-1103 (3)** Introduction to Calculus I AND **MATH-1104 (3)** Introduction to Calculus II and **STAT-1301(3)** in their first year of study. These students are advised to complete **ECON-2201(3)** Mathematics for Economics and Finance in their second year of study.

REQUIREMENTS FOR THE 4-YEAR BA IN ECONOMICS

ADMISSION REQUIREMENT	Students must consult with the department advisor in planning their course of study. Minimum 30 credit hours completed previously.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Sciences:	6 credit hours in Science
Social Sciences:	12 credit hours in Social Sciences
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours of Economic courses plus specified number of credit hours in the other departments/programs.
Double Major:	48 credit hours in each Major subject as specified by the department/program.
Cognate:	Minimum 18 credit hours/Maximum 36 credit hours of ancillary courses. Maximum Major and Cognate Courses: 84 credit hours combined.
Required courses:	
	Minimum 2.0 GPA (C) required in the Introductory course(s):
	ECON-1102(3) Introduction to Economics: Micro, AND
	ECON-1103(3) Introduction to Economics: Macro
	ECON-2101(3) Intermediate Economics: Micro
	ECON-2102(3) Intermediate Economics: Macro
	ECON-2201(3) Mathematics for Economics and Finance
	ECON-3104(3) Modern Microeconomics for Economics and Business
	Minimum 24 credit hours at the 3000 level or 4000 level.
	Quantitative Methods Requirement (minimum 9 credit hours)
	(i) 6 credit hours in Mathematics : MATH-1103 (3) Introduction to Calculus I and MATH-1104 (3) Introduction to Calculus II the equivalent MATH-1101(6) Introduction to Calculus. Alternatively, students may take MATH-1103 (3) Introduction to Calculus I (recommended) or MATH-1102(3) Basic Calculus (Terminal) and MATH-1201(3) Linear Algebra.
	(ii) 3 credit hours in Statistics : STAT-1301(3) Statistical Analysis I or the equivalent.

Combined Major: Minimum of 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.

Prescribed courses:

ECON-1102(3) Introduction to Economics: Micro
ECON-1103(3) Introduction to Economics: Macro
ECON-2101(3) Intermediate Economics: Micro

ECON-2102(3) Intermediate Economics: Macro

6 credit hours of 3000 level Economics

Students with a minimum 3.0 GPA (B) in Economics courses may be permitted to substitute a maximum of 18 credit hours of 4000-level courses for 3000-level courses with approval of the Department Chair.

An additional 30 credit hours is required. Students choose either Option A or Option B.

A. BA 4 year Economics (30 additional credit hours in Economics)

B. BA 4 year Concentration Program in Economics

CONCENTRATION PROGRAM REQUIREMENTS (Choose two areas of Concentration)

I. Concentration (Public Policy) (PP) (Choose 15 credit hours)

ECON-3115(3) Gender and the Economy
ECON-3201 (3) Econometrics for Economics and Finance*
ECON-3301 (3) International Trade: Theory and Policy
ECON-3303 (3) Economics of Public Expenditures: Theory and Policy
ECON-3304 (3) Economics of Taxation: Theory and Policy
ECON-3307 (3) Industrial Organization
ECON-3308 (3) Regulation and Public Policy
ECON-3310 (3) Economics of Health Care
ECON-3311(3) Government Policy Towards Business
ECON-3316 (3) Cost-Benefit Analysis and Project Evaluation

* Recommended

II. Concentration (Environmental Economics) (EE) (Choose 15 credit hours)

ECON-2311 (3) Economics of Natural Resource Extraction
ECON-2317 (3) Environmental Economics
ECON-2318 (3) Energy Economics
ECON-3201 (3) Econometrics for Economics and Finance*
ECON-3301 (3) International Trade: Theory and Policy
ECON-3315 (3) Urban Economics and Real Estate Markets
ECON-3316 (3) Cost-Benefit Analysis and Project Evaluation

* Recommended

III. Concentration (Development) (D) (Choose 15 Credit hours)

ECON-2306 (3) Canadian Economic Development
ECON-3115(3) Gender and the Economy
ECON-3120(3) Microfinance in Theory and Practice
ECON-3201 (3) Econometrics for Economics and Finance*
ECON-3301 (3) International Trade: Theory and Policy
ECON-3305 (3) Economic Development
ECON-3306 (3) International Aspects of Economic Development
ECON-3315 (3) Urban Economics and Real Estate Markets
ECON-3317 (3) Economic Development in the Asia Pacific Region
ECON-3302 (3) International Finance

* Recommended

IV. Concentration (Political Economy) (PE) (Choose 15 credit hours)

ECON-2303 (3) Labour Economics
ECON-2304 (3) Income Distribution and Industrial Relations
ECON-2305 (3) Canadian Economic History
ECON-2306 (3) Canadian Economic Development
ECON-3115(3) Gender and the Economy
ECON-3120(3) Microfinance in Theory and Practice
ECON-3201 (3) Econometrics for Economics and Finance*
ECON-3321 (3) History of Economic Thought I
ECON-3322 (3) History of Economic Thought II

* Recommended

V. Concentration (Financial Markets) (F) (Choose 15 credit hours)

ECON-2301 (3) Financial Markets and Financial Systems
ECON-2302 (3) Money and Banking
ECON-3201 (3) Econometrics for Economics and Finance*
ECON-3311(3) Government Policy Towards Business
ECON/BUS-2819 (3) Corporate Finance I
ECON/BUS-2820 (3) Corporate Finance II
ECON-3319 (3) Managerial Economics
ECON/BUS-3320 (3) Managerial Finance

ECON-3302 (3) International Finance
* Recommended

VI. Concentration (Pre-Honours) (PH) (Choose 15 credit hours)

ECON-3201 (3) Econometrics for Economics and Finance*

ECON-4103 (3) Microeconomics

ECON-4104 (3) Macroeconomics plus 6 additional credit hours at the 4000-level in Economics

* Recommended

REQUIREMENTS FOR THE HONOURS BA IN ECONOMICS

ADMISSION REQUIREMENT	Students are advised to consult with the Department Chair/Honours Advisor in planning their program. Entry into the program after completing a minimum of 30 credit hours. Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses. The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses. The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Honours:	Minimum 60 credit hours/Maximum 78 credit hours in the Honours subject. Minimum 24 credit hours in 4000-level Honours Subject courses.
Double Honours:	Minimum 36 credit hours in each Honours subject. Minimum 24 credit hours at the 4000-level in the Economics component of the double Honours. For the requirements of the other Honours subject consult the department involved.

Required courses:

Year 1: Minimum 2.0 GPA (C) required in the Introductory course(s):

ECON-1102(3) Introduction to Economics: Micro, AND **ECON-1103(3)** Introduction to Economics: Macro

MATH-1101(6) Introduction to Calculus or the equivalent **MATH-1103 (3)** Introduction to Calculus I AND **MATH-1104 (3)** Introduction to Calculus II

STAT-1301(3) Statistical Analysis I and **STAT-1302** Statistical Analysis II Students who have already completed 6 credit hours in Introductory Statistics (**STAT-1201(6)**) may not use the former Statistical Analysis in Economics (2202(3)) as credit towards any major in Economics; these students need to take additional Economics course(s) in order to meet the minimum Major requirement.

Year 2: **ECON-2101(3)** Intermediate Economics: Micro

ECON-2102(3) Intermediate Economics: Macro

ECON-2201(3) Mathematics for Economics and Finance

Year 3: **ECON-4103(3)** Microeconomics

ECON-4104(3) Macroeconomics

ECON-3201(3) Econometrics for Economics and Finance.

Years 2, 3, or 4: Minimum 12 additional credit hours at or above the 2000 level in Economics courses; minimum 24 credit hours of 4000-level Economics courses.

All 4000-level courses are Honours courses that provide the opportunity for more intensive study in a seminar setting of smaller classes while leaving scope for more individual initiative than is sometimes available in the larger, more formal lecture study. Students may be allowed to enter the Honours program after completion of Year 2 of study with approval by the Department Chair.

4000-level courses are offered on a rotating basis.

Students may not hold credit for both **MATH-1101(6)** Introduction to Calculus or the equivalent **MATH-1103 (3)** Introduction to Calculus I AND **MATH-1104 (3)** Introduction to Calculus II AND **MATH-1102(3)** Basic Calculus (Terminal).

Double Honours programs will be arranged in conjunction with the other Department involved.

Additional Information:

Students must meet Departmental prerequisites unless these are waived by the Chair of the Department concerned.

Students are encouraged to pursue courses in several discipline areas.

Students are advised to consult with the Chair or Faculty Advisor to ensure that they are correctly meeting departmental requirements.

REQUIREMENTS FOR A MINOR IN ECONOMICS

DEGREE: Students must complete a 4-year degree program in order to be eligible to hold the Minor.

RESIDENCE REQUIREMENT

Minor: Minimum 12 credit hours

REQUIRED COURSES

ECON-1102(3) Introduction to Economics: Micro
ECON-1103(3) Introduction to Economics: Macro
ECON-2101(3) Intermediate Economics: Micro
ECON-2102(3) Intermediate Economics: Macro
Additional 6 credit hours at the 2000 or 3000 level

RESTRICTIONS: Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Course Selection

Students are advised to confirm Departmental offerings before planning their curriculum as certain courses may not be available in each term. Students are advised to ensure that currently listed courses do not duplicate material studied previously under different course numbers.

4000-Level Courses: Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses).

Permission of the department is required for each 4000-level course.

COURSE LISTINGS

Courses are listed in numerical sequence; course descriptions follow by Area of Study.

Students are advised to consult the appropriate Timetable available from the Records Office for courses to be offered during the current term.

ECON-1102(3)	Introduction to Economics: Micro	ECON-3304(3)	Economics of Taxation: Theory and Policy
ECON-1103(3)	Introduction to Economics: Macro	ECON-3305(3)	Economic Development
ECON-1104(3)	Introduction to Economic Theory	ECON-3306(3)	International Aspects of Economic Development
ECON-1106(3)	Introduction to Economic Development	ECON-3307(3)	Industrial Organization and Competition Policy
ECON-1201(3)	Quantitative Methods for Economics and Business	ECON-3308(3)	Regulation and Public Enterprises
ECON-2101(3)	Intermediate Economics: Micro	ECON-3310(3)	Economics of Health Care in Canada
ECON-2102(3)	Intermediate Economics: Macro	ECON-3311(3)	Government Policy Towards Business
ECON-2201(3)	Mathematics for Economics and Finance	ECON-3315(3)	Urban Economics and Real Estate Markets
ECON-2301(3)	Financial Markets and Financial Systems	ECON-3316(3)	Cost-Benefit Analysis and Project Evaluation
ECON-2302(3)	Money and Banking	ECON-3317(3)	Economic Development in the Asia Pacific Region
ECON-2303(3)	Labour Economics	ECON-3319(3)	Managerial Economics
ECON-2304(3)	Income Distribution and Industrial Relations	ECON/BUS-3320(3)	Managerial Finance
ECON-2305(3)	Canadian Economic History	ECON-3321(3)	History of Economic Thought I
ECON-2306(3)	Canadian Economic Development	ECON-3322(3)	History of Economic Thought II
ECON-2311(3)	Economics of Natural Resource Extraction	ECON-3819(3)	Advanced Corporate Finance
ECON-2317(3)	Environmental Economics	ECON-4103(3)	Microeconomics
ECON-2318(3)	Energy Economics	ECON-4104(3)	Macroeconomics
ECON/BUS-2819(3)	Corporate Finance I	ECON-4105(3)	Advanced Microeconomics
ECON/BUS-2820(3)	Corporate Finance II	ECON-4106(3)	Advanced Macroeconomics
ECON-3104(3)	Modern Microeconomics for Economics and Business	ECON-4201(3)	Econometrics
ECON-3115(3)	Gender and the Economy	ECON-4203(3)	Topics in Mathematical Economics
ECON-3120(3)	Microfinance in Theory and Practice	ECON-4303(3)	Topics in Applied Economics
ECON-3201(3)	Econometrics for Economics and Finance	ECON-4306(3)	Topics in Economic Development
ECON-3301(3)	International Trade: Theory and Policy	ECON-4307(3)	Topics in Macroeconomics Theory and Policy
ECON-3302(3)	International Finance: Theory and Policy	ECON-4310(3)	Topics in International Economics
ECON-3303(3)	Economics of Public Expenditures: Theory and Policy	ECON-4311(3)	Topics in the History of Thought: Keynes

ECON-4313(3) Topics in Industrial Organization and Competition Policy
 ECON-4314(3) Topics in Public Economics
 ECON-4316(3) Topics in Regulation and Public Enterprises
 ECON-4317(3) Topics in Environmental and Natural Resource Economics

ECON-4318(3) Topics in Labour Economics
 ECON-4411(3) Advanced Reading Course in Economics
 ECON-4412(3) Advanced Reading Course in Economics
 ECON/BUS-4800(3) Investments
 ECON/BUS-4801(3) Options, Futures & Derivatives

COURSE DESCRIPTIONS

ECON-1102(3) INTRODUCTION TO ECONOMICS: MICRO (Le3)

This is an introductory analysis of contemporary economic institutions and the application of micro-economic theory to current Canadian economic problems. The course will consider economic theories of production, consumption and exchange, price determination and the role of competition.

RESTRICTIONS: Students may not hold credit in this course and either ECON-1104(3) or ECON-1106(3).

ECON-1103(3) INTRODUCTION TO ECONOMICS: MACRO (Le3)

This is an introductory analysis of contemporary economic institutions and the application of macro-economic theory to current Canadian economic problems. The course will consider economic theories of the determination of national income, governmental monetary and fiscal policy, the role of money and the banking system, international trade and the determination of foreign exchange rates.

RESTRICTIONS: Students may not hold credit in this course and either ECON-1104(3) or ECON-1106(3).

ECON-1104(3) INTRODUCTION TO ECONOMIC THEORY (Le3)

This course provides an introduction to the principles of micro- and macro-economic theory. It is designed for students in the Environmental/Urban Studies programs. It may also be of interest to students majoring in other programs seeking an overview of economic theory. The course may serve as a prerequisite for all second year courses in Economics, with the exception of ECON-2101(3) and ECON-2102(3) if a minimum grade of C is achieved; students require a minimum grade of B for admission to ECON-2101(3) and ECON-2102(3). This course is not intended for Economics majors.

RESTRICTIONS: Students may not hold credit in this course and any other 1000 level course in Economics.

ECON-1106(3) INTRODUCTION TO ECONOMIC DEVELOPMENT (Le3)

This course provides an introduction to economic theory, while simultaneously emphasizing how such theory improves the understanding of issues facing developing countries. Both branches of economics (microeconomics and macroeconomics) are covered. Issues typically discussed include economic inequality, environmental economics, economic growth, financial crisis and international trade. The course may serve as a prerequisite for all second year courses in Economics, with the exception of ECON-2101(3) and ECON-2102(3) if a minimum grade of C is achieved; students require a minimum grade of B for admission to ECON-2101(3) and ECON-2102(3). This course is not intended for Economics majors.

RESTRICTIONS: Students may not hold credit in this course and any other 1000 level course in Economics.

ECON-1201(3) Quantitative Methods for Economics and Business (Le3, La1)

This course presents a number of models from economics and finance using elementary quantitative techniques. It is designed to be a methods course that allows students from a variety of backgrounds to work with economic and finance models. The course also

provides an overview of the quantitative background required for selected second and third year courses in Economics. It may be taken as a co-requisite for ECON-1102(3) and ECON-1103(3) for students interested in a mathematical review. This course is not recommended for students pursuing a BA (Hons) degree in Economics.

PREREQUISITES: Pre-calculus 40S or Applied Mathematics 40S or permission of instructor

ECON-2101(3) INTERMEDIATE ECONOMICS: MICRO (Le3)

This course provides a more advanced analysis of microeconomic concepts developed in first year. It examines the price system, allocation of resources, and the impact of alternative market structures on consumer and producer behaviour.

PREREQUISITES: A minimum grade of C in ECON-1102(3) or a minimum grade of B in either ECON-1104(3) or ECON-1106(3).

ECON-2102(3) INTERMEDIATE ECONOMICS: MACRO (Le3)

This course introduces students to a more advanced analysis of macroeconomic concepts developed in first year. It examines subjects such as national income determination, theories of consumption, employment, interest, and money. Business cycles, inflation, and economic growth will be discussed in a Canadian context.

PREREQUISITES: A minimum grade of C in ECON-1103(3) or a minimum grade of B in either ECON-1104(3) or ECON-1106(3).

ECON-2201(3) MATHEMATICS FOR ECONOMICS AND FINANCE (Le3, La1)

This course introduces and applies basic mathematical tools used in the analysis of economic and financial problems. It is designed as a technical bridge between intermediate and honours level theory courses. Topics such as derivatives, comparative statistics, economic models, and mathematical concepts used in finance will be presented within the context of economic and financial analysis.

PREREQUISITES: MATH-1102(3), or MATH-1103(3) or ECON-1201(3); and a minimum grade of C in ECON-1102(3) and ECON-1103(3), ECON-1104(3) or ECON-1106(6).

ECON-2301(3) FINANCIAL MARKETS AND FINANCIAL SYSTEMS (Le3, La1)

This course will focus on the role of money and financial institutions in the operations of a market economy. It will involve an analysis of the payments system, types of financial instruments, and differences in financial intermediaries.

PREREQUISITES: A minimum grade of C in ECON-1102(3) and ECON-1103(3), or in ECON-1104(3) or in ECON-1106(3).

ECON-2302(3) MONEY AND BANKING (Le3, La1)

This course begins with a discussion of the quantity theory of money and the mechanics of monetary control. It is followed by an analysis of the determinants of money demand and the role of monetary policy within the framework of the Canadian financial system.

PREREQUISITES: A minimum grade of C in ECON-1102 (3) and ECON-1103 (3) or in ECON-1104 (3) or in ECON-1106 (3).

RESTRICTIONS: Students may not hold credit in this course and in the former ECON-2310(6).

ECON-2303(3) LABOUR ECONOMICS (Le3) This course examines competing theories of wage and employment determination. The simple neo-classical model, human capital theory, institutional and post-Keynesian approaches are considered with respect to Canada including the organization of the trade union movement, the role of collective bargaining, and the current issues such as technological change and industrial health and safety.

PREREQUISITES: A minimum grade of C in ECON-1103(3), ECON-1104(3) or ECON-1106(3).

ECON-2304(3) INCOME DISTRIBUTION AND INDUSTRIAL RELATIONS (Le3)

This course studies theoretical models of income in Canada including the organization of the trade union movement, the role of collective bargaining, and current issues such as technological change and industrial health and safety.

PREREQUISITES: A minimum grade of C in ECON-1102(3) and ECON-1103(3), ECON-1104(3) or ECON-1106(3).

ECON-2305(3) CANADIAN ECONOMIC HISTORY (Le3)

This course surveys the development of the Canadian economy prior to 1867. Main topics will include early staple exports, agriculture, and industrialization.

PREREQUISITES: A minimum grade of C in ECON-1102(3) and ECON-1103(3), ECON-1104(3) or ECON-1106(3).

ECON-2306(3) CANADIAN ECONOMIC DEVELOPMENT (Le3)

This course examines the growth of the Canadian economy since 1867. The "National Policy" of the 19th Century, the development of the Prairie economy, the Great Depression, and the growing influence of the United States are considered.

PREREQUISITES: A minimum grade of C in ECON-1102(3) and ECON-1103(3), ECON-1104(3) or ECON-1106(3).

ECON-2311(3) ECONOMICS OF NATURAL RESOURCE EXTRACTION (Le3)

The course examines economic models of resource extraction and harvesting through time. Renewable and non-renewable natural resources such as forestry, fisheries, and fossil fuels are considered. An economic perspective of sustainability is introduced.

PREREQUISITES: A minimum grade of C in ECON-1102 (3) and ECON-1103 (3),ECON-1104 (3) or ECON-1106 (3).

ECON-2317(3) ENVIRONMENTAL ECONOMICS (Le3)

This course examines the role of economics in decision-making about the environment. Topics covered include the theory of externalities and public goods; market and non-market valuation of environmental amenities; and the regulation of polluting activities using instruments such as pollution taxes, tradable permits (cap and trade), and eco-labels.

PREREQUISITES: A minimum grade of C in ECON-1102(3) and ECON-1103(3), ECON-1104(3) or ECON-1106(3).

ECON-2318(3) ENERGY ECONOMICS (Le3) This course will introduce the student to the issues and policies pertaining to energy markets from an economic perspective. Environmental, technical, social, and financial issues will be considered. A case study for the demand for transportation energy will be used as a unifying theme throughout the course.

PREREQUISITES: A minimum grade of C in ECON-1102(3) and ECON-1103(3), or ECON-1104(3) or ECON-1106(3).

ECON-2819(3) CORPORATE FINANCE I (Le3, La1) This course introduces students to the fundamentals of finance and presents theories and tools to be used in addressing corporate finance problems and issues. The course examines the theories and principles of financial management that relate to the practices used by corporations in the procurement, management and disbursement of capital funds. Topics include methods of capital acquisition and valuation of capital and financial assets. Students who have already completed STAT-1201(6) or STAT-1501(3) should inform registration staff that they have standing in the corequisite course.

PREREQUISITES: ECON-1102 (3) and ECON-1103 (3) with a minimum grade of C or BUS-2002 (3) with a minimum grade of C+.

RESTRICTIONS: Students may not hold credit in this course and the former ECON-3320 (6), ECON-2319(6), BUS-2319(6) or BUS-3620 (6).

COREQUISITES: STAT-1201(6) or STAT-1501(3)

CROSS-LISTED: Business and Administration BUS-2819(3)

ECON-2820(3) CORPORATE FINANCE II (Le3, La1) This course builds on the fundamentals introduced in ECON-2819 (3) and discusses theories and tools used for evaluating risks and returns associated with financial assets. There is an intensive study of economic theories and principles of financial management. Topics include Capital Asset Pricing Model (CAPM), market efficiency, and management of working capital.

PREREQUISITES: ECON-2819 (3) or BUS-2819 (3)

RESTRICTIONS: Students may not hold credit in this course and the former ECON-3320 (6), ECON-2319(6), BUS-2319(6) or BUS-3620 (6).

CROSS-LISTED: Business and Administration BUS-2820(3)

ECON-3104(3) MODERN MICROECONOMICS FOR ECONOMICS AND BUSINESS (Le3)

This course presents the concepts and theories that form the basis of modern microeconomic analysis. Market imperfections arising due to issues such as uncertainty, informational asymmetry and imperfect competition are analyzed, and their welfare implications are studied. Game theory is introduced as an analytical tool. Applications may include auctions and markets for insurance and used goods.

PREREQUISITES: ECON-2101(3).

RESTRICTIONS: Students may not hold credit in this course and ECON-3319 (6)

ECON-3115(3) GENDER AND THE ECONOMY (Le3) This course explores the gender dimensions of economic life from both neoclassical and feminist economics perspectives.

Topics explored include gendered divisions of labour within the family; gender inequality in the labour market; unpaid domestic labour and work-family balance; the intersection of ability, class, race, and sexuality in social reproduction; gender differences in management; and the gender impact of technological change and globalization. Examples are drawn from both developed and developing countries. Particular attention is paid to policy remedies for gender inequality in the economy.

PREREQUISITES: ECON-1102(3) or ECON-1104(3) or ECON-1106(3) or permission of the instructor.

ECON-3120(3) MICROFINANCE IN THEORY AND PRACTICE (Le3)

This course provides an overview of the economics of microfinance, a development strategy that provides credit, savings, and insurance for individuals and families that are unable to access funds from formal financial institutions. Drawing on readings from practitioners and academics, it examines the strengths and limitations of microfinance as an approach to poverty reduction. Students are introduced to a number of sub-disciplines of Economics,

including development economics, financial economics, feminist economics, and institutional economics.

PREREQUISITES: ECON-1102(3) and Econ-1103(3), or ECON-1104(3) (with a minimum grade of C), or ECON-1106(3) (with a minimum grade of C).

ECON-3201(3) ECONOMETRICS FOR ECONOMICS AND FINANCE (Le3, La1)

This course is an introduction to the specification and estimation of econometric models as applied to empirical questions in economics and finance. It covers statistical inference in economics and finance, hypothesis testing, regression analysis, and multivariate regression models with emphasis on structural estimation using standard computer packages.

PREREQUISITES: : ECON-2101(3), ECON-2102(3), and either STAT-1501(3) or STAT-1201(6), or permission of the Chair of the Department.

ECON-3301(3) INTERNATIONAL TRADE: THEORY AND POLICY (Le3)

This course examines theories of international trade. It deals with approaches to the benefits of trade, the effects of tariffs and quotas, customs unions and imperfect competition on trade. It pays particular attention to Canadian trade policies.

PREREQUISITES: ECON-2101(3) or permission of the instructor.

ECON-3302(3) INTERNATIONAL FINANCE: THEORY AND POLICY (Le3)

This course is an introduction to international finance and open-economy macroeconomics. It examines exchange rate policy, the fiscal and monetary effects of trade, investment flows, and the development of the international monetary system.

PREREQUISITES: ECON-2101(3) and ECON-2102(3) or permission of the instructor.

ECON-3303(3) ECONOMICS OF PUBLIC EXPENDITURES: THEORY AND POLICY (Le3)

This course examines the rationale of the public sector and its development and growth in Canada. It deals with the theoretical and practical aspects of public decision-making. The budgeting process relating to allocation, redistribution, and stabilization will be examined.

PREREQUISITES: ECON-2101(3).

ECON-3304(3) ECONOMICS OF TAXATION: THEORY AND POLICY (Le3)

This course analyzes the theory of taxation and the Canadian tax structure. It also deals with the role of alternative tax policies in attaining various economic and social goals including allocation, redistribution, and stabilization.

PREREQUISITES: ECON-2101(3).

ECON-3305(3) ECONOMIC DEVELOPMENT (Le3)

This course will examine problems and theories of internal development, as well as policies to accelerate change. It will deal with such topics as poverty, income distribution, human capital, employment, growth, rural-urban migration, population growth, and rural development.

PREREQUISITE: ECON-2101(3) or permission of the instructor.

ECON-3306(3) INTERNATIONAL ASPECTS OF ECONOMIC DEVELOPMENT (Le3)

This course will examine problems and theories of international development, as well as policies to accelerate change. It will deal with such topics as international trade and investment, foreign aid, third world debt, the role of the international financial institutions and multinational corporations, and the new international division of labour.

PREREQUISITE: ECON-2101(3).

ECON-3307(3) INDUSTRIAL ORGANIZATION AND COMPETITION POLICY (Le3)

Industrial Organization is the field in economics that examines the effectiveness of competition in markets that are less than perfectly competitive. This course examines models of monopolies and oligopolies with particular emphasis on the strategic issues related to imperfectly competitive markets. In addition, a number of business practices are examined in relation to their contribution to overall welfare in the economy. This course also involves a presentation and analysis of how current industrial organization theory and policy is reflected in Canada's Competition Act.

PREREQUISITE: ECON-2101(3).

RESTRICTIONS: Students may not hold credit in this course and in the former ECON-3309(6).

ECON-3308(3) REGULATION AND PUBLIC ENTERPRISES (Le3)

This course examines the theory and policy related to the regulation of markets. It examines how regulations might be set to improve the allocation and distribution of resources in the economy. In the course, the effectiveness of a number of regulations is examined. The course also examines the role and operation of public enterprises in the economy as an alternative to regulation. In addition; a brief introduction to the economics of Private Public Partnerships is presented.

PREREQUISITES: ECON-2101(3).

ECON-3310(3) ECONOMICS OF HEALTH CARE IN CANADA (Le3)

This course will apply economic analysis to current issues in the delivery system for health care services in Canada. It will deal with such topics as the structure of the health care industry; economic costs of diseases, disability and premature death; pricing problems and social returns from public investment; incomes of health care practitioners; economic efficiency in the health care industry; benefit-cost analysis of various health care programs.

PREREQUISITES: ECON-2101(3).

ECON-3311(3) GOVERNMENT POLICY TOWARDS BUSINESS (Le3)

This is a survey course that examines the way in which major areas of government economic policy can affect business. Policy areas outlined are international trade policy, competition policy, environmental management policies, public enterprises, and economic regulation. The emphasis is on the economic and social arguments underlying these major areas of government economic policy, but both normative and positive analysis of each particular public policy area are discussed.

PREREQUISITES: ECON-1102(3) and ECON-1103(3), or ECON-1104(3) (with a minimum grade of C), or ECON-1106(3) (with a minimum grade of C).

ECON-3315(3) URBAN ECONOMICS AND REAL ESTATE MARKETS (Le3)

This course uses economic analysis in order to understand the problem of urban growth and decay. Among the issues addressed are the location decisions of firms, the location patterns of households and firms within cities, suburbanization, agglomeration economies, and the origin and economic functions of cities. An in-depth analysis of housing and real estate markets is also presented. Relevant Canadian case studies are used to illustrate the issues.

PREREQUISITES: ECON-2101(3)

ECON-3316(3) COST-BENEFIT ANALYSIS AND PROJECT EVALUATION (Le3)

The techniques of benefit-cost analysis and program evaluation are developed from the perspectives of economics with reference to natural resource economics and public expenditure analysis. Case studies will be used to examine the techniques.

PREREQUISITES: ECON-2101(3) or permission of the instructor.

ECON-3317(3) ECONOMIC DEVELOPMENT IN THE ASIA PACIFIC REGION (Le3)

This course is an introduction to the economic development of selected Asian Pacific countries, such as Japan, China, South Korea, and Phillipines.

PREREQUISITE: ECON-2101(3) or permission of the instructor.

ECON-3319(3) MANAGERIAL ECONOMICS (Le3) A study of the application of economic theory to the decision-making problems of managers in private and public institutions; the objectives of business organizations; economic and non-economic concepts of competition; costs and profits; demand and product pricing; capital budgeting.

PREREQUISITES: ECON-2101(3).

RESTRICTIONS: Students may not hold credit in ECON-3319 (3) and ECON-3319 (6) Managerial Economics.

ECON-3320(3) MANAGERIAL FINANCE (Le3) This course presents an intensive study of the economic theories and principles of financial management essential for the growth of business firms and hence the growth of the Canadian economy. It will relate financial theory to financial management within a Canadian context.

PREREQUISITES: ECON-2101(3).

RESTRICTIONS: Students may not hold credit in ECON-3320 (3) and ECON-3320 (6)

CROSS-LISTED: Business and Administration BUS-3320(3)

ECON-3321(3) HISTORY OF ECONOMIC THOUGHT I (Le3)

This course examines the development of political economy from ancient times until 1870 with emphasis on Classical Political Economy. Adam Smith, David Ricardo, Karl Marx, and John Stuart Mill will be read in the context of the criticism of their contemporaries.

PREREQUISITES: ECON-2101(3) and ECON-2102(3) or permission of instructor.

ECON-3322(3) HISTORY OF ECONOMIC THOUGHT II (Le3)

This course examines the first and second generations of neoclassical writers (1870-1936) in the context of the criticism of their contemporaries. The focus will be on Walras, Jevons, Marshall, Edgeworth, Pigou, and J.B. and J.M. Clark. The emphasis is on the historical and philosophical dimensions of their work.

PREREQUISITES: ECON-2101(3) and ECON-2102(3) or permission of the instructor.

ECON-3819(3) ADVANCED CORPORATE FINANCE (Le3)

This advanced finance course adds to the technical skill and conceptual understanding of accounting and corporate finance developed in previous courses. It provides an in-depth study of issues and tools that financial managers use in making decisions. Topics include capital budgeting under uncertainty; advanced cash flow analysis; long term sources of funds; capital structure; dividend policy; special financing and investment decisions; timing decisions; futures, forwards, options and swaps; treasury risk management; and financial planning.

PREREQUISITES: A minimum of C+ in either ECON-2820 (3) or BUS-2820 (3).

CROSS-LISTED: Business and Administration BUS-3819(3)

ECON-4103(3) MICROECONOMICS (Le3) This course provides students with an intensive review of the major principles and techniques of microeconomic analysis. It also deals with the determination of prices and the role of the pricing system as the mechanism by which individual and social decisions are made.

PREREQUISITES: ECON-2101(3) and ECON-2201(3) with a minimum grade of C+ in both courses

ECON-4104(3) MACROECONOMICS (Le3) This course emphasizes macroeconomics concepts concerning the measurement and determination of national income, and the application of macroeconomic policy tools to the Canadian economy.

PREREQUISITES: ECON-2102(3) and ECON-2201(3) with a minimum grade of C+ in both courses

ECON-4105(3) ADVANCED MICROECONOMICS (Le3)

This course provides an introduction to a number of topics in modern microeconomic theory. Modern microeconomic theory stresses the influence of asymmetric information, uncertainty and strategic behaviour on the operation and performance of markets. Topics that may be addressed include the following: choice under uncertainty, expected utility theory, the insurance decision (including moral hazard and adverse selection), signaling models, and game theory. The course is primarily designed for students wishing to pursue graduate work in Economics or Finance.

PREREQUISITE: ECON-4103(3) and permission of the instructor.

ECON-4106(3) ADVANCED MACROECONOMICS (Le3)

This course entails advanced analysis of macroeconomic theories of aggregate consumption, investment demand, economic growth, and employment behaviour. A study of empirical works related to Canadian experience will be emphasized.

PREREQUISITE: ECON-4104(3).

ECON-4201(3) ECONOMETRICS (Le3, La1)

This course considers standard econometric problems including multicollinearity, serial correlation, and heteroscedasticity. Autoregression and simultaneous equations models will also be introduced. One hour lab instruction is included.

PREREQUISITE: ECON-3201(3).

ECON-4203(3) TOPICS IN MATHEMATICAL ECONOMICS (Le3)

The course introduces advanced mathematical methods for formulating and analyzing economic theories and problems. Topics such as difference and differential equations, dynamic optimization, and game theory are presented with economic applications.

PREREQUISITE: ECON-4103(3).

ECON-4303(3) TOPICS IN APPLIED ECONOMICS (Le3)

This course examines issues in a selected area of economics. Possible areas include labour, health and development economics. The choice of topic depends on the instructor. The emphasis is on using empirical methods. Appropriate econometric techniques for addressing issues of endogeneity, selection bias, and unobserved heterogeneity may be covered. Students may repeat this course for credit, provided the topic varies.

PREREQUISITE: ECON-3201(3) and permission of instructor.

ECON-4306(3) TOPICS IN ECONOMIC DEVELOPMENT (Le3)

Interest in the topic of economic development has enjoyed resurgence in academic circles given the emergence of "new growth theory" and endogenous models of economic growth. These models place greater emphasis upon human capital accumulation, innovation, and growth. Concurrently, the rise of southeast Asian economies has challenged conventional views about how the West grew rich or, more recently, why Latin America did not. This course is designed to examine the new growth theory literature in the context of recent historical changes in the world economy.

PREREQUISITES: ECON-2101(3) and ECON-2102(3) with a minimum grade of C+ in both courses.

ECON-4307(3) TOPICS IN MACROECONOMIC THEORY AND POLICY (Le3) This course provides students with an opportunity to build on the macroeconomics background developed in Honours Macroeconomics (ECON-4104 (3)). The course considers macroeconomic problems and techniques for solving them, highlighting the use of dynamic models and their implications for policy. An emphasis is placed on the importance of political economy considerations in macroeconomics. Issues covered in any given year may include the interplay between demographics and fiscal policy, the determinants of policy related to technology adoption, and therefore economic growth, income redistribution, or the determination of monetary policy.

PREREQUISITES: ECON-4104(3)

ECON-4310(3) TOPICS IN INTERNATIONAL ECONOMICS (Le3) This course examines theoretical and applied topics related to international trade or international finance. Topics related to international trade may include a discussion of the benefits of trade, the effects of tariffs and quotas, customs unions and imperfect competition on trade. Topics related to international finance may include an examination of exchange rate policy, the fiscal and monetary effects of trade investment flows, and the development of the international monetary system.

PREREQUISITES: ECON-2101(3) and ECON-2102(3) or permission of instructor.

ECON-4311(3) TOPICS IN THE HISTORY OF THOUGHT: KEYNES (Le3) The economic and philosophical writings of Keynes and the "Cambridge Circus" are examined in the historical and social context of the times.

PREREQUISITES: ECON-2101(3) and ECON-2102(3) with a minimum grade of C+ in both courses.

ECON-4313(3) TOPICS IN INDUSTRIAL ORGANIZATION AND COMPETITION POLICY (Le3) This course examines areas of research in modern industrial organization theory and competition policy. Industrial Organization is the field in economics that examines the effectiveness of competition in markets that are less than perfectly competitive. Among the topics addressed are models of imperfect competition, game theory and competition in a spatial framework. Business practices such as resale price maintenance, exclusive dealing, and tied selling are examined in the context of industrial organization theory and policy. In addition, the course examines how current research in industrial organization is reflected in Canada's Competition Act.

PREREQUISITE: ECON-2101(3) and ECON-2201(3) with minimum grade of C+ in both courses.

ECON-4314(3) TOPICS IN PUBLIC ECONOMICS (Le3) The course will deal with the theory of taxation and public expenditures within the context of first-best and second-best analysis. The theories of production, consumption, and other externalities will be discussed. Other topics include the theory and practice of cost-benefit analysis and fiscal federalism. The economic analysis of collective decision-making in a non-market context will be examined.

PREREQUISITE: ECON-2101(3) and ECON-2201(3) with a minimum grade of C+ in both courses.

ECON-4316(3) TOPICS IN REGULATION AND PUBLIC ENTERPRISES (Le3) Regulation and public enterprises are two instruments used by governments to govern the allocation of resources in certain markets. Among the regulatory topics addressed are theories of regulation, cost of service regulation, rate of return regulation and price cap regulation. Reference is made to regulations in a number of industries, such as the energy, telecommunications and transportation industry. In addition, the role of Public

Enterprises as an alternative approach to the allocation and distribution of resources is discussed.

PREREQUISITE: ECON-2101(3) and ECON-2201(3), with a minimum grade of C+ in both courses.

ECON-4317(3) TOPICS IN ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS (Le3) This course presents selected issues in environmental and resource economics at an advanced level. Topics such as the theory of environmental policy, international aspects of environmental problems, monitoring and enforcement of environmental regulations, and efficient versus sustainable utilization of natural resources are examined.

PREREQUISITES: ECON-2101(3) and ECON-2201(3) with a minimum grade of C+ in both courses.

ECON-4318(3) TOPICS IN LABOUR ECONOMICS (Le3)

Several new economic approaches have led to important insights into the nature of the labour market. Becker's new household economics provides a provocative interpretation of the family; principal-agent theory offers novel explanations of the organization of labour within the firm; and implicit contract theory challenges conventional views of employer/employee relationships. This course examines in depth one or two selected topics in labour economics.

PREREQUISITES: ECON-2101(3) and ECON-2201(3) with a minimum grade of C+ in both courses.

RESTRICTIONS: Students may not hold credit in this course and ECON-4303 Topics in Applied Economics if the topic covered was Topics in Applied Economics-Labour

ECON-4411(3) ADVANCED READING COURSE IN ECONOMICS (D) A program of reading, research, and consultation for senior students, to be arranged by the instructor and the student.

PREREQUISITES: Permission of the instructor and written approval from the Chair of the Department.

ECON-4412(3) ADVANCED READING COURSE IN ECONOMICS (D) A program of reading, research, and consultation for senior students, to be arranged by the instructor and the student.

PREREQUISITES: Permission of instructor and written approval from the Chair of the Department.

ECON-4800(3) INVESTMENTS (Le3) This course introduces students to the main financial instruments that are used in the investment industry, including a detailed description of financial instruments and how they are traded in financial markets. A brief review of portfolio theory is presented including a discussion of a number of key models of modern finance, including the Capital Asset Pricing Model and the Arbitrage Pricing Theory. The course also includes a detailed examination of the role and operation of fixed-income securities and equities. The course concludes with a discussion of the role and techniques of passive versus active portfolio management. This course is intended for students in the EFIN program.

PREREQUISITES: ECON-2820 (3) (or the former ECON-2319 (6)), BUS-2820(3) (or the former BUS-2319(6)), STAT-1201(6) and ONE of MATH-1101 (6) or MATH-1102 (3) or MATH-1103 (3).

CROSS-LISTED: Business and Administration BUS-4800(3)

ECON-4801(3) OPTIONS, FUTURES & DERIVATIVES (Le3) This course is designed to provide an in-depth analysis of a number of topics in modern finance theory and applications. The main areas that are examined include Futures Markets, Option Markets and Derivatives. These financial instruments play a key role in the management of risk by firms, and have attracted increasing interest from private sector firms and the larger community. The role of

these instruments in the financial markets and their effect on the financial system is examined in detail. This course is intended for students in the EFIN program.

PREREQUISITES: ECON-2820 (3) (or the former ECON-2319 (6)), BUS-2820(3) (or the former BUS-2319(6)), STAT-1201(6) and ONE of MATH-1101 (6) or MATH-1102 (3) or MATH-1103 (3).

CROSS-LISTED: Business and Administration BUS-4801(3)

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

No experimental courses are offered at this time.

ECONOMICS AND FINANCE (EFIN)

Coordinator: P. Cyrenne; Program Advisors: P. Cyrenne, K. Harlos

Updated July 10, 2013

DEGREES/PROGRAMS OFFERED

4-Year BA

4-Year BBA

INTRODUCTION

The field of finance has its roots in the discipline of economics and business. This program will provide students with the conceptual tools to understand a number of issues from modern finance theory and applications. The program will provide students with a solid understanding of the operation of capital markets and capital market instruments, including equities, fixed income securities, as well as futures markets, options and other derivatives. The program will provide students with an in-depth understanding of topics in modern finance and financial economics as it relates to the capital structure of firms and how these financial instruments affect the overall operation of modern financial systems.

NOTE ON DEPARTMENT COURSE ADMISSION REQUIREMENTS

Economics and Finance (EFIN) students are expected to meet course requirements specified by the department offering the courses. Please note that program courses may have somewhat different requirements for registration in certain courses. For example Economics requires academic advising and approval from the Honours Advisor to register for 4000-level courses.

NOTE: Course Listings and Descriptions can be found under the appropriate Departmental Listings: Applied Computer Studies (ACS), Business and Administration (BUS), Economics (ECON), International Development Studies (IDS), Mathematics (MATH), Philosophy (PHIL), Politics (POL) and Statistics (STAT)

Students are advised to confirm Departmental offerings before planning their curriculum, as certain courses may not be available in each term. Students are advised to ensure that currently listed courses do not duplicate material studied previously under different course numbers.

REQUIREMENTS FOR THE 4-YEAR BA IN ECONOMICS AND FINANCE

ADMISSION REQUIREMENT Students must consult with the Program Coordinator or Program advisor in planning their course of study.
Minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Sciences: 6 credit hours in Science
Social Sciences: 12 credit hours in Social Sciences
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level.
Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

REQUIRED COURSES

Required Courses Economics (15 Credit Hours)

ECON-1102 (3) Introduction to Economics: Micro
ECON-1103 (3) Introduction to Economics: Macro
ECON-2101 (3) Intermediate Economics: Micro
ECON-2102 (3) Intermediate Economics: Macro
ECON-3201 (3) Econometrics for Economics and Finance

Required Courses Business (15 Credit Hours)

BUS-1201 (3) Introduction to Business I
BUS-1202 (3) Introduction to Business II
BUS-2002 (3) Fundamentals of Financial Accounting
BUS-2210 (3) Fundamentals of Marketing
BUS-2501 (3) Fundamentals of Production and Operational Management

Required Cross-Listed Courses in Finance (15 Credit Hours)

ECON/ BUS-2819 (3) Corporate Finance I
 ECON/ BUS-2820 (3) Corporate Finance II
 ECON/ BUS-3819 (3) Advanced Corporate Finance
 ECON/ BUS-4800 (3) Investments
 ECON/ BUS-4801 (3) Options, Futures and Derivatives

Required Courses Quantitative Methods (15 Credit Hours)

(i) 6 Credit Hours in Statistics: STAT-1301(3) Statistical Analysis I and STAT-1302(3) Statistical Analysis II or the equivalent.
 (ii) 6 Credit Hours in Mathematics: MATH-1103 (3) Introduction to Calculus I or MATH-1102 (3) Basic Calculus (Terminal) or ECON-1201(3) Quantitative Methods for Economics and Business AND ECON-2201(3) Mathematics for Economics and Finance.
 (iii) 3 additional credit hours: ACS-1803 (3) Introduction to Information Systems or an alternative 3 credit hours in MATH, STAT or ACS

Additional Required courses Economics (choose 15 credit hours from the following):

ECON-2301 (3) Introduction to the Theory of Financial Systems
 ECON-2302 (3) Introduction to Monetary Economics and Banking
 ECON-3104 (3) Modern Microeconomics for Economics and Business
 ECON-3319 (3) Managerial Economics
 ECON/BUS-3320 (3) Managerial Finance
 ECON-3302 (3) International Finance: Theory and Policy
 ECON-3303 (3) Economics of Public Expenditures: Theory and Policy
 ECON-3304 (3) Economics of Taxation: Theory and Policy
 ECON-3311(3) Government Policy Towards Business
 (Check with Program Advisor for additional Economics courses satisfying this requirement.)

Corporate Social Responsibility Requirement (choose 3 credit hours from the following):

BUS-3110 (3) Ethics in Management
 BUS 3255 (3) Social Enterprise: From Theory to Practice
 PHIL-2233 (3) Environmental Ethics
 PHIL-2201 (6) Moral Philosophy
 IDS-3101 (3) Development Ethics

Suggested Elective courses:

BUS-2103 (3) Fundamentals of Organizational Behaviour
 BUS-2003 (3) Managerial Accounting
 POL-2320 (3) Government-Business Relations in Canada

REQUIREMENTS FOR THE 4-YEAR BBA IN ECONOMICS AND FINANCE

ADMISSION REQUIREMENT Students must consult with the Program Coordinator or Program advisor in planning their course of study.
 Minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
 Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
 Sciences: 6 credit hours in Science
 Social Sciences: 12 credit hours in Social Sciences
 Writing: Minimum 3 credit hours of Academic Writing.
 Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
 Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

REQUIRED COURSES**Required Courses Business (15 Credit Hours)**

BUS-1201 (3) Introduction to Business I
 BUS-1202 (3) Introduction to Business II
 BUS-2002 (3) Fundamentals of Financial Accounting
 BUS-2210 (3) Fundamentals of Marketing
 BUS-2501 (3) Fundamentals of Production and Operational Management

Required Courses Economics (15 Credit Hours)

ECON-1102 (3) Introduction to Economics: Micro
ECON-1103 (3) Introduction to Economics: Macro
ECON-2101 (3) Intermediate Economics: Micro
ECON-2102 (3) Intermediate Economics: Macro
ECON-3201 (3) Econometrics for Economics and Finance

Required Cross-Listed Courses in Finance (15 Credit Hours)

BUS/ECON -2819 (3) Corporate Finance I
BUS/ECON -2820 (3) Corporate Finance II
BUS/ECON -3819 (3) Advanced Corporate Finance
BUS/ECON -4800 (3) Investments
BUS/ECON -4801 (3) Options, Futures and Derivatives

Required Courses Quantitative Methods (15 Credit Hours)

(i) 6 Credit Hours in Statistics: STAT-1301(3) Statistical Analysis I and STAT-1302(3) Statistical Analysis II or the equivalent.
(ii) 6 Credit Hours In Mathematics: MATH-1103 (3). Introduction to Calculus I or MATH-1102 (3) Basic Calculus (Terminal) or ECON-1201(3) Quantitative Methods in Economics and Business AND ECON-2201(3) Mathematics for Economics and Finance
(ii) 3 additional Credit Hours:ACS-1803 (3) Introduction to Information Systems or an alternative 3 credit hours in MATH, STAT or ACS

Additional Required Courses Business (18 Credit Hours)

Required 12 credit hours:
BUS-2003 (3) Managerial Accounting
BUS-2103 (3) Fundamentals of Organizational Behaviour
BUS-2440 (3) Fundamentals of Human Resource Management
POL-2320 (3) Government-Business Relations in Canada

Corporate Social Responsibility Requirement (choose 3 credit hours from the following):

BUS-3110 (3) Ethics in Management
BUS 3255 (3) Social Enterprise: From Theory to Practice
IDS-3101 (3) Development Ethics
PHIL-2201 (6) Moral Philosophy
PHIL-2233 (3) Environmental Ethics

Integrative Course Requirement: (choose 3 credit hours from the following):

BUS-4220 (3) International Business
BUS-4540 (3) International Marketing
BUS-4901 (3) Business Strategy
BUS-4940 (3) Emerging Markets and Business Practices

Suggested Elective courses:

ECON-2301 (3) Introduction to the Theory of Financial Systems
ECON-2302 (3) Monetary Economics and Banking
ECON-3104 (3) Modern Microeconomics for Economics and Business
ECON-3302 (3) International Finance: Theory and Policy
ECON-3319 (3) Managerial Economics
ECON-3320 (3) Managerial Finance
ECON-3302 (3) International Finance: Theory and Policy
ECON-3303 (3) Economics of Public Expenditures: Theory and Policy
ECON-3304 (3) Economics of Taxation: Theory and Policy
ECON-3311(3) Government Policy Towards Business
(Check with Program advisor for additional elective courses in Economics.)

FACULTY OF EDUCATION (EDUC)

Updated Jan. 31, 2013

Note: The department/program code EDUC replaces the former code 15. Students cannot hold credit in EDUC-xxxx and the former 15.xxxx having the same course number (e.g., EDUC-1801(3) and 15.1801(3)).

Dean: Professor K. McCluskey; Associate Dean: Professor J. Anchan; Professors: A. Mays, E. Polyzoï, L. Sokal, D. Sutherland, C. Taylor; Associate Professors: J. Ameis, P. Betts, D. Copsey-Haydey, S. Klassen, R. Kroeker, K. Magro, D. Metz, B. Rice, S. Skwarchuk, J. Stewart; Assistant Professors: L. Block, N. Hall, M. Young; Instructors: A. Appel, V. Barrett, M. Bergsgaard, Cathrine Froese Klassen, L. Glade, J. Goulet, K. Lamoureux, L. Tucker, A. Wiebe; Director of Program Administration and Advising: M. Tetrault; Academic Advisors: D. Bradley, S. Martin; Director of Student Teaching: Instructor D. Woloshyn; Director of Winnipeg Education Centre and Community-Based Aboriginal Teacher Education Program (WEC, CATEP): Assistant Professor P. Baker; Academic Advisor (WEC, CATEP): K. Dowson.

DEGREES/PROGRAMS OFFERED

Integrated BEd/BA or BSc Program

2-year After-Degree BEd Program

Integrated BEd/BA or BSc Joint UW/RRC Business Teacher Education Program

Integrated BEd/BA or BSc Joint UW/RRC Industrial Arts/Technology Teacher Education Program

Integrated BEd/BA or BSc Joint UW/RRC Aboriginal Language Teacher Education Program

Joint UW/RRC Vocational Teacher Education Program

Post-Baccalaureate Diploma in Education

Master's in Education

INTRODUCTION

The study of Education at the University of Winnipeg blends theoretical knowledge with classroom practice in order to prepare students for a professional teaching career. Students in the Education program take courses from a variety of disciplines such as history, philosophy, biology, sociology and psychology alongside courses that focus on curriculum and pedagogy.

The Education program at the University of Winnipeg is unique for several reasons. First, in addition to the preparation of pre-service teachers leading to provincial certification, the program provides an additional focus on urban inner-city education. Second, early in the program students are provided with the opportunity of working with teachers and children in classrooms. This enables students to begin the transition from university student to professional educator early in their university career. Finally, the program provides considerable opportunities for interested students to participate in community outreach projects and on-going faculty research.

BEd PROGRAMS

I. The Integrated BEd/BA or BSc Program

This program requires students to complete a minimum of 150 credit hours. The Integrated BEd/BA or BSc option makes it possible for students to work towards two degrees at the same time and it allows students who have made an early commitment to teaching to begin their studies within the first two years of their university career.

Normally, students enter the 5-year Integrated Program in the first year of university studies. Provision is made, however, for students who have already completed work towards another Bachelor's degree to transfer into the program.

In the 5-year Integrated Program students choose one of four streams:

EARLY YEARS prepares teachers for grades K-4

EARLY/MIDDLE YEARS prepares teachers for grades K-8

MIDDLE YEARS prepares teachers for grades 5-S1

SENIOR YEARS prepares teachers for grades S1-S4

Students must choose a major teachable area from the following:

Biology, Chemistry, English, French, Geography, German (Early, Early/Middle and Middle Years streams only), History, Kinesiology and Applied Health, Mathematics, Physics, and Theatre and Drama.

Students must also complete a minor teachable area from:

Anthropology, Biology, Chemistry, Classics, Dance, Developmental Studies (Early, Early/Middle and Middle Years streams only), Economics, English, French, Geography, German (Early, Early/Middle and Middle Years streams only), History, Kinesiology and Applied Health (Physical Education), Mathematics, Philosophy, Physics, Politics, Psychology, Sociology, Theatre.

II. The Two-Year After-Degree BEd Program

This two-year (60 credit hour) program is intended for students who already hold an undergraduate degree, which includes sufficient course work in two teachable areas. After-Degree students choose from the Early, Early/Middle, Middle or Senior Years streams. Those interested in teaching at the Senior Years level must have a major teachable area consisting of 30 credit hours, and a minor teachable area consisting of 18 credit hours. Students interested in the Early, Early/Middle or Middle Years streams must have a major teachable area consisting of 18 credit hours, and a minor teachable area consisting of 12 credit hours. In addition, they must have completed a Distribution Requirement consisting of 6 credit hours in English literature or French literature courses (courses in Rhetoric, Writing, and Communications cannot be used toward the English requirement); 6 credit hours in Social Studies (only History and Geography courses can be used to fulfill the Social Studies requirement); 9 credit hours in total of Science and Math (only Biology, Chemistry, or Physics courses can be used toward the Science requirement). Statistics courses cannot be used

to fulfill the Math requirement.) Students must have either 6 credit hours in Science and 3 credit hours in Math, or 3 credit hours in Science and 6 credit hours in Math. Courses used toward the major and/or minor teachable areas can also be used to fulfill the Distribution Requirement. If students do not have 60 credit hours in their first degree which can be applied toward the BEd program, they must complete these requirements prior to applying to the program.

III. The Joint University of Winnipeg / Red River College Bachelor of Education Programs

The University of Winnipeg in conjunction with Red River College offers a five-year Integrated 150 credit hour BEd/BA or BSc degree. Upon completion of the program, graduates will have a major in Business, Industrial Arts/Technology or Aboriginal Language education and a second academic major in a teachable subject area. Students in this program do courses on site at the University of Winnipeg and Red River College in all years of the program.

IV. The Joint University of Winnipeg / Red River College 2-Year or 3-Year After-Degree Program in Business Teacher Education, or the 3-Year After-Degree Program in Industrial Arts/Technology or the 2-Year or 3-Year After-Degree Program in Aboriginal Language

These programs are intended for students who already hold an undergraduate degree.

Business Teacher Education (2-Year or 3-Year After-Degree Programs): Students who have completed a first undergraduate degree with a significant concentration in business courses may be eligible for transfer credits at RRC. These students may be eligible to apply for a 2-year After-Degree program. Students whose first degree does not include a concentration in business courses would normally be eligible for a 3-year After-Degree program. Generally, students admitted to the 2-year After-Degree program will complete 30 credit hours of course work at RRC, and 30 credit hours of course work at UW. Generally, students admitted to the 3-year After-Degree program will complete 60 credit hours of course work at RRC, and 30 credit hours of course work at UW. Students may also be required to complete course work in a teachable minor in addition to the requirements for the BEd degree.

Industrial Arts/Technology Teacher Education (3-Year After-Degree Program): Students who have completed an undergraduate degree may be eligible to apply for a 3-year After-Degree program. Generally, students will complete 60 credit hours of course work at RRC, and 30 credit hours of course work at UW. Students may also be required to complete course work in a teachable minor in addition to the requirements for the BEd degree.

Aboriginal Language Teacher Education (2-Year or 3-Year After-Degree Programs): Students who have completed a first undergraduate degree with a significant concentration in Aboriginal language courses may be eligible for transfer credits at RRC. These students may be eligible to apply for a 2-year After-Degree program. Students whose first degree does not include a concentration in Aboriginal language courses would normally be eligible for a 3-year After-Degree program. Generally, students admitted to the 2-year After-Degree program will complete 30 credit hours of course work at RRC, and 30 credit hours of course work at UW. Generally, students admitted to the 3-year After-Degree program will complete 60 credit hours of course work at RRC, and 30 credit hours of course work at UW. Students may also be required to complete course work in a teachable minor in addition to the requirements for the BEd degree.

V. The Certified Teacher BEd Program

Certified teachers who have completed a minimum of one year of professional training and wish to upgrade their qualifications are eligible for this program. Students normally receive 30 credit hours in transfer credit for the year of teacher training and will be required to complete additional coursework (minimum 30 credit hours) to fulfill the requirements of the BEd/BA or BEd/BSc.

VI. The Joint University of Winnipeg / Red River College Vocational Teacher Education Program

Graduates of the Red River College Vocational Education program who hold a limited teaching certificate may receive up to 90 credit hours towards the 150 credit hour BEd degree requirements.

VII. Winnipeg Education Centre Program (WEC)

The University of Winnipeg offers a 5-year Integrated BEd/BA program for residents of the inner city who are 21 years of age or older by the start of the September session, who are representative of the inner city population, and who are in need of academic, personal, and financial supports in order to pursue a university degree. Coursework is delivered on site at the University of Winnipeg. For further information contact the Winnipeg Education Centre, 2E00 - 511 Ellice Avenue, Winnipeg, MB, R3B 2E9, (204) 789-1418.

VIII. Community-Based Aboriginal Teacher Education Program (CATEP)

In partnership with Seven Oaks and Winnipeg School Divisions, The University of Winnipeg offers a specialized BA/BEd degree program for aboriginal people who are working as teacher aides. Students must be employed by Seven Oaks or Winnipeg School Divisions and attend university part-time from September - April and full-time for May, June, and July. Due to the part-time nature of this program students will take 6.5 - 7 years to complete the 150 credit hours that comprise the degree. Applicants must first apply and be accepted by their school division for admission to this program.

IX. Post-Baccalaureate Diploma in Education (PBDE)

The PBDE is a 30 credit hour diploma program developed for in-service teachers. We currently offer both a General Stream, and a School Counselling Stream. Students in the General Stream can, depending upon their interests, needs, and/or areas of expertise, design their own, highly personalized program of studies. Students who hold a Bachelor's degree in an area other than Education, plus a full two years of related work experience, may be admitted to the General Stream. Students who complete the School Counselling Stream, and who have accumulated a minimum of two years successful teaching experience while holding a valid Manitoba Permanent Professional teaching certificate, will be eligible for a School Counsellor Certificate from Manitoba Education. Students must hold a Bachelor of Education degree in order to apply to the School Counselling stream.

Earning a PBDE has many benefits. Most notably, it allows educators an opportunity to grow personally and professionally by targeting and building their skills in specific areas. Concomitantly, it opens up possibilities for lifelong learning and personal/career

enhancement for individuals who do not have the time, inclination, or background to enrol in a formal graduate program. There are other advantages as well:

- Manitoba Education, Citizenship and Youth recognizes the PBDE for salary classification purposes.
- In appropriate circumstances, Manitoba Education, Citizenship and Youth may also count some PBDE courses toward their School Clinician, Special Education, and Level 1 or 2 School Leader Certificates.
- As a recognized Diploma, the PBDE is conferred at Convocation, and often helpful for career development and advancement.

X. Master's in Education in Association with the University of New England, Armidale, Australia

Students can now complete 50% of this M.Ed. degree through our Summer Institutes, and 50% through the University of New England. The UNE courses can be taken on-site in Australia, or on-line or via distance education. The M.Ed. is fully recognized by Manitoba Education, Citizenship and Youth for salary classification and other purposes.

NOTE: For more information on our various programs visit our website: www.uwinnipeg.ca/academic/as/education

EXPANDED ADMISSION INFORMATION

The University of Winnipeg affirms the values of equal opportunity, equity, and social justice. In keeping with these values, the Faculty of Education has established a policy of expanded admission to help us recruit a group of education students who generally reflect the diversity of the population of Manitoba. This policy is in addition to our Access Program at the Winnipeg Education Centre and the Community-Based Aboriginal Teacher Education Program.

Students who wish to be considered for Expanded Admission must indicate this on the Expanded Admission Student Application Form included with their application and provide supporting documentation. Applicants must be residents of Manitoba. Applications are reviewed on an individual basis and interviews may be required. Applicants are ranked among themselves and not against the general applicant pool.

Expanded Admission applicants applying to the first year of the Integrated Program must meet minimum admission requirements. Expanded Admission applicants applying as Transfer or After-Degree candidates must meet minimum admission requirements and have a minimum GPA of 2.0. Students on Probation or Not Allowed to Continue status are not eligible to apply.

Students admitted under the policy of Expanded Admission will be required to meet the same standards for progression and graduation as other students.

Note: Not all spaces may be filled.

Category 1: Aboriginal Peoples in Canada

An applicant may apply for Expanded Admission if the applicant is considered to be an Aboriginal person. An Aboriginal person is someone who identifies as a member/citizen of an Aboriginal Nation, Tribe, Band, Settlement, community or government and has been accepted as a member/citizen of that Nation, Tribe, Band, Settlement, community or government.

Applicants must provide proof of Aboriginal identity and acceptance at the time of application. One of the following will be accepted as proof for application purposes:

- a. a copy of a Status or Treaty card;
- b. a copy of a Métis membership card;
- c. a copy of a Nunavut Trust Certificate card, roll number or any other proof accepted by Inuit communities;
- d. proof that an ancestor's name has been entered
 - 1) in the Indian Register according to the Indian Act, or
 - 2) on the band list of an individual band, or
 - 3) on the Inuit roll;
- e. evidence of an ancestor who received a land grant or a scrip grant under the Manitoba Act or the Dominion Lands Act;
- f. written confirmation of Aboriginal ancestry from the Department of Indian Affairs;
- g. written confirmation of membership by a band council which has enacted its own band membership code;
- h. a Statutory Declaration by an applicant attesting to Aboriginal ancestry, supplemented by letters or documentation supporting the Declaration
 - 1) from an official of a recognized native organization, or
 - 2) from a relative in an Aboriginal community, or
 - 3) from the applicant describing involvement with Aboriginal issues.
- i. Written confirmation of membership/citizenship with an Aboriginal government that has assumed control of its own membership/citizenship jurisdiction under a self-government agreement or Treaty, or by an Aboriginal government that has assumed control under its inherent governance authority as an exercise in self-determination.

Candidates applying to the Integrated Program: Maximum 5 spaces

Candidates applying to transfer into the Program: Maximum 2 spaces

Candidates applying to the After-Degree Program: Maximum 3 spaces

Candidates applying to the Business Education Program: Maximum 1 space

Candidates applying to the Industrial Education Program: Maximum 1 space

Note: If the applicant is under 18 they may provide a copy of their parents' card as proof of Aboriginal Status.

Category 2: Visible Persons

An applicant may apply for Expanded Admission if the applicant is considered to be a visible person. Visible persons are generally defined as individuals, other than Aboriginal peoples, who because of ethnicity or colour are visible in Canada.

Candidates applying to the Integrated Program: Maximum 5 spaces
Candidates applying to transfer into the Program: Maximum 2 spaces
Candidates applying to the After-Degree Program: Maximum 3 spaces
Candidates applying to the Business Education Program: Maximum 1 space
Candidates applying to the Industrial Education Program : Maximum 1 space

Category 3: Special Consideration

An applicant may apply for Expanded Admission if their educational performance has been hindered by circumstances such as:

- a) barriers resulting from personal experiences related to ethnic identity
- b) first language other than English
- c) interruption of education by war or refugee experience
- d) a disability which has been formally diagnosed and supported with medical documentation
- e) a previous attempt at university which is not representative of student's ability. It is expected that applicants in this category will have at least 2 years of recent (within the past 5 years), successful, full-time experience working in a classroom, daycare or before & after school program which demonstrates their commitment to the field and their potential competency in this field.

Applicants in this category must include a supporting letter of reference from their supervising teacher or principal. This would be in addition to the 2 letters normally required of After Degree and Transfer applicants.

Applicants applying for special consideration must include a 1 - 2 page written statement with their application describing the factors that have prevented them from achieving a competitive G.P.A. in high school and/or university and supporting documentation. For Transfer and After Degree applicants this statement would accompany the mandatory autobiography that all applicants must submit.

Candidates applying to the Integrated Program: Maximum 5 spaces
Candidates applying to transfer into the Program: Maximum 2 spaces
Candidates applying to the After-Degree Program: Maximum 3 spaces
Candidates applying to the Business Education Program: Maximum 1 space

Adult Criminal Records and Child Abuse Registry Checks

The following policy applies to all applicants to the Faculty of Education including those applying to the Joint UW/RRC programs and ACCESS programs.

1. The Faculty of Education requires that all applicants must submit and be cleared on a formal Criminal Record Search Certificate (For Vulnerable Sector Search), and submit and be cleared on a formal Child Abuse Registry Check before admission can be finalized.
 - a) The fee for each of these documents is the responsibility of the applicant.
2. Criminal Record Search Certificate (For Vulnerable Sector Search) and Child Abuse Registry Check Application forms will be distributed at the mandatory orientation sessions for new Education students which take place in May and June. At these sessions, students will be provided with directions and deadlines.
 - a) It can take up to 6 weeks to obtain the Criminal Record Search Certificate (For Vulnerable Sector Search) and Child Abuse Registry Check. Students are encouraged to apply for these documents at the earliest possible date.
 - b) The Criminal Record Search Certificate (For Vulnerable Sector Search) and Child Abuse Registry Check must be dated within the last 3 months to be valid.
 - c) Originals of the Criminal Record Search Certificate (For Vulnerable Sector Search) and Child Abuse Registry Check must be presented to the Faculty of Education, Main Office. (Note: Joint UW/Red River College students should submit these documents to Red River College.)
 - d) An exact duplicate will be taken and stamped by the Faculty of Education representative. Originals will then be returned to the student. Students will receive a receipt acknowledging that the original documents have been seen and copied by a University representative. Those needing to mail the documents must submit the originals.
 - e) The Criminal Record Search Certificate (For Vulnerable Sector Search) and Child Abuse Registry Check will be kept strictly confidential and held separate from the student's main university file.
3. In the process of getting a Criminal Record Search Certificate, some applicants may be informed that they require a Fingerprint Search. The Student Teaching Office must be notified of this immediately. A fingerprint search can take a few months and the applicant must get special authorization from the Faculty to remain in the program while the Fingerprint Search is conducted.
4. Applicants will automatically have their acceptance withdrawn and be removed from all courses if:
 - a) they fail to submit a Criminal Record Search Certificate and/or Child Abuse Registry Check by the designated deadlines.
 - b) they require a fingerprint search and have not informed the Student Teaching Office of this by August 15 (at the latest).
 - c) they appear on the Child Abuse Registry.
5. The existence of a criminal record will not automatically exclude applicants, but, applicants to and graduates of Bachelor of Education programs who have adult criminal convictions which indicate they may pose a threat to the safety and well-being of children and others in the schools will be denied admission and/or teacher certification.
 - a) Applicants who have a criminal record may be asked to present an official fingerprint search/disposition prior to admission to the program.
 - b) Decisions with regard to criminal records will be made by the Legal Records Check Committee.
 - c) Applicants will be informed of the Committee's decision in writing. Applicants who are not admitted will have their Offer of Acceptance withdrawn and be removed from all courses.

6. Applicants are not required to disclose records under The Youth Criminal Justice Act. However, if the Faculty of Education becomes aware of a youth record which raises questions relating to the safety and well-being of children and others in the schools, this may be considered relevant for admission, continued enrollment, and/or certification purposes.
7. Once admitted, the Criminal Record Search and Child Abuse Registry Check are valid for the duration of study in the Faculty of Education as long as there is no change in status. Some practicum or service learning sites may require subsequent criminal record and/or child abuse registry checks.
 - a) Students are obligated to report a change in the status of their criminal record and/or Child Abuse Registry standing to the Chair, Legal Records Check Committee, Faculty of Education. Red River College students must inform the Chair of Teacher Education at Red River College.
 - b) Students who appear on the Child Abuse Registry will be immediately withdrawn from the Faculty and any ongoing Education courses.
 - c) Students reporting a change in the status of their criminal record will have their case evaluated by the Legal Records Check Committee. They will be informed of the Committee's decision in writing. Students who are not allowed to continue in the Faculty of Education will be immediately withdrawn from the Faculty and any ongoing Education courses.
 - d) The Faculty of Education has the right to remove a student from practicum while their case is being reviewed by the Legal Records Check Committee.
 - e) Failure to disclose a criminal record or listing on the Child Abuse Registry will result in immediate expulsion from the Faculty of Education.
8. The Faculty of Education cannot be held responsible for future changes in legislation which may affect eligibility for teacher certification.

REQUIREMENTS FOR THE INTEGRATED BEd/BA OR BSc DEGREE

ADMISSION REQUIREMENTS

- Space in the Integrated BEd/BA or BSc Degree program is limited, and not all eligible applicants may be admitted.
- Students must meet regular or mature admission requirements.
- Students currently registered in a BA or BSc program may apply to the Integrated program with advanced standing.
- The Education Selection Committee will select students on the basis of their academic qualifications and their admissibility to the program.
- Some applicants may be admitted under the category of Expanded Admission.
- Students accepted to the program will be required to submit a Criminal Record Check including a Vulnerable Sector Screening, and a Child Abuse Registry Check before admission can be finalized.
- Students are admitted to the program for studies commencing in the Fall term.

GRADUATION REQUIREMENTS

150 credit hours which meet all degree requirements as outlined for the Integrated BEd/BA or BSc
 Minimum 90 credit hours meeting the BA or BSc requirements.
 Minimum 60 credit hours meeting the BEd requirements.

RESIDENCE REQUIREMENTS

Minimum 84 credit hours: BA/BSc: minimum 30 credit hours.
 BEd: minimum 54 credit hours, which must include all practicum and curriculum, instruction and assessment courses.
 Teachable major: minimum 18 credit hours.

GENERAL DEGREE REQUIREMENTS

Humanities: 12 credit hours in Humanities
 Science: 6 credit hours in Science
 Writing: Minimum 3 credit hours of Academic Writing.
 Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
 Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR/ MINOR REQUIREMENTS

ARTS OR SCIENCE MAJOR REQUIREMENT

Minimum 30 credit hours in a major leading to a BA or BSc Degree (see section VII, 3)

EDUCATION MAJOR REQUIREMENT

Senior Years Stream

30 credit hours in a major teachable area (see the tables at the end of the Education section).

Note: In some cases, the major teachable area can be fulfilled by the Arts or Science major. However, some Arts or Science majors are not considered teachable areas.

Early, Early/Middle, and Middle Years Streams

18 credit hours in a major teachable area (see the tables at the end of the Education section). These 18 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

EDUCATION MINOR REQUIREMENT

Senior Years Stream

18 credit hours in a minor teachable area (see the tables at the end of the Education section). These 18 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

Early, Early/Middle, and Middle Years Streams

12 credit hours in a minor teachable area (see the tables at the end of the Education section). These 12 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

Note: All Streams The major and minor must be selected from 2 different teaching areas.

Distribution Requirement

Students in the Early, Early/Middle and Middle Years streams must complete a Distribution requirement consisting of:

- 6 credit hours in English literature or French literature courses (courses in Rhetoric, Writing, and Communications cannot be used toward the English requirement)
- 6 credit hours in Social Studies (only History and Geography courses can be used to fulfill the Social Studies requirement)
- 9 credit hours in total of Science and Math (only Biology, Chemistry, or Physics courses can be used toward the Science requirement. Statistics courses cannot be used to fulfill the Math requirement.) Students must have either 6 credit hours in Science and 3 credit hours in Math, or 3 credit hours in Science and 6 credit hours in Math.
- Courses used toward the major and/or minor teachable areas can also be used to fulfill the Distribution Requirement.

REQUIRED COURSES

(Integrated BEd/BA or BSc Degree)

Early Years, Early/Middle Years or Middle Years Stream

- EDUC-1810(3) Educational Leadership Within a Service Learning Framework (previously EDUC-2800(3)) (Note: Students in the WEC & CATEP ACCESS Programs only will complete EDUC-1801 or 1802 Education Today.)
- EDUC-2511(3) Learning Theory* and EDUC-2512(1) Learning Theory Practicum* (or EDUC-2514(1))
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-3810(6) Teaching/Learning and the K-8 Curriculum* and EDUC-3811(2) Teaching/Learning and the K-8 Curriculum Practicum* (or EDUC-3814(2))
- 3 credit hours to fulfill the Education Foundations Requirement chosen from:
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education
 - UIC-2515 (3) History of Education in Winnipeg's Inner City
- EDUC-4835(1) - EDUC-4842(3) Early Years Curriculum, Instruction and Assessment: All Areas*
- EDUC-4843(1) - EDUC-4948(3) Middle Years Curriculum, Instruction and Assessment: All Areas*
- if Early Years: EDUC-4820(3) Early Years Education
- if Middle Years: EDUC-4821(3) Middle Years Education
- EDUC-4404(3) The School System
- EDUC-4410(3) Introduction to Aboriginal Education
- 3 Credit hours of Special Education II Courses
- EDUC-4851(1) Professional/Development Workshop*
- 10 credit hours of Practicum Blocks as follows:
 - If Early Years: Practicum Blocks EDUC-4872(2.5)*, EDUC-4875(2.5)*, EDUC-4879(2.5)* and EDUC-4881(2.5)*
 - If Early/Middle Years: Practicum Blocks EDUC-4872(2.5)*, EDUC-4875(2.5)*, EDUC-4879(2.5)* and EDUC-4882(2.5)*
 - If Middle Years: Practicum Blocks EDUC-4872(2.5)*, EDUC-4876(2.5)*, EDUC-4879(2.5)* and EDUC-4882(2.5)*

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

REQUIRED COURSES

(Integrated BEd/BA or BSc Degree)

Senior Years Stream

- EDUC-1810(3) Educational Leadership within a Service Learning Framework (previously EDUC-2800(3))
- EDUC-2511(3) Learning Theory* and EDUC-2512(1) Learning Theory Practicum*
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-3810(6) Teaching/Learning and the K-8 Curriculum* and EDUC-3811(2) Teaching/Learning and the K-8 Curriculum Practicum*
- 3 credit hours to fulfill the Education Foundations Requirement chosen from:
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education
 - UIC-2515 (3) History of Education in Winnipeg's Inner City
- 6 credit hours in Senior Years Curriculum, Instruction and Assessment: Major*
- 6 credit hours in Senior Years Curriculum, Instruction and Assessment: Minor*
- EDUC-4401(3) Just and Effective Schools
- EDUC-4404(3) The School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4501(3) Introduction to Special Education

- EDUC-4602(3) Senior Years Curriculum, Instruction and Assessment: Integrating Technology into Senior Years Teaching
- EDUC-4701(3) Creating and Managing Effective Learning Environments
- EDUC-4821(3) Middle Years Education
- EDUC-4851(1) Professional/Development Workshop*
- EDUC-4852(5) 5 Senior Years Curriculum, Instruction and Assessment: Alternative*
- EDUC-4870(3) Senior Years Curriculum, Instruction and Assessment: Literacy Across the Curriculum*
- 3 Credit hours of Special Education II Courses
- Practicum Blocks: EDUC-4873(2.5)*, EDUC-4877(2.5)*, EDUC-4880(2.5)* and EDUC-4883(2.5)*

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

GRADE POINT REQUIREMENTS

- Students must obtain a 2.0 GPA (C) on 91 credit hours to be admitted to the certification portion of the degree.
- Students must obtain a 2.0 GPA (C) in the courses utilized toward the major.
- Students must obtain a 2.0 GPA (C) on 150 credit hours and meet all BEd requirements to qualify for the degrees.
- A student whose GPA falls below the minimum performance level and/or is on probation will be withdrawn from the program. For the "Minimum Grade Points Required to Continue" see Academic Regulations and Policies.

NOTE: Also see "Performance in Courses EDUC-2511(3), EDUC-2512(1), EDUC-2513(3) (RRC), EDUC 2514(1) (WEC), EDUC-3810(6) and EDUC-3811(2) and EDUC-3814(2) (WEC)" in the Faculty of Education General Information section for more information.

REQUIREMENTS FOR BA OR BSc GRADUATES TO OBTAIN THE BEd (AFTER-DEGREE BEd PROGRAM)

ADMISSION REQUIREMENTS

- Space in the After-Degree BEd Program is limited, and not all eligible applicants may be admitted.
- Applicants must have completed a first undergraduate degree (minimum 90 credit hours), with appropriate course work completed in a major teachable area and a minor teachable area. As well, applicants to the Early, Early/Middle or Middle Years stream must have completed a Distribution Requirement as outlined below.
- Students accepted to the program will be required to submit a Criminal Record Check including a Vulnerable Sector Screening, and a Child Abuse Registry Check before admission can be finalized.
- Students are admitted to the program for studies commencing in the Fall term.
- Some applicants may be admitted under the category of Expanded Admission.

GRADUATION REQUIREMENTS

Minimum 150 credit hours total for graduation with the second degree.
60 credit hours which meet all BEd requirements.

RESIDENCE REQUIREMENT

Degree: Minimum 48 credit hours, including all practicum, curriculum, instruction and assessment courses.

EDUCATION MAJOR REQUIREMENT

Senior Years Stream

30 credit hours in a major teachable area (see the tables at the end of the Education section).

Note: In some cases, the major teachable area can be fulfilled by the Arts or Science major. However, some Arts or Science majors are not considered teachable areas.

Early, Early/Middle, and Middle Years Streams

18 credit hours in a major teachable area (see the tables at the end of the Education section). These 18 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

EDUCATION MINOR REQUIREMENT

Senior Years Stream

18 credit hours in a minor teachable area (see the tables at the end of the Education section). These 18 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

Early, Early/Middle, and Middle Years Streams

12 credit hours in a minor teachable area (see the tables at the end of the Education section). These 12 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

Note: All Streams The major and minor must be selected from 2 different teaching areas.

Distribution Requirement

Students in the Early, Early/Middle and Middle Years streams must complete a Distribution requirement consisting of:

- 6 credit hours in English literature or French literature courses (Academic Writing courses cannot be used toward the English requirement)
- 6 credit hours in Social Studies (only History and Geography courses can be used to fulfill the Social Studies requirement)
- 9 credit hours in total of Science and Math (only Biology, Chemistry, or Physics courses can be used toward the Science requirement. Statistics courses cannot be used to fulfill the Math requirement.) Students must have either 6 credit hours in Science and 3 credit hours in Math, or 3 credit hours in Science and 6 credit hours in Math.
- Courses used toward the major and/or minor teachable areas can also be used to fulfill the Distribution Requirement.

REQUIRED COURSES

(After-Degree)

Early Years, Early/Middle Years or Middle Years Stream

- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-4002(6) Foundations of Teaching and Learning
- EDUC-4404(3) The School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4835(1) EDUC-4842(3) Early Years Curriculum, Instruction and Assessment: All Areas*
- EDUC-4843(1) EDUC-4948(3) Middle Years Curriculum, Instruction and Assessment: All Areas*
- 3 Credit hours of Special Education II Courses
- 10 credit hours of Practicum Blocks as follows:
If Early Years: Practicum Blocks EDUC-4872(2.5)*, EDUC-4875(2.5)*, EDUC-4879(2.5)* and EDUC-4881(2.5)*
If Early/Middle Years: Practicum Blocks EDUC-4872(2.5)*, EDUC-4875(2.5)*, EDUC-4879(2.5)* and EDUC-4882(2.5)*
If Middle Years: Practicum Blocks EDUC-4872(2.5)*, EDUC-4876(2.5)*, EDUC-4879(2.5)* and EDUC-4882(2.5)*

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education Program residency requirements.

REQUIRED COURSES

(After-Degree)

Senior Years Stream

- 6 credit hours in Senior Years Curriculum, Instruction and Assessment: Major*
- 6 credit hours in Senior Years Curriculum, Instruction and Assessment: Minor*
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-4002(6) Foundations of Teaching and Learning
- EDUC-4401(3) Just and Effective Schools
- EDUC-4404(3) The School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4602(3) Senior Years Curriculum, Instruction and Assessment: Integrating Technology into Senior Years Teaching
- EDUC-4701(3) Creating and Managing Effective Learning Environments
- EDUC-4852(5) Senior Years Curriculum, Instruction and Assessment: Alternative*
- EDUC-4870(3) Senior Years Curriculum, Instruction and Assessment: Literacy Across the Curriculum*
- 3 Credit hours of Special Education II Courses
- Practicum Blocks: EDUC-4873(2.5)*, EDUC-4877(2.5)*, EDUC-4880(2.5)* and EDUC-4883(2.5)*

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

GRADE POINT REQUIREMENTS:

- Students must obtain a minimum 2.0 GPA (C) over the 60 credit hours used toward the BEd degree.

NOTE: Also see "Rules and Regulations Governing the After-Degree Program" in the Faculty of Education General Information section for more information.

REQUIREMENTS FOR THE INTEGRATED BEd/BA OR BSc JOINT UW/RRC BUSINESS TEACHER EDUCATION or INDUSTRIAL ARTS/TECHNOLOGY TEACHER EDUCATION PROGRAMS

ADMISSION REQUIREMENTS

- Students must be admitted by both institutions. As admission to Red River College is contingent upon acceptance by the University of Winnipeg, students must submit their application to the University of Winnipeg.
- Students must meet Regular or Mature status admission requirements.
- Students currently registered in a BA or BSc program, or students who have completed a first undergraduate degree, may apply to the Joint UW/RRC program.
- The Joint UW/RRC Education Selection Committee will select students on the basis of their academic qualifications and admissibility to the program.
- Students accepted to the program will be required to submit a Criminal Record Check including a Vulnerable Sector Screening, and a Child Abuse Registry Check before admission can be finalized.
- Students are admitted to the program for studies commencing in the Fall Term.

NOTE: Students are advised that courses taken at Red River College will not normally be credited toward other degree programs. For example, students who withdraw from the Joint UW/RRC teacher education program and wish to pursue only a BA or BSc degree will lose a significant number of credit hours.

GRADUATION REQUIREMENTS

150 credit hours which meet all degree requirements as outlined for the Integrated BEd/BA or BSc Joint UW/RRC Business Teacher Education or Industrial Arts/Technology Teacher Education Program.

RESIDENCE REQUIREMENTS

Minimum 84 credit hours in coursework taken at UW and RRC; minimum 48 credit hours at UW.

BA/BSc: minimum 30 credit hours. BEd: minimum 54 credit hours in course work taken at UW and RRC; minimum 18 credit hours at UW which must include all practicum and, curriculum, instruction, and assessment courses.
Teachable major: minimum 18 credit hours.

GENERAL DEGREE REQUIREMENTS

Major:	Minimum 30 credit hours in a teachable subject.
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.

REQUIRED COURSES

(Integrated BEd/BA or BSc Degree)

Joint UW/RRC Business Teacher Education Stream

Red River College courses:

- ACCT-1975 Fundamentals of Accounting
- ACCT-2245 Intermediate Accounting
- BUSA-1305 Business Organization and the Consumer
- COMM-1067 Information and Communication Tech
- COMP-1993 Keyboarding & Print Communications I
- COMP-1994 Software Applications
- COMP-1995 Computerized Accounting
- COMP-1996 Multimedia & Digital Applications
- EDUC-1003 Animation and Digital Applications
- EDUC-1074 Commercial Law
- EDUC-1075 Business Education Methods and Practicum I
- EDUC-1076 Seminar and School Experience
- EDUC-1077 Testing and Evaluation
- EDUC-1078 Course Development
- EDUC-1079 Issues in Business Education
- EDUC-1080 Topics in Business Education
- EDUC-2001 Information Communication Technology Methods and Practicum 1
- EDUC-2002 Information Communication Technology Methods and Practicum 2
- EDUC-2003 Business Education Methods and Practicum 2
- MRKT-1751 Marketing
- MRKT-2090 Retail Management
- PRAC-3327 Business Student Teaching

University of Winnipeg courses:

- EDUC-2513(3) Learning Theory*
 - EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
 - EDUC-4821(3) Middle Years Education
 - 3 credit hours to fulfill the Education Foundations Requirement chosen from:
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education
 - UIC-2515 (3) History of Education in Winnipeg's Inner City
 - 6 credit hours in Senior Years Curriculum, Instruction & Assessment: Major*
 - Practicum Block: EDUC-4884(3) Practicum Block-Red River College
 - EDUC-4404(3) School System
 - EDUC-4410(3) Introduction to Aboriginal Education
 - EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
 - 3 credit hours of Special Education II Courses
- * Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

REQUIRED COURSES

(Integrated BEd/BA or BSc)

Joint UW/RRC Industrial Arts/Technology Teacher Education Program

Red River College courses:

- EDUC-1076 Seminar and School Experience
- EDUC-1077 Testing and Evaluation
- EDUC-1078 Course Development
- EDUC-1081 Manufacturing Technology-Introduction
- EDUC-1083 Construction Technology-Introduction 1
- EDUC-1084 Power and Energy Technology-Introduction 1
- EDUC-1085 Industrial Arts Education Methods and Practicum 1

- EDUC-1086 Organizing Technology Education Facilities
- EDUC-1088 Issues in Industrial Arts/Technology Education
- EDUC-1089 Topics in Industrial Arts/Technology Education
- EDUC-1116 Graphic Communications Tech 1
- EDUC-2070 Construction Technology -Intermediate
- EDUC-2071 Power and Energy Technology-Intermediate
- EDUC-2089 Manufacturing Technology-Intermediate
- EDUC-2090 Industrial Arts Education Methods and Practicum 2
- EDUC-2091 Teaching Industrial Arts/Technology Education
- EDUC-2095 Graphic Communications Tech 2
- EDUC-3225 Manufacturing Technology-Advanced
- EDUC-3226 Construction Technology-Advanced
- EDUC-3227 Power and Energy Technology-Advanced
- EDUC-3229 Graphic Communications Technology-Advanced
- PRAC-3008 Industrial Arts Student Teaching

University of Winnipeg courses:

- EDUC-2513(3) Learning Theory*
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-4821(3) Middle Years Education
- 3 credit hours to fulfill the Education Foundations Requirement chosen from:
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education
 - UIC-2515 (3) History of Education in Winnipeg's Inner City
- 6 credit hours in Senior Years Curriculum, Instruction & Assessment: Major*
- Practicum Block: EDUC-4884(3) Practicum Block-Red River College
- EDUC-4404(3) School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
- 3 Credit hours of Special Education II Courses

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

GRADE POINT REQUIREMENTS

- Students must obtain a 2.0 GPA (C) on 150 credit hours and meet all degree and diploma requirements.
- Students must obtain a 2.0 GPA (C) in the courses utilized toward the major.
- A student whose GPA falls below the minimum performance level and/or is on probation will be withdrawn from the program. For the "Minimum Grade Points Required to Continue" see Academic Regulations and Policies.

NOTE: Also see "Performance in Courses EDUC-2511(3), EDUC-2512(1), EDUC-2513(3) (RRC), EDUC-2514(1) (WEC), EDUC-3810(6), EDUC-3811(2) and EDUC-3814(2) (WEC)" in the Faculty of Education General Information section for more information.

REQUIREMENTS FOR BA OR BSc GRADUATES TO OBTAIN THE JOINT UW/RRC BEd IN BUSINESS TEACHER EDUCATION OR INDUSTRIAL ARTS/TECHNOLOGY TEACHER EDUCATION (AFTER-DEGREE PROGRAMS)

ADMISSION REQUIREMENTS

- Space in the Joint UW/RRC After-Degree BEd programs is limited, and not all eligible applicants may be admitted.
- Students must be admitted by both institutions. As admission to Red River College is contingent upon acceptance by the University of Winnipeg, students must submit their application to the University of Winnipeg.
- Applicants must have completed a first undergraduate degree. Minimum 90 credit hour degree.
- Depending on the content of the first degree, advance credit may be granted for Red River courses. If admitted to the 2-Year After Degree program, students must complete an additional 60 credit hours. If admitted to the 3-Year After Degree program, students must complete an additional 90 credit hours. Advance standing in Red River courses will be evaluated by the Chair of Teacher Education, Red River College.
- Students accepted to the program will be required to submit a Criminal Record Check including a Vulnerable Sector Screening, and a Child Abuse Registry Check before admission can be finalized.

NOTE: Students are advised that courses taken at Red River College will not normally be credited toward other degree programs. For example, students who withdraw from the Joint UW/RRC teacher education program and wish to pursue only a BA or BSc degree will lose a significant number of credit hours.

GRADUATION REQUIREMENTS

Minimum 150 credit hours total for graduation (2-Year After-Degree program in Business Teacher Education); minimum 180 credit hours total for graduation (3-Year After-Degree program in Business Teacher Education or 3-Year After-Degree program in Industrial Arts/Technology Teacher Education).
 Minimum 60 credit hours which meet all BEd requirements.
 Students must obtain a minimum 2.0 GPA (C) over the 60 credit hours used toward the BEd Degree.

RESIDENCE REQUIREMENTS

Minimum 48 credit hours in course work completed at UW and RRC; minimum 15 credit hours taken at UW, which must include all practicum and curriculum, instruction and assessment courses.

REQUIRED COURSES

(After-Degree Program)

Joint UW/RRC Business Teacher Education

NOTE: Students must have completed 18 credit hours of appropriate courses in a teachable minor, prior to enrolling in the related Senior Years Curriculum, Instruction and Assessment course and associated practicum. Completion of a teachable minor may require courses beyond the first degree.

Red River College courses:

- ACCT-1975 Fundamentals of Accounting
- ACCT-2245 Intermediate Accounting
- BUSA-1305 Business Organization and the Consumer
- COMP-1993 Keyboarding & Print Communications
- COMP-1994 Software Applications
- COMP-1995 Computerized Accounting
- COMP-1996 Multimedia & Digital Applications
- EDUC-1074 Commercial Law
- EDUC-1075 Business Education Methods and Practicum I
- EDUC-1076 Seminar and School Experience
- EDUC-1077 Testing and Evaluation
- EDUC-1078 Course Development
- EDUC-2001 Information Communication Technology Methods and Practicum 1
- EDUC-2002 Information Communication Technology Methods and Practicum 2
- EDUC-2003 Business Education Methods and Practicum 2
- MRKT-1751 Marketing
- MRKT-2090 Retail Management
- PRAC-3327 Business Student Teaching

Two of the following three courses:

- COMM-1067 Information and Communication Tech
- EDUC-1080 Topics in Business Education
- EDUC-1003 Animation and Digital Applications

University of Winnipeg courses:

- 6 credit hours in Senior Years Curriculum, Instruction & Assessment: Minor*
- Practicum Block: EDUC-4884(3) Practicum Block-Red River College
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-4404(3) School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4501(3) Introduction to Special Education
- EDUC-4821(3) Middle Years Education
- EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
- 3 credit hours of Special Education II Courses
- 3 credit hours chosen from:
 - EDUC-2232(3) Conflict Resolution in Educational Settings
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - EDUC-4401(3) Just and Effective Schools
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education
 - UIC-2515 (3) History of Education in Winnipeg's Inner City

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education Program residency requirements.

REQUIRED COURSES

(After-Degree Program)

Joint UW/RRC Industrial Arts/Technology Teacher Education

NOTE: Students must have completed 18 credit hours of appropriate courses in a teachable minor, prior to enrolling in the related Senior Years Curriculum, Instruction and Assessment course and associated practicum. Completion of a teachable minor may require courses beyond the first degree.

Red River College courses:

- EDUC-1076 Seminar and School Experience
- EDUC-1077 Testing and Evaluation
- EDUC-1078 Course Development
- EDUC-1081 Manufacturing Technology-Introduction
- EDUC-1083 Construction Technology-Introduction 1
- EDUC-1084 Power and Energy Technology-Introduction 1
- EDUC-1085 Industrial Arts Education Methods and Practicum 1
- EDUC-1086 Organizing Technology Education Facilities

- EDUC-1116 Graphic Communications Tech 1
- EDUC-2070 Construction Technology -Intermediate
- EDUC-2071 Power and Energy Technology-Intermediate
- EDUC-2089 Manufacturing Technology-Intermediate
- EDUC-2090 Industrial Arts Education Methods and Practicum 2
- EDUC-2091 Teaching Industrial Arts/Technology Education
- EDUC-2095 Graphic Communications Tech 2
- EDUC-3225 Manufacturing Technology-Advanced
- EDUC-3226 Construction Technology-Advanced
- EDUC-3227 Power and Energy Technology-Advanced
- EDUC-3229 Graphic Communications Technology-Advanced
- PRAC-3008 Industrial Arts Student Teaching

University of Winnipeg courses:

- 6 credit hours in Senior Years Curriculum, Instruction & Assessment: Minor*
- Practicum Block: EDUC-4884(3) Practicum Block-Red River College
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-4404(3) School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4821(3) Middle Years Education
- EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
- 3 Credit hours of Special Education II Courses
- 3 credit hours chosen from:
 - EDUC-2232(3) Conflict Resolution in Educational Settings
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - EDUC-4401(3) Just and Effective Schools
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education
 - UIC-2515 (3) History of Education in Winnipeg's Inner City

*Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

GRADE POINT REQUIREMENTS

- Students must obtain a minimum 2.0 GPA (C) over the 60 credit hours used toward the BEd degree.
- NOTE:** Also see "Rules and Regulations Governing the After-Degree Program" in the Faculty of Education General Information section for more information.

**REQUIREMENTS FOR THE JOINT UW/RRC VOCATIONAL
TEACHER EDUCATION PROGRAM**

ADMISSION REQUIREMENTS

- Students must have completed the RRC Vocational Teacher Education Diploma before being admitted to the UW BEd Program.
- Students must meet regular or mature admission requirements.
- Students **accepted** to the program will be required to submit a Criminal Record Check including a Vulnerable Sector Screening, and a Child Abuse Registry Check before admission can be finalized.
- NOTE:** Students are advised that courses taken at Red River College will not normally be credited toward other degree programs. For example, students who withdraw from the Joint UW/RRC teacher education program and wish to pursue only a BA or BSc degree will lose a significant number of credit hours.

GRADUATION REQUIREMENTS

Minimum 150 credit hours in RRC transfer credits and UW credits which meet all degree requirements as outlined for the 5-year Bachelor of Education Degree. Students may receive up to 90 credit hours of RRC credits, and will normally be required to complete 60 credit hours at UW.

RESIDENCE REQUIREMENTS

Minimum 30 credit hours

GENERAL DEGREE REQUIREMENTS

- Teachable Minor: Minimum 18 credit hours
- Professional/Support Courses: Minimum 30 credit hours, which may include some required courses.
- General Electives: To bring total UW credits to 60 credit hours.

REQUIRED COURSES

Joint UW/RRC Vocational Teacher Education Program

- 6 credit hours in Senior Years Curriculum, Instruction & Assessment*
- Note: Students may choose to complete Senior Years Curriculum, Instruction & Assessment courses appropriate to their minor, or they may complete Senior Years Curriculum, Instruction & Assessment: General Methods. Students are advised that if they choose to register for the Senior Years Curriculum, Instruction & Assessment courses related to their minor, they will have to be available to take classes during the day, in the regular Fall/Winter academic year.
- Practicum Block: EDUC-4884(3) Practicum Block-Red River College
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-4404(3) School System
- EDUC-4410(3) Introduction to Aboriginal Education

- EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
 - 3 Credit hours of Special Education II Courses
 - 6 credit hours of Professional or Support courses
- * Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

GRADE POINT REQUIREMENTS

- Students must obtain a 2.0 GPA (C) on 60 credit hours taken at UW to complete degree requirements.
- A student whose GPA falls below the minimum performance level and/or is on probation will be withdrawn from the program. For the "Minimum Grade Points Required to Continue" see Academic Regulations and Policies.

REQUIREMENTS FOR THE INTEGRATED BEd/BA OR BSc JOINT UW/RRC ABORIGINAL LANGUAGE TEACHER EDUCATION PROGRAM

ADMISSION REQUIREMENT

- Students must be admitted by both institutions.
- Students must meet Regular or Mature status admission requirements.
- Students currently registered in a BA or BSc program, or students who have completed a first undergraduate degree, may apply to the Joint UW/RRC program.
- Students will typically complete the Aboriginal Language Specialist Diploma at Red River College prior to beginning studies at the University of Winnipeg but may be enrolled concurrently if they wish.
- The Joint UW/RRC Education Selection Committee will select students on the basis of their academic qualifications and admissibility to the program.
- Students **accepted** to the program will be required to submit a Criminal Record Check including a Vulnerable Sector Screening, and a Child Abuse Registry Check before admission can be finalized.
- Students are admitted to the program for studies commencing in the Fall Term.
- This program prepares students to teach in the Senior Years Stream. Aboriginal language candidates who wish to teach in the Early/Middle Stream must apply to transfer into the regular Integrated B.Ed. Program.

GRADUATION REQUIREMENTS

150 credit hours which meet all degree requirements as outlined for the Integrated BEd/BA or BSc Joint UW/RRC Aboriginal Language Teacher Education Program.

RESIDENCE REQUIREMENTS

Minimum 84 credit hours in coursework taken at UW and RRC; minimum 48 credit hours at UW.
 BA/BSc: minimum 30 credit hours.
 BEd: minimum 54 credit hours in coursework taken at UW and RRC; minimum 18 credit hours at UW which must include all practicum and, curriculum, instruction, and assessment courses.
 Teachable major: minimum 18 credit hours.

GENERAL DEGREE REQUIREMENTS

Major: Minimum 30 credit hours in a teachable subject.
 Humanities: 12 credit hours in Humanities
 Science: 6 credit hours in Science
 Writing: Minimum 3 credit hours of Academic Writing.
 Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
 Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

REQUIRED COURSES

(Integrated BEd/BA or BSc Degree)
 Joint UW/RRC Aboriginal Language Stream

Red River College courses:

- Completion of the Aboriginal Language Specialist Diploma at Red River College.

University of Winnipeg courses:

- EDUC-1810(3) Educational Leadership within a Service Learning Framework (previously EDUC-2800(3))
- EDUC-2511(3) Learning Theory* and EDUC-2512(1) Learning Theory Practicum*
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- 3 credit hours to fulfill the Education Foundations Requirement chosen from:
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education
 - UIC-2515(3) History of Education in Winnipeg's Inner City
- EDUC-3810(6) Teaching/Learning and the K-8 Curriculum* and EDUC-3811(2) Teaching/Learning and the K-8 Curriculum Practicum*
- 6 credit hours in Senior Years Curriculum, Instruction & Assessment: Major*
- EDUC-4401(3) Just and Effective Schools
- EDUC-4404(3) School System

- EDUC-4410(3) Introduction to Aboriginal Education
 - EDUC-4602(3) Senior Years Curriculum, Instruction and Assessment: Integrating Technology into Senior Years Teaching
 - EDUC-4701(3) Creating and Managing Effective Learning Environments
 - EDUC-4821(3) Middle Years Education
 - EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
 - 3 Credit hours of Special Education II Courses
 - 3 Credit hours of Trends and Topics Courses
 - Practicum Block: EDUC-4884(3) Practicum Block-Red River College I and EDUC-4884(3) Practicum Block-Red River College II
- * Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

NOTE: Requirements are subject to change.

GRADE POINT REQUIREMENTS

- Students must obtain a 2.0 GPA (C) on 150 credit hours and meet all degree and diploma requirements.
- Students must obtain a 2.0 GPA (C) in the courses utilized toward the major.
- A student whose GPA falls below the minimum performance level and/or is on probation will be withdrawn from the program. For the "Minimum Grade Points Required to Continue" see Academic Regulations and Policies.

NOTE: Also see "Performance in Courses EDUC-2511(3), EDUC-2512(1), EDUC-2513(3) (RRC), EDUC-2514(1) (WEC), EDUC-3810(6), EDUC-3811(2) and EDUC-3814(2) (WEC)" in the Faculty of Education General Information section for more information.

REQUIREMENTS FOR BA OR BSc GRADUATES TO OBTAIN THE JOINT UW/RRC BEd IN ABORIGINAL LANGUAGE TEACHER EDUCATION (AFTER-DEGREE BEd PROGRAM)

ADMISSION REQUIREMENT

- Space in the Joint UW/RRC After-Degree BEd program is limited, and not all eligible applicants may be admitted.
- Students must be admitted by both institutions. As admission to Red River College is contingent upon acceptance by the University of Winnipeg, students must submit their application to the University of Winnipeg.
- Applicants must have completed a first undergraduate degree. Minimum 90 credit hour degree.

GRADUATION REQUIREMENTS

Minimum 150 credit hours total for graduation with the second degree.
60 credit hours which meet all BEd requirements.

RESIDENCE REQUIREMENT

Degree: Minimum 48 credit hours, including all practicum, curriculum, instruction and assessment courses.

REQUIRED COURSES

(After Degree Program)

Joint UW/RRC Aboriginal Language Stream

Red River College courses:

- L96-A002 Aboriginal Writing 1
- L96-A005 Introduction to Linguistics
- L96-A008 Seminar on Traditional Teachings
- L96-A012 Introduction to Translation
- L96-A201 Aboriginal Writing 2
- L96-A204 Algonquian Linguistics 2
- L96-A207 Seminar on Traditional Teachings 2
- L96-A213 Translation 2
- L96-A207a Seminar on Traditional Teachings 3
- L96-A213a Translation 3
- L96-A201a Aboriginal Writing 3
- L96-A204a Algonquian Linguistics 3
- B22-E203 Course Development
- L96-A3XX Curriculum, Instruction & Assessment: Aboriginal Language Education 1
- B22-E204 Educational Testing and Evaluation
- L96-A3YY Curriculum, Instruction & Assessment: Aboriginal Language Education 2
- B22-T110 Seminar & School Experience
- L96-A013 Aboriginal Language Education: Methods and Practicum I
- L96-A212 Aboriginal Language Education: Methods and Practicum II
- B22-T212 Student Teaching - Major

University of Winnipeg courses:

- 6 credit hours in Senior Years Curriculum, Instruction & Assessment: Minor*
- Practicum Block: EDUC-4884(3) Practicum Block-Red River College
- EDUC 2530(3) Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))
- EDUC-4404(3) School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4821(3) Middle Years Education

- EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
- 3 Credit hours of Special Education II Courses
- 3 credit hours chosen from:
 - EDUC-2232(3) Conflict Resolution in Educational Settings
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - EDUC-4401(3) Just and Effective Schools
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - UIC-2515(3) History of Education in Winnipeg's Inner City

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

NOTE: Requirements are subject to change.

GRADE POINT REQUIREMENTS

- Students must obtain a minimum 2.0 GPA (C) over the 60 credit hours used toward the BEd degree.

NOTE: Also see "Rules and Regulations Governing the After-Degree Program" in the Faculty of Education General Information section for more information.

REQUIREMENTS FOR POST-BACCALAUREATE DIPLOMA IN EDUCATION (PBDE)

ADMISSION REQUIREMENTS

To be considered for the University of Winnipeg PBDE, candidates must meet the following requirements:

- Have maintained a minimum GPA of 2.0 in all degree or after-degree programs.
- Hold a Bachelor of Education degree (or equivalent), or
- Hold a Bachelor's degree in an area other than Education, plus a full two years of related experience in a school setting. (General Stream only)

PROGRAM REQUIREMENTS

The Post-Baccalaureate Diploma in Education at the University of Winnipeg is subject to the following requirements:

General Stream

- Students must complete 30 credit hours of course work to earn their PBDE.
- A minimum of 18 credit hours must be University of Winnipeg Education courses at the 5,000 level (which also fulfills the Residency Requirement).
- Although the entire Program might be comprised of Education courses, a maximum of 12 credit hours may be below the 5,000 level and taken from any Faculty. (Students, however, may not count courses at the 1,000 level or lower).
- A maximum of 12 credit hours may be taken from other post-secondary institutions and, upon approval from the Faculty of Education, transferred to the University of Winnipeg's PBDE Program.
- There will be no credit given for professional development sessions (i.e. only formal university courses will be accepted for the PBDE).
- Students must achieve an overall GPA of 2.5 (or C+ Average) on the 30 credit hours needed for the PBDE.

PBDE Counselling Stream

The University of Winnipeg's Post Baccalaureate Diploma in School Counselling prepares students with the theory and skills needed to develop and deliver counselling programs that promote students' personal and social well being, academic achievement, and career development in schools. This program will be of interest to both novice and experienced counsellors who wish to take on expanded leadership roles in their schools. This program meets the requirements of the School Counsellor Certificate granted by Manitoba Education, Citizenship and Youth.

Required Courses – 18 credit hours

EDUC-5420(3) Introduction to School Counselling
 EDUC-5421(3) Theories and Issues in School Counselling
 EDUC-5425(3) Counselling Ethics

One of the following courses:

EDUC-5422(3) Elementary School Counselling
 EDUC-5423(3) Secondary School Counselling
 EDUC-5424(3) Group Counselling
 EDUC-5426(3) School Counselling Practicum Skills
 EDUC-5427(3) Supervised Counselling Practicum

Electives – 12 credit hours chosen from the following list (subject to change)

This is an evolving list – new courses may be added as they are developed. Students are advised to consult the Faculty of Education website for updated information

<http://education.uwinnipeg.ca>

EDUC-5401(3) Creative Problem Solving
 EDUC-5403(3) Meeting the Needs of FAS/FAE Students
 EDUC-5404(3) Reaching the ADHD Child
 EDUC-5405(3) Reclaiming Troubled Children and Youth
 EDUC-5406(3) Steps to Achieving Real-Life Skills
 EDUC-5411(3) Youth Violence in Schools
 EDUC-5001(3) The Building Blocks of Hope

EDUC-5001 (3) Conflict Resolution and Restorative Practices in Ed Settings
 EDUC-5001(3) Promoting Mental Health in Public Schools
 EDUC-5001(3) Assessment Research I
 EDUC-5001(3) Vulnerable Children and Youth: Strategies for Resiliency
 EDUC-5001(3) Teaching and Assisting Children Affected by War

Additional Information

EDUC-5427(3) Supervised Counselling Practicum – students must have completed all other required and elective courses in order to be eligible to register for this course. This course involves completion of 100 hours of practicum in a school setting. Students cannot arrange their own placements, and cannot be placed in a school in which they are currently employed. Students may need to take a leave of absence from their jobs in order to have the time necessary to complete practicum hours. Placements are limited, and this course will be offered every other year.

REQUIREMENTS FOR MASTER’S IN EDUCATION IN ASSOCIATION WITH THE UNIVERSITY OF NEW ENGLAND, ARMIDALE, AUSTRALIA

The Faculty of Education at the University of Winnipeg is pleased to announce our partnership with the School of Education at the University of New England (UNE), Armidale, Australia. The two Faculties have much in common, including an abiding interest in giftedness/enrichment/talent development, at-risk children and youth, and indigenous education. In 2002, UNE agreed to accept our Faculty’s post-graduate courses for credit toward their M.Ed. in Gifted and Talented Education. Students can now complete 50% of this M.Ed. degree through our 5000-level courses, and 50% through the University of New England. The UNE courses can be taken on-site in Australia, on-line or via distance education. The M.Ed. Degree, which is conferred by the University of New England, is fully recognized by Manitoba Education, Citizenship and Youth for salary classification and other purposes.

**Master’s of Education in Gifted and Talented Education
 University of New England (UNE)
 In association with the University of Winnipeg
 Faculty of Education**

To complete the requirements for the M.Ed. Degree, students must select a minimum of four units from UNE, and four courses from UW. A minimum of five courses/units must have a focus on Gifted and Talented.

COURSES	G & T
University of Winnipeg Courses (four courses, selected from the following):	
EDUC-5412 Gifted Education in the Inner City	Yes
EDUC-5401 Creative Problem Solving	Yes
EDUC-5402 Expanding Gifted Education	Yes
EDUC-5404 Reaching the ADHD Child	
EDUC-5405 Reclaiming Troubled Children and Youth	
EDUC-5403 Meeting the Needs of FAS/FAE Students	
University of New England Courses (four units, selected from the following):	
EDLT 573 Creative Thinking and Problem Solving	Yes
EDLT 582 Social and Cultural Aspects of Giftedness	Yes
EDLT 588 Internet Learning for Gifted and Talented Children	Yes
EDLT 584 Issues in Talent Development	Yes
EHPS 590 Research Methods I	Yes
EDUC 596/597 Special Reading Topics in Education	Yes
Mini Thesis (equivalent to two courses)	

GENERAL INFORMATION

Course Selection, Advising and Registration Information - Integrated Program, Years 1-3

- Education students are advised through the Faculty of Education Academic Advisors located in the Faculty of Education Main Office area.
- Newly admitted students must attend an orientation prior to registering. Orientations are held throughout May, June, and July. Dates of orientations will be provided in the registration materials students receive upon acceptance into the program.
- Registration materials for returning students can be found on-line beginning in mid-March. Specific materials necessary to registration are contained in these kits.
- Returning students are advised to participate in "early advising" which takes place in January, February, and March. Appointments can be made in the Faculty of Education Main Office in early January. It is highly recommended that students receive advising before completing the end of second term.
- Students are assigned a time to register and these appointment times are determined on the basis of credit hours completed and the student's grade point average. All Education students require certain compulsory Education courses throughout their program in order to meet requirements. These courses will fill on a first-come, first-served basis based during the assigned registration appointment times. Therefore, we recommend the following:
 1. Register at your appointed time in order to get the best selection of courses and sections.
 2. If one section of a required Education course is full, select and register for another section of that course. While you may wish to add your name to a wait list for your preferred section, it is in your best interest to be registered for the required course. Remember that all Education students require these compulsory courses and withdrawals from the courses or movement from one section to another is unlikely.
- Education students cannot register for school practicum courses during late registration periods (September and January) due to the lead-time necessary to arrange for a school placement.

Course Selection, Advising and Registration Information - Certification

- Certification students will be assigned an appointment time to register during Tier 2 and it is expected that students will register during this time. If a student does not register at their appointed time, the Faculty of Education will not guarantee entry into courses that have filled and the student may require an additional year in order to complete all requirements.
- In some years certain combinations of Senior Years Curriculum, Instruction and Assessment courses may not be available. In cases like this, students will register for 6 credit hours of Senior Years Curriculum, Instruction and Assessment in one area in Year 4 and 6 credit hours of Senior Years Curriculum, Instruction and Assessment in the other area in Year 5.
- Certain requirements must be completed in certain years. For example, students in Year 4 must complete the Aboriginal Education requirement. The Faculty of Education Program reserves the right to remove a student from a course if the student does not require the course for their program that particular year in order to accommodate a student who must have the course
- The Faculty of Education reserves the right to move students from one section of a course to another section of the same course in order to balance sections and ensure that all students requiring the course are accommodated.
- We reserve the right to change a preferred course to another course which meets the same requirement if necessary to ensure that all students are able to register for the courses that they need in order to graduate.

Withdrawal or Removal from the Faculty of Education

- BEd students who are placed on probation, suspension or not allowed to continue status will be removed from the Faculty of Education and withdrawn from any ongoing Education or practicum courses.
- BEd students who do not register at the onset of a new academic year (September) will be withdrawn from the program. This regulation does not apply to certified teachers or students who have requested in writing and received permission from a Faculty of Education Academic Advisor to be kept on hold for that academic year. Generally students can have their status in the program held for a maximum of 1 year.
- Acceptance into the Faculty of Education is for that academic year only. Admission cannot be deferred. Students declining an offer of admission must reapply if they wish to seek entry at a later date. As admission is dependent on the qualifications of the pool of applicants each year, subsequent admission cannot be guaranteed.
- Students who are admitted to the program but who do not register within the specified time will have their acceptance withdrawn and must reapply.
- Students who register and subsequently withdraw from required education courses will be removed from the program unless they have received permission from a Faculty of Education Academic Advisor to withdraw.
- The BEd degree cannot be granted without completion of a minimum of a 90 credit hour undergraduate degree; however, students in the Integrated program can claim a BA or BSc without completing the BEd portion should they wish to withdraw from the program. With the exception of the courses listed below, all Education courses can be used as credit towards an Arts or Science degree:
 EDUC-2512(1) Learning Theory Practicum
 EDUC-2514(1) Learning Theory Practicum (WEC)
 EDUC-3811(2) Teaching/Learning and the K-8 Curriculum Practicum
 EDUC-3814(2) Teaching/Learning and the K-8 Curriculum Practicum (WEC)
 EDUC-4835(1) - EDUC-4842(3) EY C,I & A (all areas)
 EDUC-4843(1) - EDUC-4850(3) MY C,I & A (all areas)
 EDUC-4852/5 - EDUC-4870(3) SY C, I & A (all areas)
 EDUC-4872(2.5) - EDUC-4883(2.5) Practicum Blocks
- Students should also consult section XII for additional information on Removal from the Faculty of Education.

Part-time Attendance

In Years 2-5 of the program, students are required to spend time in the schools student teaching. Students must be able to make arrangements to complete the student teaching portion of the program. For the first few years, it is possible for students to attend on a part-time basis. The certification portion of the program must be taken on a full-time basis. After-Degree students must attend both years of the program on a full-time basis.

Changing Streams

Students in the Integrated Program identify a stream upon registering for Year 1. They may change their selection up until the end of Year 2 which is defined as the completion of 61 credit hours. No changes to streams will be considered in Year 3 of the program or once students have completed 61 credit hours or more.

Changing Teachable Majors or Minors

Students in the Integrated Program identify their teachable majors and minors upon registering for Year 1. They may change their teachable subjects up until the end of Year 2 which is defined as the completion of 61 credit hours. For students in the Senior Years stream, no changes to teachable majors or minors will be considered in Year 3 of the program or once students have completed 61 credit hours or more. For students in the Early, Early/Middle or Middle Years streams, they may change teachable subjects in Year 3 of the Program as long as they can still fulfil the requirements of the major or minor prior to entering Certification Year 4.

Challenge for Credit in the Faculty of Education

The Faculty of Education has a residency requirement which includes all Curriculum, Instruction and Assessment courses as well as practicum, therefore, students cannot request challenge for credit for any of these courses. (Also, students may not transfer Curriculum, Instruction and Assessment courses or practicum into their program.) Note: This regulation does not apply to those who have been admitted to the Certified Teacher Program.

Students wishing to seek credit for courses other than Curriculum, Instruction and Assessment courses and practicum are referred to the Course Calendar, Regulations and Policies, Section 6. Challenge for Credit - Assessing Prior Learning.

FACULTY OF EDUCATION RULES AND REGULATIONS

I. Performance in courses EDUC-1810(3) (or EDUC-2800(3)), EDUC-2511(3), EDUC-2512(1), EDUC-2513(3) (RRC), EDUC-2514(1) (WEC), EDUC-3810(6) EDUC-3811(2), and EDUC 3814(2)

a) Students who receive a grade less than "C" in courses EDUC-2511(3) Learning Theory, EDUC-2513(3) Learning Theory (RRC) or EDUC-3810(6) Teaching/Learning K-8 will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following. That the student:

1. be required to repeat the course and/or practicum. Generally if a student is required to repeat a course they will be required to repeat the practicum. When required to repeat a course the student will be expected to achieve a minimum grade of "C" in order to be allowed to continue in the Faculty of Education. Only one repeat of the course will be allowed, or
2. be withdrawn from the Faculty of Education.

b) Students who do not pass courses EDUC-1810(3) Service Learning, EDUC-2512(1) Learning Theory Practicum, EDUC-2514(1) Learning Theory Practicum (WEC), or EDUC-3811(2) Teaching/Learning K-8 Practicum or EDUC 3814(2) Teaching /Learning K-8 Practicum (WEC) will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following. That the student:

1. be required to repeat the course and/or practicum. Generally if a student is required to repeat a course they will be required to repeat the practicum. When required to repeat a course the student will be expected to achieve a minimum grade of "C" in order to be allowed to continue in the Faculty of Education. Only one repeat of the course will be allowed, or
2. be withdrawn from the Faculty of Education.

c) Students will not be allowed to register for the next compulsory education course and practicum until they have completed the previous compulsory education course and practicum.

d) If a student is placed on probation, suspension or not allowed to continue status at the end of the Fall Term, they will be immediately withdrawn from any ongoing or Winter Term Education or practicum courses.

e) If a student is placed on probation, suspension or not allowed to continue status at the end of the Winter Term, they will be immediately withdrawn from any ongoing Spring or Summer Education or practicum courses.

f) If, during a repeat attempt, the student withdraws from the course and/or practicum, this is considered an unsuccessful attempt and the student will be withdrawn from the Program.

II. Rules and Regulations Governing Years 4 and/or 5 (Certification) of the Integrated Program

a) Students must apply to enter the certification portion of the program. Generally this application must be received by mid-January for certification in September of that year. In order to be eligible to enter certification year 4 students must have completed 91 credit hours of the appropriate coursework for their stream with an overall grade point average of 2.0 and an average of 2.0 in their major. In order to be eligible to enter certification year 5 students must have completed all year 4 requirements.

b) Students who have been accepted into certification year 4 or 5 and who are unable to attend can have their space in the program held for a maximum of one year. If, after this year, the student is still unable to attend they will be withdrawn from the program and must re-apply. Readmission to the program is subject to review and is not guaranteed.

c) The Curriculum, Instruction and Assessment courses and practicum blocks are tied and must be completed together. For students in the Early Years, Early/Middle Years and Middle Years streams this means that the following courses must be registered for concurrently:

EDUC-4835(1)-EDUC-4842(3) Early Years Curriculum, Instruction and Assessment (all areas) and Practicum Blocks I and II, EDUC-4843(1)-EDUC-4850(3) Middle Years Curriculum, Instruction and Assessment (all areas) and Practicum Blocks III and IV.

For students in the Senior Years stream the following courses must be registered for concurrently: Senior Years Curriculum, Instruction and Assessment: Major and Senior Years Curriculum, Instruction and Assessment: Minor and Practicum Blocks I and II, and Senior Years Curriculum, Instruction and Assessment: Alternative and Practicum Blocks III and IV.

d) The BEd Office will assign students to particular sections of Curriculum, Instruction and Assessment courses and students may have a restricted choice of elective courses. Students must adhere to the timetable to which they have been assigned.

e) Students are required to attend the "start of school" experience which takes place at the beginning of the school year in each of years 4 and 5. Typically this takes place in late August before university lectures begin and is an integral part of the practicum component of certification.

Students who do not attend the start of school experience will be asked to withdraw from certification for that year.

f) Several credit bearing components of certification (e.g., Professional Development Workshops, Capstone courses, practicum blocks) will take place outside of the regularly scheduled university year. Students will be provided with these dates in advance and will be expected to be available for all the components.

g) Certification year students are expected to be available for classes on a full-time basis every day from 8:30 a.m. - 6:30 p.m. All other activities or commitments must be worked around the assigned timetable. Students who cannot make this commitment are advised to defer their certification.

- h) Students who receive a grade less than “C” in Curriculum, Instruction and Assessment courses or who fail a block of practicum will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following:
1. That the student be required to repeat the course(s) and/or practicum. Generally if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. When required to repeat a course the student will be expected to achieve a minimum grade of “C” in order to be allowed to continue in the Faculty of Education. Only one repeat of the course will be allowed.
 2. If a student receives a grade of “D” in a Curriculum, Instruction and Assessment course, the Committee may recommend that the student be allowed to continue on to the next year or graduate if all other requirements have been met.
 3. That the student be withdrawn from the Faculty of Education.
- i) In order to be eligible to enter Year 5, students must have completed all Year 4 requirements. Students who do not complete certification year 4 or certification year 5 in the allotted time will have their status in the Faculty of Education reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following. That the student:
1. be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course, or
 2. be withdrawn from the Faculty of Education.
- j) Due to the fact that Curriculum, Instruction and Assessment courses and practicum blocks are tied and must be completed together, students may not withdraw from some C, I & A courses while remaining in others.
- k) Students will have one attempt to repeat the Curriculum, Instruction and Assessment portion and/or practicum of either year 4 or year 5 but not both. Students who do not successfully complete certification years 4 and 5 within the allotted time period will have their status reviewed by the Performance Review Committee and may be withdrawn from the program.
- l) Certification students who are placed on probation, suspension or not allowed to continue status will be removed from the BEd Program. If the student is placed on probation, suspension or not allowed to continue status at the end of the Fall Term, they will be immediately withdrawn from any ongoing or Winter Term Education or practicum courses.
- m) If, during a repeat attempt, the student withdraws from the course and/or practicum this is considered an unsuccessful attempt and the student will be withdrawn from the Program.

III. Rules and Regulations Governing the After-Degree Program

- a) Students who have been accepted into the After-Degree Program but who do not register or begin classes will be withdrawn from the program. They will not be able to “hold” their spot in the program. Such students may reapply at a future date but as admission is dependent on the qualifications of the pool of applicants each year, subsequent admission is not guaranteed. After-Degree students are admitted to the program on the basis of the stream that they select when they apply. Therefore, they cannot change streams once they have been accepted.
- b) The After-Degree Program must be taken on a full-time basis as the Curriculum, Instruction and Assessment courses and practicum blocks are tied and must be completed together. For students in the Early Years, Early/Middle Years and Middle Years streams this means that the following courses must be registered for concurrently: EDUC-4835(1)-EDUC-4842(3) Early Years Curriculum, Instruction and Assessment (all areas) and Practicum Blocks I and II, EDUC-4843(1)-EDUC-4850(3) Middle Years Curriculum, Instruction and Assessment (all areas) and Practicum Block III and IV. For students in the Senior Years stream the following courses must be registered for concurrently: Senior Years Curriculum, Instruction and Assessment: Major and Senior Years Curriculum, Instruction and Assessment: Minor and Practicum Blocks I and II, and Senior Years Curriculum, Instruction and Assessment: Alternative and Practicum Blocks III and IV.
- c) The Faculty of Education Office will assign students to particular sections of Curriculum, Instruction and Assessment courses and students may have a restricted choice of elective courses. Students must adhere to the timetable to which they have been assigned.
- d) After-Degree students are required to attend the “start of school” experience which takes place at the beginning of the school year in each of years 1 and 2. Typically this takes place in late August before university lectures begin and is an integral part of the practicum component of the program. Students who do not attend the start of school experience will be withdrawn from the Faculty of Education.
- e) Some components of years 1 and 2 (e.g. practicum blocks) will take place outside of the regularly scheduled university year. Students will be provided with these dates in advance and will be expected to be available for all the components.
- f) Certification year students are expected to be available for classes on a full-time basis every day from 8:30 a.m. - 6:30 p.m. All other activities or commitments must be worked around the assigned timetable. Students who cannot make this commitment are advised to defer their certification.
- g) After-Degree students who receive a grade less than C in EDUC-4002(6) Foundations of Teaching and Learning will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following:
1. That the student be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. When required to repeat a course the student will be expected to achieve a minimum grade of “C” in order to be allowed to continue in the BEd Program. Only one repeat of the course will be allowed. Due to the sequential nature of the After-Degree Program students who are required to repeat courses must wait for the following September in order to do this, or
 2. The Committee may recommend that the student be allowed to continue on to the next year if all other requirements have been met.
 3. That the student be withdrawn from the Faculty of Education.
- h) Students who receive a grade less than “C” in Curriculum, Instruction and Assessment courses or who fail a block of practicum will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following:
1. That the student be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. When required to repeat a course the student will be expected to achieve a minimum grade of “C” in order to be allowed to continue in the Faculty of Education. Only one repeat of the course will be allowed.

2. If a student receives a grade of "D" in a Curriculum, Instruction and Assessment course, the Committee may recommend that the student be allowed to continue on to the next year or graduate if all other requirements have been met.
3. That the student be withdrawn from the Faculty of Education.

i) In order to be eligible to enter year 2, students of the After-Degree Program must have completed all year 1 requirements. Students who do not complete years 1 and/or 2 in the allotted time will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following. That the student:

1. be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. Due to the sequential nature of the After-Degree Program students who are required to repeat courses must wait for the following September in order to do this, or
2. be withdrawn from the Faculty of Education.

j) Due to the fact that Curriculum, Instruction and Assessment courses and practicum blocks are tied and must be completed together, students may not withdraw from some C, I & A courses while remaining in others.

k) Students will have one attempt to repeat the Curriculum, Instruction and Assessment portion and/or practicum of either year 1 or year 2 but not both. Students who do not successfully complete certification years 1 and 2 within the allotted time period will have their status reviewed by the Performance Review Committee and may be withdrawn from the Faculty.

l) If, during a repeat attempt, the student withdraws from the course and/or practicum this is considered an unsuccessful attempt and the student will be withdrawn from the Faculty of Education.

IV. Rules and Regulations Governing Certification in the Joint UW/RRC Program

a) Students must apply to enter the certification portion (Year 5) of the program. Generally this application must be received by mid-January for certification in September of that year. In order to be eligible to enter certification year 5 students must have completed 123 credit hours of the appropriate coursework for their program with an overall grade point average of 2.0 and an average of 2.0 in their major. The UW Arts or Science major must be completed before entering Year 5.

b) Students who have been accepted into certification year 5 and who are unable to attend can request to have their space in the program held for a maximum of one year. If, after this year, the student is still unable to attend they will be withdrawn from the program and must be re-apply. Readmission to the program is subject to review and is not guaranteed.

c) The Curriculum, Instruction and Assessment courses and practicum blocks are tied and must be completed together. The following courses must be registered for concurrently: Senior Years Curriculum, Instruction and Assessment: Major and EDUC-4884(3) Practicum Block - Red River College.

d) The Faculty of Education Office will assign students to particular sections of Curriculum, Instruction and Assessment courses and students may have a restricted choice of elective courses. Students must adhere to the timetable to which they have been assigned.

e) Students are required to attend the "start of school" experience which takes place at the beginning of the school year in year 5. Typically this takes place in late August before university lectures begin and is an integral part of the practicum component of certification. Students who do not attend the start of school experience will be asked to withdraw from certification for that year.

f) Practicum blocks will take place outside of the regularly scheduled university year. Students will be provided with these dates in advance and will be expected to be available for all the components.

g) Certification year students are expected to be available for classes on a full-time basis every day from 8:30 a.m - 6:30 p.m. All other activities or commitments must be worked around the assigned timetable. Students who cannot make this commitment are advised to defer their certification.

h) Students who receive a grade less than "C" in Curriculum, Instruction and Assessment courses or who fail a block of practicum will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following:

1. That the student be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. When required to repeat a course the student will be expected to achieve a minimum grade of "C" in order to be allowed to continue in the Faculty of Education Program. Only one repeat of the course will be allowed, or
2. If a student receives a grade of "D" in a Curriculum, Instruction and Assessment course, the Committee may recommend that

the student be allowed to continue on to the next year or graduate if all other requirements have been met.

3. That the student be withdrawn from the Faculty of Education.

i) Students who do not complete certification year 5 in the allotted time will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following. That the student:

1. be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course, or
2. be withdrawn from the Faculty of Education.

j) Due to the fact that Curriculum, Instruction and Assessment courses and practicum blocks are tied and must be completed together, students must withdraw from certification year 5 if they are not able to complete both the Curriculum, Instruction and Assessment course and the practicum concurrently.

k) Students will have one attempt to repeat the Curriculum, Instruction and Assessment portion and/or practicum of year 5. Students who do not successfully complete certification year 5 within the allotted time period will have their status reviewed by the Performance Review Committee and may be withdrawn from the Faculty of Education.

l) Certification students who are placed on probation, suspension or not allowed to continue status will be removed from the BEd Program. If the student is placed on probation, suspension or not allowed to continue status at the end of the Fall Term, they will be immediately withdrawn from any ongoing or Winter Term Education or practicum courses.

m) If, during a repeat attempt, the student withdraws from the course and/or practicum this is considered an unsuccessful attempt and the student will be withdrawn from the Faculty of Education.

V. Rules and Regulations Governing Practicum Placements

A) Integrated Program and After Degree Program

1. All placements will be arranged by the Student Teaching Office. Students are not allowed to arrange their own placement. All student teaching placements will be guided by the following:
 - a) students will have at least one placement in a school with inner-city characteristics
 - b) students will experience a variety of grade levels and subject areas within their chosen stream as well as at least one placement within another stream
 - c) students will be placed in more than one school division
 - d) In order to avoid a conflict of interest or a perception of conflict of interest, whenever possible students will not be placed in schools where:
 - they are currently employed;
 - they have been employed in the past;
 - they have volunteered;
 - family members attend or are employed by the school.
2. Adjustments to the practicum dates or to the prescribed format of the practicum will not be considered. Student teaching must be completed in the manner it is scheduled (e.g. one day per week, five week block) and during the dates that are provided.
3. Students who are placed on probation, suspension or not allowed to continue status at the end of the Fall Term, will be immediately withdrawn from any ongoing or Winter Term Education or practicum courses.
4. Eligibility for a student teaching practicum requires that students be eligible for provincial certification. Students who are ineligible for practicum will be withdrawn from the Faculty of Education.
5. Students who, after admission, show an inadequate command of spoken or written English which interferes with their ability to communicate effectively in a classroom will have to complete a proficiency test conducted by a University of Winnipeg designate. Students may be required to take further courses to improve their English which may result in withdrawal from the Faculty of Education. Continuation in the B.Ed. Program will be contingent upon approval from the Language Assessment Evaluators and the Director of Student Teaching.

B) Business, Industrial Arts and Aboriginal Language Teacher Education (Integrated and After Degree Programs)

1. Students in the Joint UW/RRC Business, Industrial Arts and Aboriginal Language Teacher Education programs are required to complete one block of student teaching in their Arts or Science major (Integrated Programs) or minor (After Degree programs).
2. All placements will be arranged by the Student Teaching Office. Students are not allowed to arrange their own school placement.
3. Students must be registered in the appropriate Senior Years Curriculum, Instruction and Assessment course when undertaking the practicum block.
4. Students may complete this block in either the Fall or Winter term.
5. Students are advised that if they have outstanding practicum requirements to complete at RRC, they will generally be required to complete the block in the Fall term.
6. Students must attend a "Start of School" experience, which takes place approximately the end of August. Students who do not participate in the Start of School experience will have their registration in the practicum block, as well as the associated Senior Years Curriculum, Instruction and Assessment course(s) cancelled.
7. Students are advised that the dates of their practicum block may fall outside of the regularly scheduled academic year.
8. Students will be required to spend two half days per week in their host school in the same term in which they will be completing their block. Students must ensure that they leave room in their timetable to accommodate this component of the practicum requirement.
9. Eligibility for a student teaching practicum requires that students be eligible for provincial certification. Students who are ineligible for practicum will be withdrawn from the Faculty of Education.

C) Vocational Teacher Education

1. Students in the Joint UW/RRC Vocational Teacher Education program are required to complete one block of practicum in their Arts or Science minor.
2. Placements will be coordinated by the Student Teaching Office.
3. Students will take 6 credit hours of Senior Years Curriculum, Instruction and Assessment.
4. Students who are completing courses on a full time basis will register for Curriculum, Instruction and Assessment courses relevant to their minor, and must register for their practicum block concurrently.
5. Students who hold full-time teaching positions, and who are therefore pursuing their university studies on a part-time basis, may take a General Curriculum, Instruction and Assessment course. These students may complete their practicum block either concurrently, or upon completion of this course.
6. Students are advised that the dates of their practicum block may fall outside of the regularly scheduled academic year.
7. Eligibility for a student teaching practicum requires that students be eligible for provincial certification. Students who are ineligible for practicum will be withdrawn from the Faculty of Education.

D) Withdrawing from Practicum - All Programs

1. Students wishing to withdraw from practicum courses (EDUC-2512(1), EDUC-2514(1), EDUC-3811(2), EDUC-3814(2), EDUC-4872(2.5) - EDUC-4883(2.5)) must first notify the Student Teaching Office.
2. In all cases where it is possible, the Student Teaching Office will recommend an extension to practicum rather than a withdrawal.
3. Students in years 4 and 5 (or After Degree Years 1 and 2) who are in the extended blocks of practicum, must have documented medical reasons or other documented extenuating circumstances (e.g. death in the family) to withdraw from their practicum at any time throughout the course.
4. Students should note that some practicum (i.e. blocks) may only be repeated once.
5. Students who are repeating practicum as a ruling of the Performance Review Committee and who withdraw from the practicum will be considered to have made an unsuccessful attempt and the student will be withdrawn from the Faculty of Education.

VI. Performance Contracts

In some cases, students may be required to sign a Performance Contract in order to remain in the Faculty of Education.

- a) Failure to sign the contract will result in removal from the Faculty of Education.
- b) Failure to comply with the conditions of the contract can result in removal from the Faculty of Education.

VII. Appeals and the Faculty of Education

a) Deferred Exams, Incomplete Term Work, and Grade Appeals

1. Students are directed to *Section VII Academic Regulations and Policies, 8. Appeals* for information on these appeals and deadlines.

b) BEd Performance Review Committee (PRC)

1. The Faculty of Education Performance Review Committee deals with the following items:

- Students in the Integrated BEd Program who receive grades below C in EDUC-2511(3) Learning Theory or EDUC-3810(6) Teaching/Learning and the K-8 Curriculum.
 - Students in the Integrated Program who do not pass EDUC-1810(3) (previously EDUC-2800(3) Service Learning), EDUC-2512(1) Learning Theory Practicum or EDUC-2514(1) Learning Theory Practicum (WEC) or EDUC-3811(2) Teaching/Learning and the K-8 Curriculum Practicum or EDUC-3814(2) Teaching/Learning and the K-8 Curriculum Practicum (WEC).
 - Students in the Joint UW/RRC Program who receive grades below C in EDUC-2513(3) Learning Theory (RRC).
 - Students in the After Degree Program who receive grades below C in EDUC-4002(6) Foundations of Teaching and Learning.
 - Students who receive grades below C in Curriculum, Instruction and Assessment courses.
 - Students who fail a block of practicum.
 - Students who do not complete certification year or who do not complete the certification portion of the program within the allotted time.
 - Students who wish to enter certification and who have not met the minimum requirements (i.e., completion of 91 c.h. with an overall average of 2.0 and a 2.0 average in the major)
 - Readmissions to the program in relation to currency requirements.
 - Students who are removed from their school placement at the request of the host school.
 - Students for whom a placement cannot be secured due to the conditions of a Performance Contract.
 - Any other issues that may arise related to the performance of students in the program.
2. The PRC typically meets in January and May of each year.
3. Students will be notified in writing of the decision of the PRC.
4. Students may meet with the Dean of Education for explanation or clarification of the PRC decision.
5. Students wishing to appeal the PRC decision beyond the Education Program should direct an appeal to the Senate Appeals Committee.
6. There are two grounds for appealing the decision of the PRC:
- The student has reason to believe that all pertinent information was not available when the case was considered by the PRC.
 - The student has reason to believe and can demonstrate that the PRC did not give the appeal a fair hearing.
7. Students have 15 working days from the date of the written decision of the PRC to submit an appeal to the Senate Appeals Committee.

VIII. Currency Requirement

Students who withdraw from the program and seek readmission at a later date are advised that education courses completed more than 5 years prior to readmission will be reviewed for currency. Students may be required to repeat some or all of these courses.

IX. Standards of Professional Conduct for Pre-Service Teachers

1. The Faculty of Education at the University of Winnipeg is committed to maintaining its students' freedom of thought, belief, opinion and expression. As a professional program we are committed to assisting students in becoming professionals. The Faculty of Education has the responsibility of fostering the academic freedom of students within the context of professional standards of conduct and also has the responsibility of fostering the academic freedom of students with respect for the needs of the learner. The standards describe professional characteristics and behaviours students are expected to develop and demonstrate during practicum and course work. Students who do not demonstrate these professional standards may be referred to the Faculty of Education Performance Review Committee.

- a) In keeping with the Canadian Charter of Rights and Freedoms the student will respect the dignity and rights of all persons.
- b) The student acts in a responsible manner which includes being punctual, dependable and trustworthy in class and during practicum.
- c) The student maintains positive interpersonal relationships with peers, faculty, school personnel and pupils by contributing, cooperating, participating and working with others in a professional manner.
- d) The student demonstrates a commitment to teaching by taking initiative, showing enthusiasm, and showing an interest in learning about teaching.
- e) The student directs any criticism of the professional activity of others to that person and only then, after informing them of the intent to do so, may direct in confidence the criticism to appropriate officials. It shall not be considered a breach of this clause to report reasonable grounds for suspecting child abuse to proper authorities according to legal requirements.
- f) The student respects the confidentiality of information about pupils, peers, school personnel, or faculty received in confidence or in the course of professional duties.

2. Professional Misconduct

As future educators, Faculty of Education students are expected to model and encourage appropriate learning behaviours in themselves and their peers. Recognizing that they are part of a class and that their behaviour and attitude has an impact on the class, the goal of all our students should be to create a positive learning environment where they learn from the instructor and each other. Faculty of Education students are expected to recognize the important and crucial role of the instructor in the learning process and to award their instructors the respect and authority which is inherent in the role.

Professional Misconduct can include, but is not restricted to, the following:

- a) Persistent failure to attend class
- b) Persistent disruptive behaviour in class such as:
 - talking in class during lectures or presentations
 - arriving late for class and/or leaving class early
 - use of cell phone in class

- c) Persistent lack of participation in class activities
- d) Persistent inability to function in a group setting
 - non-contribution to group activities
 - behaviour causing negative impact on group
- e) Persistent negative or disrespectful attitude
- f) Persistent disregard for the role and authority of the instructor

Gross misconduct is defined as, but not limited to, intoxication (whether from alcohol or drugs), fighting or other physical abuse, indecent behaviour, theft, serious breaches of health and safety rules, uttering threats, offensive behaviour (such as discrimination, harassment, bullying, abuse and violence) and gross insubordination.

Grievance procedures may be lodged against a student under the Standards of Professional Conduct for Pre-Service Teachers. These procedures are outlined in the "Faculty of Education Grievance Resolution Procedures" document.

X. Attendance Policy

The Bachelor of Education Program leads to a professional degree. Accordingly, students are expected to attend, be punctual and participate in all classes. These expectations acknowledge their importance for the teaching and learning process and the professional responsibilities of teachers. These expectations are implicit in Education courses, but may be emphasized explicitly in addition to the University of Winnipeg's academic regulations concerning attendance (see section Regulations & Policies, 3a Attendance).

Students are encouraged to volunteer and participate in extra-curricular activities in their host schools. However, students must ensure that no conflict occurs between the school activity and their coursework. Student Teachers are not to miss University classes for school activities.

XI. Professional Development

The Faculty of Education prides itself on preparing well-rounded professional teachers who are committed to life-long learning and professional development. In keeping with this goal the faculty offers a professional development program each year for all students designed to supplement their regular coursework. This non-credit program is voluntary but students are strongly encouraged to participate in order to enhance their understanding of the classroom context and to develop additional skills beyond those acquired through academic and practicum courses. Participation in the program is considered a professional responsibility and in keeping with the expectations that will be held for them in their role as a classroom teacher.

The Professional Development Program consists of a series of seminars offered throughout the fall and winter terms. They are typically offered no more than once a week for an hour during the free slot and the topics are posted in advance. The series concludes each term well before the start of the exam period. Students receive a participation certificate for attendance at each seminar. Many students opt to include these certificates in their teaching portfolios as an indication of their commitment to professional development and the practice of life-long learning.

The topics covered in the professional development sessions are varied. They are designed to provide information and ideas that are supplementary to students' coursework but which relate to the role of the classroom teacher. Many of the sessions are delivered by representatives of organizations whose activities are related to and supportive of the educational process in schools. Others are delivered by university faculty. The topics vary each year but a representative sample of the topics includes the following:

Working with Behaviorally and/or Emotionally At-Risk Children and Youth.
 Violence and Abuse Prevention
 Developing Resiliency in Youth Through Mentoring
 Teaching in an International Setting
 Summer Projects for Inner City Children and Youth
 Overcoming Math Anxiety in Pre-Service Teachers

XII. Removal from Faculty of Education

- a) Students may be removed from the University of Winnipeg, Faculty of Education programs for one or more of the following reasons:
 1. Failure to meet or maintain academic grade-point requirements as established by the University of Winnipeg and the Faculty of Education. In the case of academic Probation or Not Allowed to Continue Status, withdrawal is automatic and will take place without a review or further procedure.
 2. As a result of a ruling by the Performance Review Committee (see Faculty of Education Program Rules and Regulations in the General Calendar for more information).
 3. As a result of behaviour judged to be in violation of the Manitoba Teachers Society Code of Professional Practice or the Standards of Professional Conduct for Pre-Service Teachers or for Professional Misconduct (see Section IX of Faculty of Education Rules and Regulations in the General Calendar for more information).
 4. Failure to sign a Performance Contract.
 5. Non-compliance with the conditions of a Performance Contract.
 6. Ineligibility for a practicum placement.
 7. As the result of a change in the status of a Criminal Record or Child Abuse Registry entry.
 - Students who appear on the Child Abuse Registry will be immediately withdrawn from the Faculty and any ongoing Education courses.
 - Students reporting a change in the status of their criminal record will have their case evaluated by the Legal Records Check Committee. They will be informed of the Committee's decision in writing. Students who are not allowed to continue in the Faculty of Education will be immediately withdrawn from the Faculty and any ongoing Education courses.
 8. As a result of academic or non-academic misconduct.
- b) In the case of gross misconduct, students will be removed from practicum and immediately suspended from their courses in Education until the case is reviewed by the Dean and a final decision is made.
- c) Removal from the Faculty of Education means the student will be withdrawn from all Education courses, removed from practicum, and removed from any Faculty of Education sponsored or affiliated activities (i.e. mentoring sites, WESTCAST, international teaching opportunities, Contact to Contract, etc.)

TEACHING MAJORS/MINORS/CONCENTRATIONS AND REQUIRED COURSES

Teaching areas and required courses are summarized in Tables I, II and III located at the end of this section.

COURSE LISTINGS

EDUC-1801(3)	Education Today: An Introduction to Teaching	EDUC-4837(1)	Early Years Curriculum, Instruction and Assessment: Physical Education/Health Education
EDUC-1802(3)	Education Today: An Introduction to Teaching (WEC)	EDUC-4838(3)	Early Years Curriculum, Instruction and Assessment: Reading and the English Language Arts
EDUC-1810(3)	Educational Leadership within a Service-Learning Framework (previously EDUC-2800(3))	EDUC-4839(3)	Early Years Curriculum, Instruction and Assessment: Mathematics
EDUC/CRS-2232(3)	Introduction to Conflict Resolution in Educational Settings	EDUC-4840(1)	Early Years Curriculum, Instruction and Assessment: Music
EDUC/CRS-2242(3)	Methods of Conflict Resolution in Educational Settings	EDUC-4841(3)	Early Years Curriculum, Instruction and Assessment: Science
EDUC-2511(3)	Learning Theory	EDUC-4842(3)	Early Years Curriculum, Instruction and Assessment: Social Studies
EDUC-2512(1)	Learning Theory Practicum	EDUC-4843(1)	Middle Years Curriculum, Instruction and Assessment: Art
EDUC-2513(3)	Learning Theory (RRC)	EDUC-4844(1)	Middle Years Curriculum, Instruction and Assessment: Drama
EDUC-2514(1)	Learning Theory Practicum (WEC)	EDUC-4845(1)	Middle Years Curriculum, Instruction and Assessment: Physical Education/Health Education
EDUC-2530(3)	Inclusive Approaches to Teaching Exceptional Students (previously EDUC-4501(3))	EDUC-4846(3)	Middle Years Curriculum, Instruction and Assessment: Reading and the English Language Arts
EDUC-3310(3)	Advanced Educational Leadership within a Project-Based Service Learning Framework	EDUC-4847(3)	Middle Years Curriculum, Instruction and Assessment: Mathematics
EDUC-3400(3)	Educational Settings and the Sociology of Learning	EDUC-4848(1)	Middle Years Curriculum, Instruction and Assessment: Music
EDUC-3810(6)	Teaching/Learning and the K-8 Curriculum	EDUC-4849(3)	Middle Years Curriculum, Instruction and Assessment: Science
EDUC-3811(2)	Teaching/Learning and the K-8 Curriculum Practicum	EDUC-4850(3)	Middle Years Curriculum, Instruction and Assessment: Social Studies
EDUC-3814(2)	Teaching/Learning and the K-8 Curriculum Practicum (WEC)	EDUC-4851(1)	Professional Development Workshop
EDUC-4000(3)	Special Topics in Education	EDUC-4852/5	Senior Years Curriculum, Instruction and Assessment: Alternative
EDUC-4001(3)	Independent Study	EDUC-4853(3)	Senior Years Curriculum, Instruction and Assessment: Biology
EDUC-4002(6)	Foundations of Teaching and Learning	EDUC-4854(3)	Senior Years Curriculum, Instruction and Assessment: Chemistry
EDUC-4102(3)	Introduction to Teaching English as an Additional language	EDUC-4855(6)	Senior Years Curriculum, Instruction and Assessment: English
EDUC-4400(3)	Critical Pedagogy and Student Diversity	EDUC-4856(6)	Senior Years Curriculum, Instruction and Assessment: French
EDUC-4401(3)	Just and Effective Schools	EDUC-4857(3)	Senior Years Curriculum, Instruction and Assessment: Geography
EDUC-4403(3)	Education for Multicultural Settings	EDUC-4858(3)	Senior Years Curriculum, Instruction and Assessment: German
EDUC-4404(3)	The School System: Structure and Dynamics	EDUC-4859(3)	Senior Years Curriculum, Instruction and Assessment: Health
EDUC-4405(3)	Inner-City Teaching Practices	EDUC-4860(6)	Senior Years Curriculum, Instruction and Assessment: History
EDUC-4406(3)	Programming for Special Needs	EDUC-4861(6)	Senior Years Curriculum, Instruction and Assessment: Mathematics
EDUC-4407(3)	Enrichment and Talent Development	EDUC-4863(3)	Senior Years Curriculum, Instruction and Assessment: Kinesiology
EDUC-4408(3)	Issues with At-Risk Children and Youth	EDUC-4864(3)	Senior Years Curriculum, Instruction and Assessment: Physics
EDUC-4409(3)	Mentoring At-Risk Youth	EDUC-4865(3)	Senior Years Curriculum, Instruction and Assessment: Theatre & Drama
EDUC-4410(3)	Introduction to Aboriginal Education	EDUC-4866(3)	Senior Years Curriculum, Instruction and Assessment: History and Philosophy of Science and Science Teaching
EDUC-4600(3)	Critical Literacy for Empowerment	EDUC-4867(3)	Senior Years Curriculum, Instruction and Assessment: Performance Production
EDUC-4601(3)	Computer Assisted Multi-Media Learning	EDUC-4868(3)	Curriculum, Instruction and
EDUC-4602(3)	Senior Years Curriculum, Instruction and Assessment: Integrating Technology into Senior Years Teaching		
EDUC-4700(3)	The Adult Learner: An Introduction to Adult Education		
EDUC-4701(3)	Creating and Managing Effective Learning Environments		
EDUC-4820(3)	Early Years Education		
EDUC-4821(3)	Middle Years Education		
EDUC-4835(1)	Early Years Curriculum, Instruction and Assessment: Art		
EDUC-4836(1)	Early Years Curriculum, Instruction and Assessment: Drama		

EDUC-4869(3)	Assessment: Principles of Learning French as a Second Language Senior Years Curriculum, Instruction and Assessment: Theory of Science Teaching	EDUC-5401(3)	Creative Problem Solving
EDUC-4870(3)	Senior Years Curriculum, Instruction and Assessment: Literacy Across the Curriculum	EDUC-5402(3)	Expanding Gifted Education
EDUC-4871(6)	Senior Years Curriculum Instruction and Assessment: Curriculum Design	EDUC-5403(3)	Meeting the Needs of FAS/FAE Students
EDUC-4872(2.5)	Practicum Block I - Early Years	EDUC-5404(3)	Reaching the ADHD Child
EDUC-4873(2.5)	Practicum Block I - Middle Years	EDUC-5405(3)	Reclaiming Troubled Children and Youth
EDUC-4874(2.5)	Practicum Block I - Senior Years	EDUC-5406(3)	Steps to Achieving Real-life Skills
EDUC-4875(2.5)	Practicum Block II - Early Years	EDUC-5407(3)	Teaching At-Risk Readers
EDUC-4876(2.5)	Practicum Block II - Middle Years	EDUC-5408(3)	Teaching At-Risk Students in the Inner-City School
EDUC-4877(2.5)	Practicum Block II - Senior Years	EDUC-5410(3)	Understanding and Responding to Learning Disabilities
EDUC-4878(2.5)	Practicum Block III - Early Years	EDUC-5411(3)	Youth Violence in Schools
EDUC-4879(2.5)	Practicum Block III - Middle Years	EDUC-5412(3)	Gifted Education in the Inner-City
EDUC-4880(2.5)	Practicum Block III - Senior Years	EDUC-5420(3)	Introduction to School Guidance and Counselling
EDUC-4881(2.5)	Practicum Block IV - Early Years	EDUC-5421(3)	Theories and Issues in School Counselling
EDUC-4882(2.5)	Practicum Block IV - Middle Years	EDUC-5422(3)	Early and Middle Years School Counselling
EDUC-4883(2.5)	Practicum Block IV - Senior Years	EDUC-5423(3)	Senior Years School Counselling
EDUC-4884(3)	Practicum Block - Red River College	EDUC-5424(3)	Group Guidance and Counselling in School Settings
EDUC-4887(2.5)	Supplemental Practicum	EDUC-5425(3)	Counselling Ethics for Canadian School Settings
EDUC-4890(3)	Senior Years Curriculum, Instruction And Assessment: General Methods	EDUC-5426(3)	School Counselling Practicum Skills
EDUC-4891(3)	Practicum Block - Vocational Education	EDUC-5427(3)	Supervised School counseling Practicum
EDUC-5001(3)	Special Topics in Education		

COURSE DESCRIPTIONS

EDUC-1801(3) EDUCATION TODAY: AN INTRODUCTION TO TEACHING (Le3) This course offers a survey for those interested in the Manitoba K-S4 education system. Its major objective is to further students' understanding of the relevant social, legal, and political factors that provide the context for life in the classroom and for the teacher-student relationship.
RESTRICTIONS: Students may not receive credit for both EDUC-1801(3) and the former EDUC-1001(3) or EDUC-1002(3).

EDUC-1802(3) EDUCATION TODAY (WEC): AN INTRODUCTION TO TEACHING (Le3) This course offers a survey for those interested in the Manitoba K-S4 education system. Its major objective is to further students' understanding of the relevant social, legal, and political factors that provide the context for life in the classroom and for the teacher-student relationship. This course is intended for students admitted to the Winnipeg Education Centre program. Students in this course will have a practicum experience consisting of a half-day per week for 10 weeks, plus an eight day block,
RESTRICTIONS: Students may not receive credit for both EDUC-1802(3) and Educ-1801(3) or the former EDUC-1001(3) or EDUC-1002(3).

EDUC-1810(3) EDUCATIONAL LEADERSHIP WITHIN A SERVICE-LEARNING FRAMEWORK (LeV, AV) Service-learning is an educational approach that integrates service in the community with intentional learning outcomes. By providing students with the opportunity to frame theoretical learning in real-life situations, service-learning leads students to broaden their horizons and to change their perspectives on their participation as citizens of a diverse democracy. This course utilizes a methodology that combines academic instruction, meaningful service and critical reflective thinking to promote student learning and civic responsibility. Students should have flexibility in their schedule as they must complete 40 hours of community

service at a designated site as part of the course requirements.

RESTRICTIONS: Students may not receive credit for both EDUC-1810(3) and the former EDUC-2800(3).

EDUC-2232(3) INTRODUCTION TO CONFLICT RESOLUTION IN EDUCATIONAL SETTINGS (Le3) This course will present an introduction to the theory and methods of conflict resolution, with special emphasis on conflict in educational settings. The course will help students to understand the nature of human conflict, responses to conflict, and models for constructive ways to deal with conflict between and among individuals and groups. Topics will include anger, power, creative dimensions of conflict, and mediation. These will be examined from an interdisciplinary perspective.

RESTRICTIONS: Students may not hold credit in both this course and CRS/MSC-1200(6).

CROSS-LISTED: Conflict Resolution Studies CRS-2232(3).

EDUC-2242(3) METHODS OF CONFLICT RESOLUTION IN EDUCATIONAL SETTINGS (Le3) This course will provide practical applications of conflict resolution skills, for teaching conflict resolution and for the implementation of conflict management programs from elementary to secondary levels. Practical skills for conflict resolution in the classroom, in the home, in the peer group, and in staff relations will be developed. Areas of skill learning will include conflict mediation, listening skills, responding to anger and violence, and classroom management. A practicum component will be included to provide the opportunity to link theory to practice.

PREREQUISITES: EDUC/CRS-2232(3) and CRS/MSC-1200(6).

CROSS-LISTED: Conflict Resolution Studies CRS-2242(3).

EDUC-2511(3) LEARNING THEORY (Le3) This course is an introduction to psychological principles as they apply to the practice of teaching and learning within educational

contexts. The course will provide an overview of various learning theories and the implications each has for variables such as classroom interaction, motivation, instruction, assessment, and evaluation.

PREREQUISITES: EDUC-1801(3) or EDUC-1802(3) or EDUC-1810(3). Including the prerequisite course, students must have completed a minimum of 18 credit hours of course work.

COREQUISITES: EDUC-2512(1) or EDUC-2514(1).

RESTRICTIONS: Students may not receive credit for both EDUC-2511(3) and the former EDUC-2501(3).

This course may be taken only by students who have been admitted to the Faculty of Education.

EDUC-2512(1) LEARNING THEORY PRACTICUM (A) This course offers practical teaching experience in the schools under the guidance and supervision of practicum host teachers. Students complete 10 days of practicum over the fall or winter term. This course must be taken concurrently with EDUC-2511(3) and will be closely integrated with that course's assignments.

COREQUISITES: EDUC-2511(3).

EDUC-2513(3) LEARNING THEORY (RRC) (Le3) This course is an introduction to psychological principles as they apply to the practice of teaching and learning within educational contexts. The course will provide an overview of various learning theories and the implications each has for variables such as classroom interaction, motivation, instruction, assessment, and evaluation.

PREREQUISITE: This course may be taken by Education students in the joint UW/Red River College program only.

EDUC-2514(1) LEARNING THEORY PRACTICUM (WEC)

(A) This course offers practical teaching experience in the schools under the guidance and supervision of practicum host teachers. This course must be taken concurrently with EDUC-2511(3) and will be closely integrated with that course's assignments. Students in this course will have a practicum experience consisting of one day per week for 10 weeks, plus an eight day block.

COREQUISITES: EDUC-2511(3).

EDUC-2530(3) Inclusive Approaches to Teaching

Exceptional Students (Le3) This course addresses the relevant theories, delivery systems, assessment, adaptive programming, family and community involvement, and education services for children with mild to moderate cognitive, emotional, and behavioural special needs. Attention is paid to the mandated provincial curriculum and policies as well as professional, legal, ethical, and societal considerations. Students are expected to begin to link a theoretical perspective to a practical understanding of the wide-ranging issues of inclusive education in Manitoba schools.

PREREQUISITES: Educ-1801(3) or Educ-1802 (3) or Educ-1810(3); or admission to the After-Degree, Joint Red River College or Certified Teacher Programs.

RESTRICTIONS: Students may not receive credit for both EDUC-2530(3) and the former EDUC-4501(3).

EDUC-3310(3) ADVANCED EDUCATIONAL LEADERSHIP WITHIN A PROJECT-BASED SERVICE LEARNING

FRAMEWORK (Le3) Project-based service-learning is an educational approach in which students develop advanced leadership skills through the design, implementation, and evaluation of a community service project in the education field. By providing students with an opportunity to frame theoretical learning in real-life settings, project-based service-learning leads students to broaden their horizons and to change their perspectives as citizens of a diverse democracy. This course utilizes a methodology that combines academic instruction, project management,

meaningful service and critical reflective thinking to promote student learning and civic responsibility.

PREREQUISITES: EDUC-1810(3) and completion of 48 credit hours in the Integrated Program.

EDUC-3400(3) EDUCATIONAL SETTINGS AND THE SOCIOLOGY OF LEARNING (Le3)

This course is an introduction to the study of learning utilizing sociological principles. Social factors affecting teaching and learning will be examined. It will consider educational settings as learning environments, examining such features as the social characteristics of students, schools, and their surroundings, that have an impact on school performance. Some attention is given to a consideration of the relationship between school learning environments and educational reform.

EDUC-3810(6) TEACHING/LEARNING AND THE K-8 CURRICULUM (LeV)

This course will introduce students to the theory which underlies the teaching and learning process. Students will examine age appropriate teaching and learning strategies, methods of differentiated instruction and classroom management. The fundamentals of instructional design and assessment in lesson and unit planning will also be addressed. Students registering for this course must also register for the co-requisite practicum course which provides the experiential link from theory to practice.

PREREQUISITES: EDUC-2511(3) with a minimum grade of C, and EDUC-2512(1) or EDUC-2514(1). Including the prerequisite courses, students must have completed a minimum of 48 credit hours of course work.

COREQUISITE: EDUC-3811(2) OR EDUC-3814(2)

RESTRICTIONS: Students may not receive credit for both EDUC-3810(6) and EDUC-3801/4.5 or EDUC-3803/4.5.

EDUC-3811(2) TEACHING/LEARNING AND THE K-8 CURRICULUM PRACTICUM (A)

This course offers practical teaching experience in the schools under the guidance and supervision of practicum host teachers. Students complete 10 days of practicum in the fall term and 10 days of practicum in the winter term for a total of 20 days. This course must be taken concurrently with EDUC-3810(6) and will be closely integrated with that course's assignments.

PREREQUISITES: EDUC-2511(3) and EDUC-2512(1) or EDUC-2514(1).

COREQUISITES: EDUC-3810(6).

RESTRICTIONS: Students may not receive credit for both EDUC-3811(2) and EDUC-3811(1).5 or EDUC-3802(1).5 or EDUC-3804(1).5.

EDUC-3814(2) TEACHING/LEARNING AND THE K-8 CURRICULUM PRACTICUM (WEC) (A)

This course offers practical teaching experience in the schools under the guidance and supervision of practicum host teachers. Students complete 20 days of practicum over two terms (fall and winter) and an eight day block over two terms (fall and winter). This course must be taken concurrently with EDUC-3810(6) and will be closely integrated with that course's assignments.

PREREQUISITES: EDUC-2511(3) and EDUC-2514(1)

CERTIFICATION COURSES

NOTE: Courses at the 4000 level are normally reserved for Education students who have been admitted to the certification portion of the program and they are scheduled in a condensed format.

EDUC-4000(3) SPECIAL TOPICS IN EDUCATION (Le3)

This course will examine relevant issues and developments in education. Course content will vary from year to year. The topic of each course will be available to students prior to registration.

PREREQUISITE: To be determined on an individual course basis.

EDUC-4001(3) INDEPENDENT STUDY (D) In this course readings in a particular topic will be arranged between an individual student and an Instructor. Where appropriate, a practicum may also be included as part of the course.

PREREQUISITES: Written permission of the instructor and the Chair of the Departmental Review Committee.

EDUC-4002(6) FOUNDATIONS OF TEACHING AND LEARNING (Le3) This course consists of philosophical, psychological, and pedagogical foundations in Education. The course introduces psychological principles as they relate to the practice of teaching and learning within the educational context. Students examine the philosophy and goals of education in Manitoba and in other cultures, and are encouraged to develop their philosophical and pedagogical perspectives by examining current theory and practice. Teaching and learning are examined within the model of teacher decision-making that includes knowledge of the learner (learner characteristics); knowledge of the relationship of content, strategies, lessons and planning; and knowledge of methods (classroom organization, motivation, instruction and assessment).

RESTRICTIONS: This course may be taken by students in the After Degree Program only.

EDUC-4102(3) INTRODUCTION TO TEACHING ENGLISH AS AN ADDITIONAL LANGUAGE (Le3) This course provides an introduction to the field of Teaching English as a Second Language (TESL). It examines the scope of TESL; communicative competence; theories of English language teaching in relation to their linguistic, pedagogical, and socio-cultural presuppositions; and ESL instructional techniques.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3201(3).

RESTRICTIONS: May not be taken by students with standing in the former EDUC-2101(3).

EDUC-4400(3) CRITICAL PEDAGOGY AND STUDENT DIVERSITY (Le3) Critical pedagogy is a theoretical approach to understanding the classroom as a sphere of social action where it is possible to empower students by transforming the conditions that interfere with learning. This course applies principles of critical pedagogy to issues of classroom diversity, understood as a complex of ethnicity, economic class, gender, and other social differences that are often mobilized as axes of power in educational settings. Particular attention will be paid to the implications of critical pedagogy for teaching in inner city schools in Winnipeg, where there is a high incidence of poverty, marginalization and cultural diversity.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3401(3).

EDUC-4401(3) JUST AND EFFECTIVE SCHOOLS (Le)

This course is an inquiry into the meaning of just and effective schools as well as into the vision and process through which these schools are pedagogically and practically developed. The course focuses on educational issues such as inequities which may be eliminated through schools rather than reinforced; the hidden and expressed curriculae of schools; ethics and law in schooling; schooling as a moral, civic and academic enterprise; evaluation of students; and schooling which teaches the importance of process along with content. A consistent theme of the course is schooling which facilitates and promotes personal social growth as well as academic development of students.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6) or EDUC-4002(6).

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3402(3).

EDUC-4403(3) EDUCATION FOR MULTICULTURAL SETTINGS (Le3) This course will explore multiculturalism and multicultural education in Canada. Topics will include current issues that relate to identity, gender, race, human rights and special needs. Emphasis will be on relating theoretical discussions to practical classroom situations.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-2402(3).

EDUC-4404(3) THE SCHOOL SYSTEM: STRUCTURE AND DYNAMICS (Le3) This course will focus upon the structure and functions of the public school system at local, provincial and national levels. Emphasis will be on organizational, political, and legal aspects of the educational system as they relate to the classroom teacher.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6) or EDUC-4002(6).

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3002(3).

EDUC-4405(3) INNER-CITY TEACHING PRACTICES (Le3)

This course facilitates the integration of teaching theory with the realities of working in the inner city environment.

Students inquire into and subsequently develop an analysis of the primary factors which have an impact on teaching in and administration of inner city schools. The focus of the course is to interpret teaching practice as a way of bringing about a positive understanding of, and support for, the complex nature of inner-city schools.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3404(3).

EDUC-4406(3) PROGRAMMING FOR SPECIAL NEEDS (Le3, V)

This course enhances understanding of various special needs among students in inclusive early, middle and senior years school settings. Topics to be addressed include learning disabilities, ADHD, mild cognitive delays, autism, behaviour disorders, sensory impairments, and physical/health challenges. Aspects of special education service delivery also will be examined, including referral, assessment, IEP development, and adaptive programming. A flexible five half day practicum in a school setting will provide students with the experiential link from theory to practice. The practicum may be integrated within the student's current teaching block or a new placement will be arranged.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3501(3).

EDUC-4407(3) ENRICHMENT AND TALENT DEVELOPMENT (Le3)

This introductory course to gifted education considers philosophy, theoretical models, and issues such as acceleration, segregation versus integration, and appropriate teaching techniques. The course emphasizes practical strategies such as curriculum compacting, mentorship, creative problem solving, self-directed learning, and the development of theme units. Throughout, the general focus is on enrichment programming for talent development. A portion of the course may involve a practicum/mentoring placement, where students guide children or adolescents from a partnering school division (or divisions) through a higher order enrichment activity or project.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6) or EDUC-4002(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3502(3).

EDUC-4408(3) ISSUES WITH AT-RISK CHILDREN AND YOUTH (Le3)

This course is designed to familiarize students with many key issues and concepts in the domain of at-risk children and youth. Topics covered include reclaiming children and youth at risk, identifying and nurturing the talents of troubled young people, celebrating survivors and resilience, developmental assets, cultural variables, learning disabilities/Attention-Deficit/Hyperactivity Disorder, and mentoring. Attention will be paid to areas such as conflict resolution and anger management; social skills training; and exploring issues such as bullying, gangs and gang prevention, and strength-building prevention and treatment programs.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3503(3).

EDUC-4409(3) MENTORING AT-RISK YOUTH (Le3) This pass/fail course is designed to provide the experiential link between theory and practice in the at-risk domain. Students mentor youth with a variety of social/emotional and educational needs. Mentoring experiences may involve high-school students at-risk of dropping out of school, elementary and middle years gifted students, high school war affected youth, or students exhibiting needs in the area of literacy.

PREREQUISITES: EDUC-4407(3) or EDUC-4408(3).

EDUC-4410(3) INTRODUCTION TO ABORIGINAL EDUCATION (Le3)

The course explores Aboriginal education both past and present. It includes the transition from traditional Aboriginal education to Western education. Topics include, pre-contact education; traditional philosophies and life skills; the beginnings of Western education; early and present day Canadian government policies concerning Aboriginal education; stereotypes and racism that have resulted from government policies; residential schools; the transition from assimilation by segregation to assimilation by integration; Indian Control of Education; and Aboriginal education in the present. Special topics may include gender specific issues; Aboriginal Memorial Day; and learning topics by guest speakers.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

EDUC-4600(3) CRITICAL LITERACY FOR EMPOWERMENT (Le3)

This course focuses on using critical reading and writing in early, middle, and senior school years to decrease student alienation and promote stronger performance through an empowering approach to studying texts and language conventions. In particular, the focus is on written texts such as literary works, school textbooks, and curriculum documents; and on language conventions such as Standard English and social discourses that affect students' perceptions of themselves and others and the possibilities open to them in the future. The approach is most obviously relevant to teaching in content areas such as the Language Arts, History, and Social Studies, but it is also relevant to teaching in the sciences.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3602(3).

EDUC-4601(3) COMPUTER ASSISTED MULTI-MEDIA LEARNING (Le3)

This course explores technology and its role in education. The practical component focuses on developing skills such as using/designing web-based learning, authorware, multimedia web components (image, audio, video), and presentation software. The theoretical component deals with the critical analysis of technology and its role in education. Students are expected to be proficient in Windows and MS Office.

PREREQUISITES: EDUC-2601(3) or EDUC-2611(2).

Note: Depending on their proficiency and background, students should plan to spend an additional 20-30% laboratory time in order to complete assignments.

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3604(3).

EDUC-4602(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: INTEGRATING TECHNOLOGY INTO SENIOR YEARS TEACHING (Le3)

This course focuses on the innovative use of technology in the classroom to promote critical thinking. Senior years education students in all curriculum areas are introduced to the skills needed to develop integrated lesson plans in which they weave subject area outcomes with technology outcomes. Topics include learning theory in relation to critical thinking, essentials of curriculum development, Manitoba technology frameworks, lesson planning for technology integration, and educational applications of information technology. Continuing parallel themes are the rationale and development of Technology as a Foundation Skill and the development of Literacy with ICT Across the Curriculum in Manitoba schools.

RESTRICTIONS: Available only to students admitted to the certification portion of the degree and the Senior Years Steam.

EDUC-4700(3) THE ADULT LEARNER: AN INTRODUCTION TO ADULT EDUCATION (Le3)

This course will critically examine models, perspectives, and research related to adult learning in both formal and informal settings. It will emphasize the role of the adult educator in program planning, implementation, and evaluation within the context of an examination of current adult education issues and questions.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6)

RESTRICTIONS: May not be taken by students with standing in the former EDUC-2701(3).

EDUC-4701(3) CREATING AND MANAGING EFFECTIVE LEARNING ENVIRONMENTS (Le3)

This course introduces students to theory and practice relative of effective learning environments. Students use research to examine relevant issues and developments in classroom management, conflict resolution, and community building in the classroom. The course focuses on factors that influence student behaviour and factors that result in an optimal learning environment.

PREREQUISITES: EDUC-2513(3) or EDUC-3810(6) or admission to the After-Degree Program.

EDUC-4820(3) EARLY YEARS EDUCATION (Le3)

This course examines the premises and objectives of Early Years Education. Students are introduced to the instructional approaches effective in achieving these goals.

PREREQUISITE: EDUC-3810(6) and available only to students admitted to the certification portion of the degree and the Early Years Stream.

EDUC-4821(3) MIDDLE YEARS EDUCATION (Le3)

This course examines the premises and objectives of Middle Years Education. Students are introduced to the instructional approaches effective in achieving these goals.

PREREQUISITE: EDUC-3810(6) and available only to students admitted to the certification portion of the degree and the Middle Years Stream.

EDUC-4835(1) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: ART (Le1)

This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Art within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4836(1) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: DRAMA (Le1) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Drama within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4837(1) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: PHYSICAL EDUCATION/HEALTH EDUCATION (Le1) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Health and Physical Activity within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4838(3) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: READING AND THE ENGLISH LANGUAGE ARTS (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Language Arts within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4839(3) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: MATHEMATICS (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Mathematics within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4840(1) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: MUSIC (Le1) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Music within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4841(3) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: SCIENCE (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Science within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4842(3) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: SOCIAL STUDIES (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Social Studies within the context of the Manitoba Education and Training curriculum framework for the early years.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

EDUC-4843(1) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: ART (Le1) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Art within the context of the Manitoba Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4844(1) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: DRAMA (Le1) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Drama within the context of the Manitoba Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4845(1) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: PHYSICAL EDUCATION/HEALTH EDUCATION (Le1) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Health/Physical Activity within the context of the Manitoba Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4846(3) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: READING AND THE ENGLISH LANGUAGE ARTS (Le3) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Reading and the English Language Arts within the context of the Manitoba Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4847(3) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: MATHEMATICS (Le3) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Mathematics within the context of the Manitoba

Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4848(1) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: MUSIC (Le1) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Music within the context of the Manitoba Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4849(3) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: SCIENCE (Le3) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Science within the context of the Manitoba Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4850(3) MIDDLE YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: SOCIAL STUDIES (Le3) This course will introduce students to the instructional approaches and assessment techniques relevant to the teaching of Social Studies within the context of the Manitoba Education and Training curriculum framework for the middle years.

PREREQUISITES: EDUC-4835(1)-EDUC-4842(3). Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4843(1)-EDUC-4850(3) and associated practicum courses.

EDUC-4851(1) PROFESSIONAL DEVELOPMENT WORKSHOP (Le1) This course examines issues and topics relevant to the professional development of pre-service teachers. Course content will vary from year to year.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4852/5 SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: ALTERNATIVE (LeV)

This course will introduce students to instructional approaches and assessment techniques relative to senior years students in alternative programs or settings. For example, topics will include student initiated projects (SIPS), school initiated courses (SICS), distance learning, storefront learning centres, adult learning, special needs programs and other alternative programs.

PREREQUISITES: Completion of 4th year SY CIA courses in major and minor.

COREQUISITES: EDUC-4880(2.5) and EDUC-4883(2.5).

EDUC-4853(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: BIOLOGY (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Biology at the senior years level within the context of the

Manitoba Education and Training curriculum framework for Biology.

PREREQUISITES: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4869(3) and associated practicum courses.

EDUC-4854(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: CHEMISTRY (Le3)

This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Chemistry at the senior years level within the context of the Manitoba Education and Training curriculum framework for Chemistry.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4869(3) and associated practicum courses.

EDUC-4855(6) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: ENGLISH (Le6) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of English at the senior years level within the context of the Manitoba Education and Training curriculum framework for English.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: Associated practicum courses.

EDUC-4856(6) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: FRENCH (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of French at the senior years level within the context of the Manitoba Education and Training curriculum framework for French.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: Associated practicum courses.

EDUC-4857(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: GEOGRAPHY (Le3)

This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Geography at the senior years level within the context of the Manitoba Education and Training curriculum framework for Geography.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4869(3) and associated practicum courses.

EDUC-4859(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: HEALTH (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Health Education at the senior years level within the context of the Manitoba Education and Training curriculum framework for Health Education.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: For Senior Years students with a major or minor in Physical Activity EDUC-4863(3) is required and associated practicum courses. For all other certification students no corequisite is required.

EDUC-4860(6) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: HISTORY (Le6) This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of History at the senior years level within the context of the

Manitoba Education and Training curriculum framework for History.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: Associated practicum courses.

EDUC-4861(6) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: MATHEMATICS (Le6)

This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Mathematics at the senior years level within the context of the Manitoba Education and Training curriculum framework for Mathematics.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: Associated practicum courses.

EDUC-4863(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: KINESIOLOGY (Le3)

This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Physical Activity at the senior years level within the context of the Manitoba Education and Training curriculum framework for Physical Activity.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4859(3) and associated practicum courses.

EDUC-4864(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: PHYSICS (Le3)

This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Physics at the senior years level within the context of the Manitoba Education and Training curriculum framework for Physics.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4869(3) and associated practicum courses.

EDUC-4865(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: THEATRE & DRAMA (Le3)

This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Theatre and Drama at the senior years level within the context of the Manitoba Education and Training curriculum framework for Theatre and Drama.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4867(3) and associated practicum courses.

EDUC-4866(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: HISTORY AND PHILOSOPHY OF SCIENCE AND SCIENCE TEACHING (Le3)

This course examines the historical development of science in terms of major themes (like the atomic model) and how this development relates to science teaching. It is intended to foster a more complete view of the nature and philosophy of science to provide the science educator with a context for the content of the Manitoba curriculum and associated textbooks. This is not a formal course in the history of science; but rather, the course emphasizes the role of history and philosophy of science in science instruction. This course may also be of interest to elementary and middle years teachers who wish to gain a broader insight into science and can be used as certification elective.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4867(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: PERFORMANCE PRODUCTION (Le3)

This course provides music and theatre major students with skills required to produce school performances such as concerts, variety shows, dramas, musicals and fashion shows. Building on the skills they have acquired in their major teachable area, students will focus on the planning and managing of productions within a senior years school setting.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4865(3) and associated practicum courses.

EDUC-4868(3) CURRICULUM, INSTRUCTION AND ASSESSMENT: PRINCIPLES OF LEARNING FRENCH AS A SECOND LANGUAGE (Le3)

This course presents the theories and principles of learning French as a second language with particular emphasis on the Communicative Approach in Core French and Immersion. A study of current didactic materials, teaching methods and lesson implementation at the K to 8 levels, based on the Manitoba context, will be undertaken. This course will be taught in French.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4856(3) or admission into an Elementary French Immersion certification school placement.

EDUC-4869(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: THEORY OF SCIENCE TEACHING (Le3)

This course addresses effective science teaching strategies and current issues in science education. The focus is on methodology to promote student learning understanding of science concepts and processes. Practical methods for demonstrating, planning laboratory experiences, managing science equipment, and safety concerns are also developed and discussed.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: SY C, I & A in Biology, Chemistry, Geography or Physics.

EDUC-4870(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: LITERACY ACROSS THE CURRICULUM (Le3)

This course explores expanding notions of text and literacy across the curriculum. Prospective teachers are asked to consider how to bring learners and texts together to explore and construct meaning within their particular content areas. To this end, students are introduced to dominant theories and current approaches in the engagement of subject area texts through reading, viewing, listening, writing, speaking, and representing.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3102(3).

EDUC-4871(6) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: CURRICULUM DESIGN (Le6)

The first part of this course focuses on developing curriculum in areas where no mandated provincial curriculum documents exist. The second part of the course focuses on instructional design techniques and the implementation of the curriculum. Students are expected to design units and may have an option of a practicum component (self-arranged).

PREREQUISITES: Available only to students admitted to the certification portion of the program. Students must have a minimum of 18 credit hours of course work in Anthropology, Classics, Economics, Law, Philosophy, Politics, Psychology, or Sociology to be eligible for the course.

COREQUISITES: EDUC-4873(2.5) and EDUC-4877(2.5).

EDUC-4872(2.5) PRACTICUM BLOCK I - EARLY YEARS

(A) This course offers teaching experience in Early Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4873(2.5) PRACTICUM BLOCK I - MIDDLE YEARS

(A) This course offers teaching experience in Middle Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4874(2.5) PRACTICUM BLOCK I - SENIOR YEARS

(A) This course offers teaching experience in Senior Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4875(2.5) PRACTICUM BLOCK II - EARLY YEARS

(A) This course offers teaching experience in Early Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program; completion of EDUC-4872(2.5).

EDUC-4876(2.5) PRACTICUM BLOCK II - MIDDLE YEARS

(A) This course offers teaching experience in Middle Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program; completion of EDUC-4872(2.5).

EDUC-4877(2.5) PRACTICUM BLOCK II - SENIOR YEARS

(A) This course offers teaching experience in Senior Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program; completion of EDUC-4873(2.5).

EDUC-4878(2.5) PRACTICUM BLOCK III - EARLY YEARS

(A) This course offers teaching experience in Early Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4879(2.5) PRACTICUM BLOCK III - MIDDLE YEARS

(A) This course offers teaching experience in Middle Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week

block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4880(2.5) PRACTICUM BLOCK III - SENIOR YEARS

(A) This course offers teaching experience in Senior Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

EDUC-4881(2.5) PRACTICUM BLOCK IV - EARLY YEARS

(A) This course offers teaching experience in Early Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program; completion of EDUC-4879(2.5).

EDUC-4882(2.5) PRACTICUM BLOCK IV - MIDDLE YEARS

(A) This course offers teaching experience in Middle Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program; completion of EDUC-4879(2.5).

EDUC-4883(2.5) PRACTICUM BLOCK IV - SENIOR YEARS

(A) This course offers teaching experience in Senior Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program; completion of EDUC-4880(2.5).

EDUC-4884(3) PRACTICUM BLOCK - RED RIVER COLLEGE (Le3)

This course offers teaching experience in Senior Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week of experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students in the Joint UW/RRC Business, Industrial, Aboriginal Language or the full-time Vocational Teacher Education Programs who have been admitted to the certification portion of the program.

EDUC-4887(2.5) SUPPLEMENTAL PRACTICUM (A)

This course offers supplemental teaching experience under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block and may include a 1 day a week experience for a total of 9 days and/or may include a start of school experience if appropriate. This practicum is typically taken in conjunction with one or more Curriculum, Instruction and Assessment courses. This course, in conjunction with the Curriculum, Instruction and Assessment courses, must be passed in order to fulfil degree requirements.

PREREQUISITE: Recommendation of the Performance Review Committee and written permission of the Chair of the Performance Review Committee or Director of Student Teaching.

EDUC-4890(3) SENIOR YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: GENERAL

METHODS (Le3) This course introduces students to the instructional approaches and assessment techniques relevant to teaching at the Senior Years level within the context of the Manitoba Education and Training curriculum framework.

PREREQUISITE: Students must be in Joint UW/RRC Vocational Education Teacher Program and employed full-time as teachers. They must also have completed the 18 credit hours Arts or Science Minor.

EDUC-4891(3) PRACTICUM BLOCK - VOCATIONAL EDUCATION (Le3) This course offers teaching experience in Senior Years settings under the guidance and supervision of practicum host teachers. A minimum of 110 hours of actual teaching must be completed.

PREREQUISITE: EDUC-4890(3).

ADDITIONAL REQUIREMENTS: Students must be in the Joint UW/RRC Vocational Education Teacher Program and employed full-time as teachers.

POST-GRADUATE LEVEL COURSES

NOTE: These courses are at the post-graduate level and are only available to students who already hold a degree. Credit in these courses cannot be applied to an undergraduate degree (i.e. BEd, BA or BSc).

EDUC-5001(3) SPECIAL TOPICS IN EDUCATION (Le3)

This course examines relevant issues and developments in education. Course content varies from year to year. The topic of each course will be available to students prior to registration.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5401(3) CREATIVE PROBLEM SOLVING (Le3) This course examines misconceptions that often inhibit creativity, distinguishes between creative and critical thinking, identifies problem-solving styles, and explores ways of developing creative environments in schools and other settings. After being introduced to various models for learning and applying Creative Problem Solving, students build a personal "tool box" of pragmatic techniques and have the opportunity to practice them.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5402(3) EXPANDING GIFTED EDUCATION (Le3)

Gifted education in most school districts has traditionally been reserved for high-achieving, teacher-pleasing students. This course explores the expansion of enrichment programming to include hitherto marginalized students: nonconformists, dropouts, the "tough bright," children and youth from minority groups, and young people whose talents surface in domains other than reading, writing, and arithmetic. Specific topics such as inclusive philosophies and models, segregation versus integration, real-world problem solving, mentoring, self-directed learning, and strategies for developing the talents of all students in the regular classroom are examined.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5403(3) MEETING THE NEEDS OF FAS/FAE STUDENTS (Le3) FASD (Fetal Alcohol Spectrum Disorder) poses challenges for educators. This course considers methods of helping students with this condition function as effectively as possible in our schools. After examining diagnostic procedures and behavioural characteristics, the focus moves to classroom strategies for helping students to

develop life skills, enhance their academic performance, and behave in socially acceptable ways.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5404(3) REACHING THE ADHD CHILD (Le3) This course focuses on specific issues surrounding attention-deficit/hyperactivity disorder (ADHD), including definition, incidence, identification, diagnosis, etiology, medication, behaviour management, self-management skills training, and prognosis. The intent is to present a balanced approach to help educators, parents, and other caregivers understand and cope more effectively with hyperactive children in the classroom, home, and community.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5405(3) RECLAIMING TROUBLED CHILDREN AND YOUTH (Le3)

This course is designed to prepare educators to meet the needs of emotionally fragile and behaviourally disruptive children and youth. Emphasis is on Life Space Crisis Intervention (LSCI), an advanced, interactive, therapeutic set of strategies that help teachers and other caregivers understand the cycle of conflict and its long-term effects. Students learn to reframe problems from crisis management to crisis teaching, treat disrespectful students respectfully, de-escalate aggression and counter-aggression, recover after a crisis, and turn crisis situations into learning opportunities.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5406(3) STEPS TO ACHIEVING REAL-LIFE SKILLS (Le3)

This course is designed to prepare educators to work more effectively with at-risk youth. Using a variety of practical resources, students learn how to help adolescents develop transferable, personal skills in a variety of domains. Students are introduced to the STARS (Steps to Achieving Real-life Skills) Program, a middle years guidance curriculum for at-risk young people that can be implemented on an individual, small group, or total classroom basis. Components of the program include self-reflection, relationship-building, anger management, values clarification, drug and alcohol awareness, family dynamics, and listening and communication skills.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5407(3) TEACHING AT-RISK READERS (Le3)

Some children have great difficulty acquiring language arts skills. Helping these at-risk readers and writers achieve greater proficiency is an educational priority. The purpose of this course is to provide experienced, practicing teachers with the opportunity to develop a thorough understanding of reading and writing disability within a practical and a theoretical framework. The focus is on mastering the essential components of assessment and remedial strategies.

PREREQUISITE: Students must possess a BEd degree that includes an introductory course in Reading Instruction and a minimum of three years of experience as a classroom teacher, or permission of the instructor.

EDUC-5408(3) TEACHING AT-RISK STUDENTS IN THE INNER-CITY SCHOOL (Le3) This course analyzes educational responses to the changes faced by children in Canadian inner-city schools. It examines the historical, cultural, political, and educational issues surrounding academically and socially at-risk students within an inner-city

setting. Identity, race, culture, gender, and human rights are analyzed in relation to culturally appropriate pedagogy and learning styles.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5410(3) UNDERSTANDING AND RESPONDING TO LEARNING DISABILITIES (Le3) Learning Disabilities (LD), often termed invisible or hidden handicaps, can take many different forms and affect a wide range of students to varying degrees. Issues emphasized in this course include definition, types of disability, characteristics, self-concept, diagnosis, assessment, and remedial, compensatory, and classroom strategies.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5411(3) YOUTH VIOLENCE IN SCHOOLS (Le3)

Youth violence in schools is a symptom of multiple and pervasive societal problems. Child abuse, poverty, unemployment, intolerance, alcohol and substance abuse, lack of sufficient support services for youths and families, and exposure to media violence contribute to a culture of violence. The complex nature of youth violence demands multifaceted solutions. Reducing violence in schools requires early and systematic intervention in classrooms from early childhood to secondary levels. Schools, as influential socializing institutions, can play a central role in prevention and intervention.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5412(3) GIFTED EDUCATION IN THE INNER-CITY (Le3)

Specific facets of gifted education are explored in this course: practical and logistical concerns in inner city enrichment programming, theoretical models to guide practice, developing self-awareness in teachers and students, and strategies for the promotion of social capital across socioeconomic strata. Emphasis is placed on identifying and nurturing the talents of marginalized students.

EDUC-5420(3) INTRODUCTION TO SCHOOL GUIDANCE AND COUNSELLING (Le3)

This course provides a comprehensive overview of the profession of school counselling. It provides students with an overview and general understanding of (1) historical perspectives and current activities of counsellors, (2) the role and function of counsellors in a variety of settings, (3) techniques utilized by counsellors, (4) multicultural considerations in counseling, (5) organization of counselling programs, and (6) legal and ethical guidelines.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5421(3) THEORIES AND ISSUES IN SCHOOL COUNSELLING (Le3)

This course provides an overview of the fundamental theories of school counselling including: the contexts of effective treatment systems, person-centered therapy, existential and gestalt therapy, emerging counselling approaches, rational emotive behavioural therapy, action-focused therapy and behavioural therapy. Also considered are values, objectives, ethical issues, and the counselor-student relationship. Throughout, emphasis is placed on practical counselling strategies for early, middle, and senior years levels. Through lectures, readings, class activities, discussions and video clips, students learn about the fundamental components of the major theories, examine

differences and similarities amongst the various approaches, and consider practical issues that school counsellors face.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5422(3) EARLY AND MIDDLE YEARS SCHOOL COUNSELLING (Le3)

This course provides a thorough study of counselling as it relates to the early and middle years' student. Emphasis is placed on the role and function of the school counsellor within the framework of a comprehensive developmental guidance program model. Contemporary issues related to early years and middle years students are explored and strategies for assisting students are examined.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5423(3) SENIOR YEARS SCHOOL COUNSELLING (Le3)

This course offers a study of school counselling as it relates to students at the senior years level. Emphasis is placed on the role and function of the school counselor within the framework of a comprehensive developmental guidance program model. Contemporary issues related to students at the secondary level are explored and techniques for counseling are investigated.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5424(3) GROUP GUIDANCE AND COUNSELLING IN SCHOOL SETTINGS (Le3)

This course examines the many facets of group dynamics, including characteristics, formation and dissolution, stages of change, and the role of the counsellor in facilitating collaboration, cooperation, and group processes. Strategies for facilitating productive and therapeutic guidance groups are investigated and the development of leadership skills in group counseling are conducted under supervision.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5425(3) COUNSELLING ETHICS FOR CANADIAN SCHOOL SETTINGS (Le3)

This course is designed to provide a comprehensive overview of legal and ethical issues as they relate to the profession of school counselling. The objectives are to provide students with an overview and general understanding of: (1) standards of practice for counselors; (2) professional responsibilities of counselors in a variety of settings; (3) ethical counselling relationships; (4) ethical counselling and referral in counselling, and (5) legal and ethical guidelines in school settings. Topics include: informed consent, confidentiality, record-keeping, boundary issues, training and competence, clinical supervision, working with minors, and diversity issues.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

EDUC-5426(3) SCHOOL COUNSELLING PRACTICUM SKILLS (A)

The practicum skills course provides students with the opportunity to practice counselling skills and techniques in a supervised lab setting. Students analyze case studies and use digital recordings to practice counselling, consulting and coordinating skills. Students are required to conduct 10 individual counselling sessions with a client. Students are expected to demonstrate a progression of skills that allow gradual progress into direct service with students in a school setting (under guidance of a site supervisor.)

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor.

Additional requirements: Successful completion of 12 credit hours in the counselling stream of compulsory courses (EDUC-5420, EDUC-5421, EDUC-5422, EDUC-5423, and EDUC-5425) and 12 credit hours in counselling elective courses. Students must complete 24 credit hours in the counselling stream before registering for the practicum skills course.

EDUC-5427(3) (A) SUPERVISED SCHOOL

COUNSELLING PRACTICUM The practicum in school counselling provides an opportunity for students to synthesize the theoretical information on individual counselling and group counselling from their coursework and apply it in an early, middle, or senior years school setting. The course provides both a laboratory experience and a field experience under the joint supervision of a U of W supervisor and a site supervisor. The school counselling practicum is designed to assist students in learning the function and procedures that accompany the role of a school

counselor through observation, shadowing, and reviewing relevant documentation. Students are required to complete a minimum of 100 hours in a supervised school setting. Please see website on current application procedures. Field placements are limited and placements will only be arranged by the Faculty of Education Placement Coordinator. Students may not complete their practicum in the same school division, or during the same hours, in which they work.

Note: In order to generate sufficient enrollments this course may not be offered every year.

PREREQUISITE: A Bachelor of Education degree and 2 years of appropriate teaching/work experience; or permission of instructor. Successful completion and a grade of B or higher in EDUC-5426 School Counselling Practicum Skills. Demonstrated evidence of professional behaviour and ethical conduct. Students registering for the practicum must have successfully completed all of their compulsory courses and written permission must be obtained from an academic advisor prior to registering for this course.

EDUCATION (EDUC)

TABLE I
Subject Areas and How They Can Be Used in the BEd Program

Area	Stream(s) Applicable to	Arts or Science Major	Teachable Major	Teachable Minor	Comments
Aboriginal Language	SY	No	Yes	No	UW/RRC Program only
Aboriginal Self Governance	All	Yes	No	No	See Note at end of table
Anthropology	All	Yes	No	Yes	
Applied Computer Science	All	Yes	No	No	
Art	EY E/MY MY	Yes (See Comment)	Yes	Yes	Available to After Degree students only who have completed degree elsewhere with art as a major
Bioanthropology	All	Yes	No	No	See Note at end of table
Biochemistry	All	Yes	No	No	See Note at end of table
Biology	All	Yes	Yes	Yes	
Biopsychology	All	Yes	No	No	See Note at end of table
Business and Administration	All	Yes	No	No	See Note at end of table
Business Education	SY only	No	Yes	No	UW/RRC Program only
Chemistry	All	Yes	Yes	Yes	
Classics	All	Yes	No	Yes	

Area	Stream(s) Applicable to	Arts or Science Major	Teachable Major	Teachable Minor	Comments
Communications	All	Yes	Yes (English)	Yes (English)	
Conflict Resolution Studies	All	Yes	No	No	See Note at end of table
Criminal Justice	All	Yes	No	No	See Note at end of table
Dance	EY E/MY MY	Yes	No	Yes	
Developmental Studies	EY E/MY MY	Yes	No	Yes	
Economics	All	Yes	No	Yes	
English	All	Yes	Yes	Yes	
Environmental Studies/Urban and Inner-City Studies	All	Yes	No	No	See Note at end of table
French	All	Yes	Yes	Yes	
Geography	All	Yes	Yes	Yes	
German	EY E/MY MY	Yes	Yes	Yes	
History	All	Yes	Yes	Yes	
Human Ecology	EY E/MY MY	Yes (See Comment)	Yes	No	Available to After Degree students only who have completed degree elsewhere with Human Ecology as a major
Industrial Arts Education	SY	No	Yes	No	UW/RRC Program only
International Development Studies	All	Yes	No	No	See Note at end of table
Kinesiology and Applied Health	All	Yes	Yes	Yes	
Law	All	Yes (See Comment)	No	Yes	Available to After Degree students only who have completed degree elsewhere with Law as a major
Mathematics	All	Yes	Yes	Yes	
Music	EY E/MY MY	No	Yes	Yes	Available to After Degree students only who have completed degree elsewhere with music as a major
Philosophy	All	Yes	No	Yes	
Physics	All	Yes	Yes	Yes	

Area	Stream(s) Applicable to	Arts or Science Major	Teachable Major	Teachable Minor	Comments
Politics	All	Yes	No	Yes	
Psychology	All	Yes	No	Yes	
Religious Studies	All	Yes	No	No	
Rhetoric, Writing, and Communications	All	Yes	No	No	See Note at end of table
Sociology	All	Yes	No	Yes	
Spanish	EY E/MY MY	Yes (See Comment)	Yes	Yes	Available to students in the Early Years, Early/Middle Years or Middle Years Streams only. Not available to students in the Senior Years stream.
Statistics	All	Yes	No	No	
Theatre and Film	All	Yes	Yes	Yes	
Vocational Education	SY	No	Yes	No	UW/RRC Program only
Women's and Gender Studies	All	Yes	No	No	See Note at end of table

Note: Interdisciplinary majors generally consist of courses from a variety of departments, some of which may be recognized teachable subjects. Students with interdisciplinary majors may select individual teachable courses within that major, which could also be applied toward a teachable major and/or minor.

ENGLISH (ENGL)

Updated September 23, 2013

Note: The department/program code ENGL replaces the former code 17. Students cannot hold credit in ENGL-xxxx and the former 17.xxxx having the same course number (e.g., ENGL-1000(3) and 17.1000(3)).

Chair: Associate Professor A. Turner; Professors Emeriti: P. Nodelman, E.E. Reimer, W.E. Swayze, M.G. Wanamaker; Professors:

N. Besner, M. Evans, C. Hunter, Z. Izydorczyk, K. Malcolm, M. Reimer, D. Schnitzer; Associate Professors: A. Burke, P. DePasquale, P. Melville, K. Ready, C. Rifkind, A. Turner, K. Venema; Assistant Professors: B. Christopher, N. Hamer, H. Milne, H. Snell, M. Sweatman, C. Tosenberger, J. Wills, D. Wolf.

DEGREES/PROGRAMS OFFERED

3-Year BA in English

4-Year BA in English: Literatures and Cultures

4-Year BA in English: Creative Writing

4-Year BA in English with a Focus in Young People's Texts and Cultures

Honours BA in English

Minor

MA in Cultural Studies: Texts and Cultures (see the Graduate Studies section of this Calendar)

INTRODUCTION

English courses are designed to develop students' confidence and ability to read and write effectively. The courses introduce students to various aesthetic, cultural, and historical factors which influence what they read and write. Faculty members present their discipline in a manner consistent with academic freedom and an awareness of students' experiences.

Through a 3-Year BA, 4-Year BA, or Honours BA, students may choose courses covering a variety of texts from several perspectives, including the literature of different periods and genres, and the function and history of language. Some English courses are prescribed or recognized as pre-professional or professional courses, and all courses are useful to professional careers. The study of English also helps students develop competence in using language. Students with English degrees often go into such fields as journalism, business, public service, editing and publishing, law, medicine, and theology, or enter graduate school in literary or related studies to prepare for an academic career in teaching and scholarship.

REQUIREMENTS FOR A 3-YEAR BA IN ENGLISH

ADMISSION REQUIREMENT	Students must consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000-level. Of these, a maximum of 6 credit hours may be below the 1000-level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours in the Major subject
Double Major:	30 credit hours in English and specified number of credit hours in the other department/program
Required Courses:	Year 1: 6 credit hours of First-Year (1000-level) Courses, including ENGL-1000(3) OR ENGL-1001(6) Years 2 and 3: 24 credit hours from 2000-, 3000- or 4000-level offerings Maximum 6 credit hours from Theatre and Film Group Maximum 6 credit hours from Rhetoric, Writing and Communications Group
Combined Major:	Minimum 48 credit hours from two (2) different Majors with not less than 18 credit hours from each major subject
Prescribed Courses:	ENGL-1001(6) English 1, OR ENGL-1000(3) English 1A

REQUIREMENTS FOR A 4-YEAR BA IN ENGLISH

ADMISSION REQUIREMENT	Students must consult with the department advisor in planning their studies. Minimum 30 credit hours completed
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000-level. Of these, a maximum of 6 credit hours may be below the 1000-level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours in the Major subject
Double Major:	Minimum 48 credit hours in each Major subject as specified by the department/program
Cognates:	Minimum of 18 credit hours, maximum of 36 credit hours from related departments Maximum total of cognate and major courses is 84 credit hours combined
Required courses:	Year 1: 6 credit hours of First-Year (1000-level) Courses, including either ENGL-1000(3) OR ENGL-1001(6) Years 2, 3 and 4: See the streams listed below. Students may use a maximum 6 credit hours from Theatre and Film Group. Students may use a maximum 6 credit hours from Rhetoric, Writing, and Communications Group.
Combined Major:	Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject

There are currently three streams recommended for students pursuing a 4-Year BA in English. Students may choose the 4-Year BA in Literatures and Cultures, or the 4-Year BA in Creative Writing, or the 4-Year BA in English with a Focus in Young People's Texts and Cultures. All are described below.

REQUIREMENTS FOR A 4-YEAR BA IN ENGLISH: LITERATURES AND CULTURES

Description

The Literatures and Cultures specialization focuses on reading and studying works of literary art and cultural artifacts, and exploring both literary theory and cultural theory. Courses in this stream reflect an interest in literary history and theory, literary forms, movements, and genres, cultural history and theory, the representation of communities and identities, and the intersections between literature and other forms of artistic and cultural production. Students completing the course of studies recommended below will have their specialization in Literatures and Cultures noted on their transcripts.

Students are required to fulfill all current requirements for a 4-Year BA in English, listed above.

Required English courses:

6 credit hours of first-Year (1000-level) English, including ENGL-1000(3) **OR** ENGL-1001(6)

FOUNDATIONS

Either ENGL-2142(6) Field of Literary and Textual Studies
OR ENGL-2145(6) Field of Cultural Studies

GENRES

6 credit hours from
ENGL-2180(6) Types of Popular Literature
ENGL-2185(3) Literary Communities
ENGL-2401(6) Tragedy and Comedy in Drama
ENGL-2601(6) The Novel
ENGL-2603(3) Short Fiction
ENGL-2604(3) Poetry and Poetic Form
ENGL-2612(3) Science Fiction
ENGL-3190(6) Literature and Film

IDENTITIES AND LOCATIONS

6 credit hours from
ENGL-2722(6) Postcolonial Literatures and Cultures
ENGL-2912(3) Women Writers after 1900
ENGL-2922(3) Topics in Women Writers
ENGL-3225(6) Contemporary British Literature and Culture
ENGL-3713(6) Contexts in Canadian Literature
ENGL-3714(3) Literature of Winnipeg
ENGL-3715(6) Diasporic Literatures and Cultures in Canada

IDENTITIES AND LOCATIONS (Cont'd)

ENGL-3716(6)	Canadian Literature and Culture after 1914
ENGL-3717(6)	Aboriginal Literatures
ENGL-3719(3)	Literature of Manitoba
ENGL-3725(6)	American Literature and Culture after 1914
ENGL-3901(6)	Queer Literature, Culture and Theory

ADVANCED STUDIES: THEORY AND PRACTICE (Years 3 & 4)

6 credit hours from

ENGL-3120(6)	Practicum in Literature, Literacy and Language
ENGL-3122(3)	Special Studies I
ENGL-3131(6)	Special Studies II
ENGL-3151(6)	Critical Theory: An Introduction
ENGL-3180(6)	The Making of Peace and War in Literatures

ENGL-3951(3)	Topics in Feminist Theory
ENGL-4103(3)	Research Apprenticeship
ENGL-4104(3)	Tutorial Apprenticeship in English

Or any 4000-level seminar course

PERIODS

6 credit hours from

ENGL-2202(3)	Literature of the Sixteenth Century
ENGL-2203(3)	Literature of the Seventeenth Century
ENGL-2220(3)	English Literatures and Cultures 700-1660
ENGL-2221(6)	The Age of Chaucer
ENGL-2230(3)	British Literatures and Cultures 1660-1901
ENGL-2311(6)	Shakespeare
ENGL-3209(6)	Eighteenth-Century Literature and Culture
ENGL-3710(6)	Canadian Literature and Culture to 1914
ENGL-3720(6)	American Literature and Culture to 1914
ENGL-2902(3)	Women Writers before 1900
ENGL-3210(6)	Romantic Literature and Culture
ENGL-3211(6)	Victorian and Edwardian Literature
ENGL-3222(6)	Modernism
ENGL-3812(6)	A History of the English Language

12-30 additional credit hours of study in English courses

Any English courses will satisfy this requirement. Students are strongly encouraged to exceed the minimum requirements in English, and to include among their remaining credit hours:

6 additional credit hours of Foundations

6 additional credit hours of Genres

6 additional credit hours of Periods

6 additional credit hours of Identities and Locations

6 additional credit hours of Advanced Studies.

Required Cognate Courses

18-36 credit hours of study in cognate departments. Suggested cognate departments include: Anthropology, Classics, Rhetoric, Writing and Communications, History, History of Art, Modern Languages, Philosophy, Politics, Religious Studies, Sociology, Theatre and Film, and Women's and Gender Studies.

Students must consult with an English Department advisor in planning their program of study and completing the required forms at each registration.

REQUIREMENTS FOR A 4-YEAR BA IN ENGLISH: CREATIVE WRITING

Description

The Creative Writing specialization focuses not only on reading and studying works of literary art, but on learning how to create and produce them as well. This stream shares with studies in Literatures and Cultures an interest in literary history, form, genre, and the place of literature among the other arts and within its historical context. In addition, the Creative Writing stream introduces students to methods and theories of making poetry and fiction. Students completing the course of studies recommended below will have their specialization in Creative Writing noted on their transcripts.

Students are required to fulfill all current requirements for a 4-Year BA in English, listed above.

Required English Courses

Students pursuing a specialization in Creative Writing are required to complete 48-66 credit hours in English, of which 6 credits normally will be in First-Year (1000-level) English courses, including either ENGL-1000(3) **OR** ENGL-1001(6). In addition, the following English courses are required of Creative Writing Students.

Required Core Course

ENGL-3101(6) Creative Writing Comprehensive*

*Note that the prerequisite for this course is ENGL-2102(3) Introduction to Creative Writing: Developing a Portfolio; and the co-requisite is ENGL-2002(3) The Creative Process. The prerequisite of ENGL-2102(3) sometimes may be waived for students with previous writing experience who submit an accomplished portfolio.

Other Required English Courses

1. 12 credit hours of study in additional Creative Writing courses chosen from the following list, including at least two different genres:

- ENGL-2102(3) Introduction to Creative Writing: Developing a Portfolio
- ENGL-2002(3) The Creative Process
- ENGL-3102(1) Creative Writing Field Research (may be taken up to 3 times, if topic varies)
- ENGL-3112(6) Advanced Creative Writing
- ENGL-3113(3) Writing Short Fiction

ENGL-3114(3) Writing Poems
ENGL-3115(3) Writing for Children
ENGL-3116(3) Topics in Creative Writing (see English website for current description)
THFM-2610(3) Script and Screen*
THFM-2611(3) Introduction to Screenwriting*
THFM-2612(3) Script and the Small Screen*
THFM-2701(6) Playwriting I*
THFM 3701(6) Playwriting II: General*

*Note that a maximum of 6 credit hours in Theatre and Film can count toward the major in English. Also note that Theatre and Film courses have their own prerequisites and regulations.

2. 6 credit hours of study in Canadian and/or Aboriginal literatures and cultures. Courses satisfying this requirement include:
ENGL-3119(3) Canadian Children's Literatures and Cultures
ENGL-3710(6) Canadian Literature and Culture to 1914
ENGL-3713(3/6) Contexts in Canadian Literature
ENGL-3714(3) Literature of Winnipeg
ENGL-3715(3/6) Diasporic Literatures and Cultures in Canada
ENGL-3716(6) Canadian Literature and Culture after 1914
ENGL-3717(6) Aboriginal Literatures
ENGL-3719(3) Literature of Manitoba
ENGL-4710(3/6) Topics in Canadian Literature
3. 18 additional credit hours of study in English courses. Any English courses (except for Creative Writing courses) will satisfy this requirement. Creative Writing students are strongly encouraged to exceed the minimum number of English courses required. To write well, you must be well-read.

Required Cognate Courses

18-36 credit hours of study in cognate departments. Cognate departments include: Classics, Rhetoric, Writing, and Communications, History, History of Art, Modern Languages, Philosophy, Religious Studies, and Theatre and Film.

Students must consult with an English Department advisor for creative writing in planning their program of study and completing the required forms **at each registration**.

REQUIREMENTS FOR A 4-YEAR BA IN ENGLISH WITH A FOCUS IN YOUNG PEOPLE'S TEXTS AND CULTURES

Description

The specialization in Young People's Texts and Cultures allows students to focus on texts apparently created for a specific, limited audience of readers and viewers. This stream shares with studies in Literatures and Cultures an interest in literary history, form, genre, and the place of literature among the other arts and within historical contexts. In addition, the Young People's Texts and Cultures stream introduces students to the study of other texts such as toys, games, picture books, digital media, films and performances. Students completing the course of studies recommended below will have their specialization in Young People's Texts and Cultures noted on their transcripts.

Students are required to fulfil all current requirements for a 4-Year BA in English, listed above.

Required English Courses

Student pursuing a specialization in Young People's Texts and Cultures are required to complete 48-66 credit hours of study in English of which 6 credits normally will be in First-Year (1000-level) English courses, including ENGL-1000(3) **OR** ENGL-1001(6). In addition, the following courses are required.

Required Core Course

ENGL-2003(6) The Field of Children's Literature

Other Required English Courses

1. A minimum of 12 additional credit hours of study in courses in Young People's Texts and Cultures, chosen from the following list:

ENGL-2004(6) A History of Children's Literature
ENGL-2113(6) Picture Books for Children
ENGL-2114(6) Fairy Tales and Culture
ENGL-3115(3) Writing for Children
ENGL-3117(3) Poetry for Young People
ENGL-3118(3) Topics in Fiction for Young People
ENGL-3119(3) Canadian Children's Literature and Culture
ENGL-3160(3) Topics in Young People's Cultural and Literary Texts
ENGL-3169(3) Films for Young People

2. Participation in a practicum related to Young People's Texts and Cultures, through 6 credit hours of study in a practicum course, normally taken as a capstone course in the final year of the program:
 - ENGL-3120(6) Practicum in Literature, Literacy and Language
 - ENGL-4103(3) Research Apprenticeship
 - ENGL-4104(3) Tutorial Apprenticeship in English
3. A minimum of 18 additional credit hours of study in English courses other than courses in Young People's Texts and Cultures.

Required Cognate Courses

18-36 credit hours of study in cognate departments. Suggested cognate departments include: Anthropology, Classics, Rhetoric, Writing, and Communications, History, History of Art, Modern Languages, Philosophy, Politics, Religious Studies, Sociology, Theatre and Film, and Women's and Gender Studies.

*Students must consult with an English Department advisor for Young People's Texts and Cultures in planning their program of study and completing the required forms **at each registration**.

REQUIREMENTS FOR AN HONOURS BA IN ENGLISH

The Honours Program in English provides the opportunity for intensive study in a seminar setting. Regular attendance and active participation in seminars are required of all students registered in Honours courses. The normal prerequisite for Honours courses is completion of OR concurrent registration in **ENGL-2142(6)** Field of Literary and Textual Studies. Students must consult with the English Department Honours Chair or designate in planning their program and completing the required Honours form at each registration.

Students interested in supplementing their literary studies in English with courses in world literature or literature in translation should consult the listings for the following departments: Classics, Modern Languages, Religious Studies, Theatre and Film.

Note: Unless these courses also have an English number, they do not count as part of the minimum 54 credit hours required of Honours students.

ADMISSION REQUIREMENT

Minimum 30 credit hours completed

Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses. The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses. The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e. Fs are not included, and in the case of repeated courses, only the highest grade will be used).

Students must consult with the Honours advisor in planning their studies.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree:	Minimum 60 credit hours
Honours:	Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours are at 4000 level

GENERAL DEGREE REQUIREMENT

Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000-level. Of these, a maximum of 6 credit hours may be below the 1000-level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects

HONOURS REQUIREMENT

Single Honours:	Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject Minimum 30 credit hours in 4000-level Honours courses
Double Honours:	Minimum 36 credit hours in each Honours subject Minimum 24 credit hours in 4000-level Honours courses in the English component of the Double Honours. For the requirements of the other Honours subject, consult the department involved.

Distribution Requirements: Single and Double Honours

In addition to the regular degree requirements, Single Honours students are required to include courses in different areas to ensure that a full spectrum of study has been achieved: **Canadian Content**, **Study in a Second Language**, **Critical Theory**, and **Historical Area Courses** (List A and List B). Double Honours students must consult with the English Department Honours Chair or designate in planning their program to ensure that it reasonably approximates the Single Honours Distribution Requirements. Students who find it impossible to complete their distribution requirements in a given year should discuss their program with the Honours Chair or designate.

1. Canadian Content must be included in at least 6 credit hours. Suggested options: ENGL-3119(3) Canadian Children's Literature and Culture, ENGL-3710(6) Canadian Literature and Culture to 1914, ENGL 3713 (3/6) Contexts in Canadian Literature, ENGL-3714(3) Literature of Winnipeg, ENGL-3715 (3/6) Diasporic Literatures and Cultures in Canada, ENGL-3716(6)

Canadian Literature and Culture after 1914, ENGL-3717(6) Aboriginal Literatures, ENGL-3719(3) Literature of Manitoba, ENGL-4710 (3/6) Topics in Canadian Literature.

2. Minimum 6 credit hours of study in a Second Language. Suggested options include ENGL-4822(3) Old English Language, ENGL-4841(3) Old English Literature, CLAS-1100(3) Introductory Latin I, CLAS-1101(3) Introductory Latin II, CLAS-1200(3) Introductory Greek I, CLAS-1201(3) Introductory Greek II, FREN-1001(6) Introductory French, FREN-1111(6) Practical Language Skills, GERM-1201(6) Elementary German, GERM-2201(6) Intermediate German, REL-2001(6) Elementary Biblical Hebrew.

Note: Alternatively, students may demonstrate proficiency in a second language to the satisfaction of the Chair of the English Department.

3. Students must complete either ENGL-3151(6) Critical Theory: An Introduction **OR** ENGL-4110(6) Critical Theory.

4. Students must take at least 6 credit hours from each of Lists A and B:

List A:

ENGL-2202(3)	Literature of the Sixteenth Century
ENGL-2203(3)	Literature of the Seventeenth Century
ENGL-2221(6)	The Age of Chaucer
ENGL-2311(6)	Shakespeare
ENGL-4242(6)	Medieval Literature 1350-1500
ENGL-4251(6)	Sixteenth-Century Literature
ENGL-4261(6)	Seventeenth-Century Literature
ENGL-4301(6)	Chaucer
ENGL-4311(6)	Topics in Shakespeare
ENGL-4823(3)	Old English Language
ENGL-4841(3)	Old English Literature

List B:

ENGL-3209(6)	Eighteenth-Century Literature and Culture
ENGL-3210(6)	Romantic Literature and Culture
ENGL-3211(6)	Victorian and Edwardian Literature
ENGL-3710(6)	Canadian Literature and Culture to 1914
ENGL-3720(6)	American Literature and Culture to 1914
ENGL-4211(6)	The Romantic Movement in English Literature
ENGL-4270(6)	Eighteenth-Century Studies
ENGL-4281(6)	Victorian and Edwardian Studies 1837-1910

REQUIREMENTS FOR A MINOR IN ENGLISH

Degree:	Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	All 18 credit hours in the Minor subject
Required courses:	Minimum 6 credit hours of first-year English, including either 1001(6) or 1000(3)
Restrictions:	RHET or THFM courses currently allowed to count toward the Major may not count toward the Minor.

GENERAL INFORMATION

In the following descriptions of English Department courses, these terms are used:

PREREQUISITE: A course which students must have taken before they can enter another course.

COREQUISITE: A course that must be taken during the same session as another course.

COGNATE: A course from a related department.

CROSS-LISTED: A cross-listed course is available as part of a major in more than one department or program.

See the "Glossary" of the Course Calendar for more detailed definitions of these terms.

Prerequisites

Students must have taken 6 credit hours at the 1000-level in English, including ENGL-1000(3) **OR** ENGL-1001(6), before enrolling in MOST 2000-, 3000-, and 4000-level courses in the Department of English. There are two ways to fulfill this requirement:

- **ENGL-1001(6)** English 1, **OR**

- a combination of **ENGL-1000(3)** English 1A **and 3 other credit hours of English at the 1000-level.**

For the following **Linguistics** courses, 6 credit hours at the 1000-level, including ENGL-1000(3) **OR** ENGL-1001(6) **or** Departmental permission is required:

ENGL-2802(3)	Syntax
ENGL-2804(3)	Language and Culture
ENGL-2806(3)	Semantics: Philosophical Foundations
ENGL-3800(6)	Stylistics
ENGL-3812(6)	A History of the English Language

For the following **Creative Writing** courses, 6 credit hours at the 1000-level, including either ENGL-1000(3) **OR** ENGL-1001(6) **and** the Instructor's permission must be obtained:

ENGL-3101(6)	Creative Writing Comprehensive
ENGL-3102(1)	Creative Writing Field Research
ENGL-3112(6)	Advanced Creative Writing
ENGL-3113(3)	Writing Short Fiction
ENGL-3114(3)	Writing Poems
ENGL-3116(3)	Topics in Creative Writing

For **ENGL-2142(6)** Field of Literary and Textual Studies, permission of the Honours chair or designate is required.

The following courses have additional prerequisites:

- ENGL-3101(6)** Creative Writing Comprehensive
- ENGL-3112(6)** Advanced Creative Writing
- ENGL-3115(3)** Writing for Children
- ENGL-3118(3)** Topics in Fiction for Young People
- ENGL-3160(3)** Topics in Young People's Cultural and Literary Texts

2000- and 3000-Level Courses

Students with the first-year prerequisite can take any courses with 2000- and 3000- numbers in the order most suitable to their programs. 3000-level courses DO NOT require 2000-level courses as prerequisites. (Courses with additional prerequisites are listed above).

4000-Level Courses

Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of the department is required for each 4000-level course.

Theatre and Film Group

A maximum of 6 credit hours of the following courses taught by the Department of Theatre and Film may be counted towards a major in English.

THFM-2401(3)	Theatre History I	THFM-2612(3)	Script and the Small Screen
THFM-2402(3)	Theatre History II	THFM-2701(3)	Playwriting I
THFM-2404(3)	Aboriginal Identities in Theatre and Film	THFM-3401(3)	Theatre History III
THFM-2410(6)	History of Film	THFM-3402(3)	Canadian Drama and Theatre
THFM-2610(3)	Script and Screen	THFM-3701(6)	Playwriting II: General
THFM-2611(3)	Introduction to Screenwriting		

Rhetoric, Writing, and Communications Group

A maximum of 6 credit hours of the following courses taught by the Department of Rhetoric, Writing, and Communications may be counted towards a major in English.

RHET-2131(3)	Professional Style and Editing	RHET-2136(3)	Orality and Literacy
RHET-2135(3)	Rhetorical Criticism	RHET-2138(3)	Modern Rhetorical Theory

Department website: Students are encouraged to consult the English Department website: <http://english.uwinnipeg.ca>. It offers specific current course synopses and a comprehensive list of additional information for planning a program of English studies.

COURSE LISTINGS

FIRST-YEAR (1000-LEVEL) COURSES

Only 6 credit hours in First-Year (1000-level) English courses can count towards a Major in English.

In order to offer students an interesting and useful introduction to university-level literary study, all sections of First-Year (1000-level) English follow the general guidelines listed in the course descriptions below. However, **each section of these courses works toward these general goals by means of a different focus.** Some sections concentrate on specific approaches or theories of literature (such as literary dialogues or reader-response strategies); some deal with specific genres (such as poetry or short fiction); and some cover specific kinds of literature (such as popular literature or writing by women). Because the different sections are so different from each other in both content and method, **students intending to enroll in these courses should consult the English Department website** for descriptions of the specific content of each of the sections of the course currently being offered. After reading these descriptions, students should try to select a section with a focus that interests them. For additional information on these sections and how to satisfy the first-year prerequisite, please see "Prerequisites" in the "General Information" section.

ENGL-1000(3) English 1A

ENGL-1001(6)	English 1
ENGL-1003(3)	Introduction to English: Topics in Literature
ENGL-1004(3)	Introduction to English: Reading Culture
ENGL-1005(3)	Introduction to English: Reading to Write Creatively

UPPER-LEVEL COURSES

ENGL-2002(3)	The Creative Process
ENGL-2003(6)	The Field of Children's Literature
ENGL-2004(6)	A History of Children's Literature
ENGL-2102(3)	Introduction to Creative Writing: Developing a Portfolio
ENGL-2113(6)	Picture Books for Children
ENGL-2114(6)	Fairy Tales, Fantasy, and Culture
ENGL-2142(6)	Field of Literary and Textual Studies
ENGL-2145(6)	Field of Cultural Studies
ENGL-2180(6)	Types of Popular Literature
ENGL-2185(3)	Literary Communities
ENGL-2202(3)	Literature of the Sixteenth Century
ENGL-2203(3)	Literature of the Seventeenth Century
ENGL-2220(3)	English Literatures and Cultures 700-1660
ENGL-2221(6)	The Age of Chaucer
ENGL-2230(3)	British Literatures and Cultures 1660-1901
ENGL-2311(6)	Shakespeare
ENGL-2401(6)	Tragedy and Comedy in Drama
ENGL-2601(6)	The Novel

ENGL-2603(3)	Short Fiction	ENGL-3715(3/6)	Diasporic Literatures and Cultures in Canada
ENGL-2604(3)	Poetry and Poetic Form	ENGL-3716(6)	Canadian Literature and Culture after 1914
ENGL-2612(3)	Science Fiction	ENGL-3717(6)	Aboriginal Literatures
ENGL/THFM-2703(3)	Play Analysis	ENGL-3719(3)	Literature of Manitoba
ENGL/MOD-2710(3)	Literature in Translation	ENGL-3720(6)	American Literature and Culture to 1914
ENGL-2722(6)	Postcolonial Literatures and Cultures	ENGL-3721(6)	American Literature and Culture after 1914
ENGL-2802(3)/LING-2003(3)	Syntax	ENGL/CLAS-3754(3)	Ancient Epic in Translation
ENGL-2803(3)/LING-2001(3)	Phonetics and Phonology	ENGL/CLAS-3755(3)	Ancient Drama in Translation
ENGL-2804(3)/LING-2101(3)	Language and Culture	ENGL/CLAS-3756(3)	Topics in Ancient Literature
ENGL-2805(3)/LING-2002(3)	Morphology	ENGL-3800(6)	Stylistics
ENGL-2806(3)/LING-2004(3)	Semantics: Philosophical Foundations	LING-3001(6)	Textual Analysis
ENGL-2902(3)	Women Writers Before 1900	ENGL-3812(6)	A History of the English Language
ENGL-2912(3)	Women Writers After 1900	ENGL-3901(6)	Queer Literature, Culture, and Theory
ENGL/WGS-2922(3)	Topics in Women Writers	ENGL-3905 (3/6)	Topics in Biblical Texts and Cultural Studies
ENGL-3101(6)	Creative Writing Comprehensive	ENGL-3951(3)	Topics in Feminist Theory
ENGL-3102(1)	Creative Writing Field Research	ENGL-3980 (3/6)	Topics in Comics and Graphic Narratives
ENGL-3112(6)	Advanced Creative Writing		
ENGL-3113(3)	Writing Short Fiction		
ENGL-3114(3)	Writing Poems		
ENGL-3115(3)	Writing for Children		
ENGL-3116(3)	Topics in Creative Writing		
ENGL-3117(3)	Poetry for Young People		
ENGL-3118(3)	Topics in Fiction for Young People		
ENGL-3119(3)	Canadian Children's Literatures and Cultures		
ENGL-3120(6)	Practicum in Literature, Literacy and Language		
ENGL-3122(3)	Special Studies I		
ENGL-3131(6)	Special Studies II		
ENGL-3151(6)	Critical Theory: An Introduction		
ENGL-3160(3)	Topics in Young People's Cultural and Literary Texts		
ENGL-3169(3)	Films for Young People		
ENGL-3180(6)	The Making of Peace and War in Literatures		
ENGL-3190(6)	Literature and Film		
ENGL-3209(6)	Eighteenth-Century Literature and Culture		
ENGL-3210(6)	Romantic Literature and Culture		
ENGL-3211(6)	Victorian and Edwardian Literature		
ENGL-3222(6)	Modernism		
ENGL-3225(6)	Contemporary British Literature and Culture		
ENGL-3401(6)	Modern Drama		
ENGL-3710(6)	Canadian Literature and Culture to 1914		
ENGL-3713(3/6)	Contexts in Canadian Literature		
ENGL-3714(3)	Literature of Winnipeg		

Honours Courses

ENGL-4001(3)	Tutorial Honours Paper and Oral Examination
ENGL-4103(3)	Research Apprenticeship
ENGL-4104(3)	Tutorial Apprenticeship in English
ENGL-4110(6)	Critical Theory
ENGL-4122(3)	Special Studies I
ENGL-4131(6)	Special Studies II
ENGL-4211(6)	The Romantic Movement in English Literature
ENGL-4242(6)	Medieval Literature 1350-1500
ENGL-4251(6)	Sixteenth-Century Literature
ENGL-4261(6)	Seventeenth-Century Literature
ENGL-4270(6)	Eighteenth-Century Studies
ENGL-4281(6)	Victorian and Edwardian Studies 1837-1910
ENGL-4285(6)	Topics in Modernism
ENGL-4294(3/6)	Topics in Contemporary British Culture
ENGL-4301(6)	Chaucer
ENGL-4311(6)	Topics in Shakespeare
ENGL-4341(3)	Individual Author I
ENGL-4342(3)	Individual Author II
ENGL-4442(6)	Topics in Drama and Dramatic Theory
ENGL-4710(3/6)	Topics in Canadian Literature
ENGL-4720(6)	Topics in American Literature
ENGL-4730(3/6)	Topics in Postcolonial Studies
ENGL-4740(6)	Topics in Comparative Literature
ENGL-4823(3)	Old English Language
ENGL-4841(3)	Old English Literature
ENGL-4901(6)	Topics in Gender, Literature and Culture

EXPERIMENTAL COURSE LISTINGS

ENGL-3709(3)	Topics in Canadian Literature and Culture	ENGL-4160(3)	Advanced Studies in Young People's Cultural and Literary Texts
ENGL-3723(3)	Topics in Indigenous Texts and Cultures	ENGL-4717(3)	Topics in Aboriginal Literature and Culture I
ENGL-3920(3)	Representations of Disability in Literary and Cultural Texts	ENGL-4718(3)	Topics in Aboriginal Literature and Culture II

COURSE DESCRIPTIONS

ENGL-1000(3) ENGLISH 1A (Le3) This course offers an introduction to university-level literary study, including the reading of creative literature (poetry, fiction, or drama); the

theory and practice of literary criticism; the role of historical and cultural factors influencing literary texts; and research skills. Students' writing also receives significant attention.

Because each section is different, students should consult the current section descriptions on the English Department website. Students taking this course plus 3 other credit hours of First-Year (1000-level) English will meet the prerequisite for most Upper-Year English courses. No more than 6 credit hours of First-Year English may count toward a major in English.

RESTRICTIONS: May not be taken with standing in ENGL-1001(6) or the former ENGL-1111(6) or ENGL-1201(6). May not be taken by students with standing in the former ENGL-1202(3) or ENGL-1203(3) without Departmental permission.

ENGL-1001(6) ENGLISH 1 (Le3) This course offers a full introduction to university-level literary study, including the reading of creative literature (poetry, fiction, and drama); the theory and practice of literary criticism; the role of historical and cultural factors influencing literary texts; and research skills. Students' writing also receives significant attention. Because each section is different, students should consult the current section descriptions on the English Department website. This course satisfies the prerequisite for most Upper-Year English Courses. No more than 6 credit hours of First-Year English may count toward a major in English.

RESTRICTIONS: May not be taken by students with standing in ENGL-1001(6) or the former ENGL-1111(6) or ENGL-1201(6). May not be taken by students with standing in the former ENGL-1202(3) or ENGL-1203(3) without Departmental permission. May not be taken by students with standing in 1000(3) or 1003(3).

ENGL-1003(3) INTRODUCTION TO ENGLISH: TOPICS IN LITERATURE (Le3) This course introduces students to a variety of creative literature (poetry, drama, and/or fiction) through the lens of a particular theme, genre, nationality, or period. Each section is a uniquely designed introduction to university-level literary study. Because each section is different, students should consult the current course descriptions on the English Department website. NOTE: To meet the prerequisite for Upper-Year English, students taking this course should also take ENGL-1000(3). The prerequisite for Upper-Year English Courses is 6 credit hours of First-Year (1000-level) English, including either ENGL-1000(3) or ENGL-1001(6). No more than 6 credit hours of First-Year English may count toward a major in English.

RESTRICTIONS: May not be taken by students with standing in ENGL-1001(6) or the former ENGL-1003(3) English 1B or 1111(6) or ENGL-1201(6). May not be taken by students with standing in the former ENGL-1202(3) or ENGL-1203(3) without Departmental permission.

ENGL-1004(3) INTRODUCTION TO ENGLISH: READING CULTURE (Le3) This course explores the role that culture, as a set of practices encompassing a range of texts, events, experiences, and social institutions, plays in everyday lives. Students interpret cultural forms and practices such as written texts, film, television, visual and performance art, music, and electronic media—and the institutions that shape them. May be of special interest to students planning further work in Cultural Studies. The prerequisite for Upper-Year English Courses is 6 credit hours of First-Year (1000-level) English, including either ENGL-1000(3) or ENGL-1001(6). No more than 6 credit hours of First-Year English may count toward a major in English.

ENGL-1005(3) INTRODUCTION TO ENGLISH: READING TO WRITE CREATIVELY (Le3) This course introduces students to a variety of creative literature (poetry, drama, and/or fiction) from a writerly perspective. Students explore and analyze the methods writers use to build imaginary constructs. Topics may include poetic structure, dramatic action, narrative techniques, and other aspects of the art and craft of writing creatively. May be of special interest to

students who plan on further work in Creative Writing. The prerequisite for Upper-Year English Courses is 6 credit hours of First-Year (1000-level) English, including either ENGL-1000(3) or ENGL-1001(6). No more than 6 credit hours of First-Year English may count toward a major in English.

ENGL-2002(3) THE CREATIVE PROCESS (Le3) This course addresses the complex processes involved in the creation of a literary text from initial inspiration to publication. Students' reading of fiction and poetry is supplemented with lectures based on documented evidence of the authors' own approaches to the craft of writing (including literary essays, interviews, drafts, letters, and/or occasional live appearances, when possible). The course examines the habits, beliefs, influences, and intellectual reasoning behind the decisions writers make while composing and revising their drafts. We also study the effects of those decisions. The reading list may vary from year to year, while maintaining the goals of gender balance and an emphasis on literature of the twentieth and twenty-first centuries.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2003(6) THE FIELD OF CHILDREN'S LITERATURE (Le3) An introduction to the study of children's literature, this course explores the characteristics of this form of literature, unusually named for its readers rather than its producers. We study various strategies for reading young people's texts; cultural assumptions about children and childhood; trends in educational theory and practice; the economic and political contexts of the production, consumption and marketing of texts for young people; and popular culture and media for young people. Texts from a range of genres, such as poetry, picture books, novels, blogs, and films, are considered.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: Students with credit in the former ENGL-2003(3) may not enroll in this class.

ENGL-2004(6) A HISTORY OF CHILDREN'S LITERATURE (Le3) This course covers the history of children's literature from Sumerian clay "readers" to the present day, with a focus on texts published before the mid-twentieth century. Topics include the shift of myths, fairy tales, and fables from oral to literary tradition; literary forms associated specifically with children, such as nursery rhymes and fantasy; the development of early picture books featuring woodcuts; and increased commodification of picture books that came with the advent of lithography. Students study the nineteenth- and twentieth-century rise of children as consumers, and changing notions of childhood such as the development of the concept of childhood innocence.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2102(3) INTRODUCTION TO CREATIVE WRITING: DEVELOPING A PORTFOLIO (Le3) In this course, students concentrate on developing a portfolio of creative writing, including both poetry and short fiction. The course introduces students to strategies for writing in both genres and to the discipline involved in seeing a project through several drafts to its final stages. Emphasis is placed on the skills involved in self-editing and the professional preparation and submission of manuscripts suitable for a portfolio. Recommended for students who plan to enrol in further creative writing courses at the undergraduate level.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: May not be taken by students already holding credit in ENGL-3101(6), ENGL-3112(6), ENGL-3113(3), or ENGL-3114(3).

ENGL-2113(6) PICTURE BOOKS FOR CHILDREN (Le3)

This course explores picture book elements, industries, and modes of reception and interpretation, involving strategies such as small-group discussions, presentations, oral and written forms of analysis, and the making of picture books. Of particular interest is our exploration of experimental and innovative picture book forms and their contribution to changing concepts of the child, childhood and children's culture. This course may incorporate experiential, community-based and service-learning components.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: Students with credit in the former ENGL-2113(3) may not enroll in this class.

ENGL-2114(6) FAIRY TALES, FANTASY, AND CULTURE (Le3)

This course examines fairy tales from their origins in myth and folklore to their uses in contemporary culture. Students explore the major themes and characteristics of traditional tales, such as those collected by Charles Perrault and the Grimms and written by Hans Christian Andersen and Oscar Wilde. They then consider the function of fairy tales in contemporary society (in, for example, the social texts of weddings and proms) and study narratives influenced by fairy tales, particularly narratives directed to audiences of young people. Topics might include second-world fantasy; narrative revisions of fairy tales; Disney's animations of fairy tales; or contemporary narrative films using fairy-tale motifs.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: Students with credit in the former ENGL-2114(3) may not enroll in this class.

ENGL-2142(6) FIELD OF LITERARY AND TEXTUAL STUDIES (S3)

This course offers an in-depth introduction to, and practice in the skills of, literary and textual studies. Students explore the histories of literary and textual studies, including literary criticism and critical theories. They practice the skills of close reading and textual analysis, reading through the lenses of critical theories, researching, assembling bibliographies, and analyzing literary and cultural scholarship. Formats include oral presentation, seminar discussion, and formal, written, textual analysis. This course is compulsory for students entering the Honours program, open to students in the 4-year BA, and best taken soon after completing first-year English. Written permission of the Honours Chair or designate is required.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), and departmental permission.

ENGL-2145(6) FIELD OF CULTURAL STUDIES (Le3)

This course introduces students to the key concepts that underpin the field of cultural studies. The course includes readings in theory and criticism and the study of cultural forms and practices, such as written texts, film, television, visual and performance art, music, print and electronic media, as well as the institutions that shape them. Since cultural studies is overwhelmingly interdisciplinary, the course also offers instruction in research methods, interpretive strategies, and writing. Issues covered may include subcultures, urbanism, nationalism, ethnicity, postcolonialism, globalization, sexuality, and gender.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2180(6) TYPES OF POPULAR LITERATURE (Le3)

While rarely admired or discussed by literary scholars, books by writers like Stephen King or Danielle Steele are widely

read and enjoyed. Why are such books so popular? What pleasures do they offer readers, and what are the literary and ideological implications of their popularity? This course explores the history, specific characteristics, and possible cultural significance of a number of different types of popular literature, such as romance, horror, and mystery, in order to help students to develop analytical tools for reading and thinking about such texts. In addition to written texts, some attention will be paid to movie and TV versions of popular formulas.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2185(3) LITERARY COMMUNITIES (Le3)

Literary communities provide significant contexts for the writing and study of literature. This course explores the literary works, interrelated biographies, and historical/cultural contexts of communities of writers. This approach provides an alternative framework of study to those focusing on individual authors, literary periods, or genres. Possible literary communities for study in different offerings of this course might include the Bloomsbury Group, the Lake Poets, the Inklings, the expatriate American in Paris, the Beat Poets, and the Kootenay School of Writing.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2202(3) LITERATURE OF THE SIXTEENTH CENTURY (Le3)

This course is a study of representative writers of the sixteenth century with emphasis upon the major poets, dramatists, and prose writers of the period.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2203(3) LITERATURE OF THE SEVENTEENTH CENTURY (Le3)

This course is a study of representative writers (to 1660), with emphasis upon the major poets, dramatists, and prose writers of the period.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2220(3) ENGLISH LITERATURES AND CULTURES 700-1660 (Le3)

This course addresses the history of literature in English from the eighth century until the Restoration in 1660. The course may comprise an overall survey and/or an exploration of significant literary and cultural moments, movements, or topics across the time frame. Readings in the poetry, drama, and prose of the Old and Middle English, Tudor, Elizabethan, and Jacobean periods may be combined with selected theoretical and critical texts from each literary period, to demonstrate changing views about the production, reception, and role of literature in society.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2221(6) THE AGE OF CHAUCER (Le3)

This course examines a selection of medieval poetry and drama with emphasis upon Chaucer's *Canterbury Tales*. Other works studied include *Sir Gawain and the Green Knight*, *Pearl*, and selected Middle English lyrics and plays. Attention will also be given to the Middle English language and relevant philosophical and theological sources.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: May not be taken by students with credit in ENGL-2301(3), ENGL-4242(6), or ENGL-4302(6).

ENGL-2230(3) BRITISH LITERATURES AND CULTURES 1660-1901 (Le3)

This course addresses the history of British literature from 1660 through the Restoration, Eighteenth-Century, Romantic, and Victorian periods to the beginning of the twentieth century. This course may comprise an overall survey and/or an exploration of significant literary and cultural moments,

movements, or topics across the time frame. While British literature is the focus, there may also be consideration of transnational and transcultural issues such as trans-Atlantic literatures. Readings in poetry, drama, fiction, and other prose from each literary period demonstrate changing views about the production, reception, and role of literature in society.

PREREQUISITE: 6 credit hours of First-Year English, including either ENGL-1001(6) or ENGL-1000(3)

ENGL-2311(6) SHAKESPEARE (Le3) By examining critically a number of plays, this course traces Shakespeare's career as a dramatist. Students will read representative histories, comedies, tragedies and romances.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: May not be taken by students with credit in ENGL-2231(6).

ENGL-2401(6) TRAGEDY AND COMEDY IN DRAMA (Le3)

This course investigates some of the changing concepts of tragedy and comedy in British and other European drama from the Greek playwrights to Ibsen. The major emphasis of the course will be on the study of plays. Attention will also be given to classical and modern critical theorists.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2601(6) THE NOVEL (Le3) This course will vary in emphasis from year to year. It may consist of an historical overview of the national or international development of prose fiction over several centuries, or it may focus on a major fictional mode (such as "realism," for example), or it may concentrate on the formal aspects of the genre. The particular focus will be announced prior to registration. For further details, consult the Department of English website.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2603(3) SHORT FICTION (Le3) This course considers the short story both in its nineteenth-century and contemporary forms. Short fiction in different English-speaking cultures, principally in England, the United States, and Canada, will be discussed.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2604(3) POETRY AND POETIC FORM (Le3) This course introduces students to various features and forms of poetic discourse. While historical context informs lectures and class discussion, the course focuses on the figural elements of poetry (such as rhythm and rhyme, diction and tone, metaphor and allegory). By engaging in thorough discussions and varied writing assignments, students learn to become more appreciative, critical readers of poetry, and in the process expand the possibilities of their own writing.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2612(3) SCIENCE FICTION (Le3) This course explores the literature identified as "science fiction" in an attempt to define its characteristics and evaluate its strengths and weaknesses. While the texts include some Utopian and satiric fantasies of earlier centuries, the course concentrates on science fiction since H.G. Wells.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-2703(3) PLAY ANALYSIS (Le3) This is a practical course for actors, directors, and designers in the analysis of plays in rehearsal and pre-rehearsal situations. A variety of interpretive strategies are developed in approaching the problems of form, character, and theme in plays of different styles and periods. The emphasis is on Stanislavsky-

derived techniques. This course is strongly recommended for all theatre students in the Honours or the General program. This course can be used towards the Humanities Requirement.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

CROSS-LISTED: THFM-2703(3)

ENGL-2710(3) LITERATURE IN TRANSLATION (Le3) This course focuses on modern non-English-language literary texts in English translation. Reading may be organized around a genre such as the novel; a critical approach such as postcolonialism or cultural studies; a period such as Romanticism; or specific literary traditions or languages such as French, German, Spanish, and Italian. Students should consult the Department of Modern Languages and Literatures for a description of the current offering. This course may be repeated for credit when the topic varies.

PREREQUISITE: FREN-2180(3) or SPAN-2180(3) or GERM-2209(3) or 6 Credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

CROSS-LISTED: MOD-2710

ENGL-2722(6) POSTCOLONIAL LITERATURES AND CULTURES (Le3)

This course introduces students to postcolonial literatures and cultures. "Postcolonialism" is a critical term used to describe the various social, linguistic, cultural, economic, and political relationships that have existed between imperial powers and the areas they colonized. Key critical concepts in postcolonial studies such as abrogation, hybridity, and transculturation are studied through a close reading and historical, political, and cultural contextualization of literary and other cultural works. Topics may include, but are not limited to, resistance, transformation, diaspora, globalization, and ecological imperialism.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENG-2802(3) SYNTAX (Le3) Syntax is the study of the arrangement of words into groups, clauses and sentences. In this course students use morphological, syntactic, semantic, and lexical criteria to define traditional parts of speech, in order to understand how these parts of speech combine in different types of groups or phrases, which in turn form a variety of clauses and sentence types. Form and function, or class and structure, are introduced from the perspective of systemic functional and communication linguistics. Then, these descriptive frameworks are contrasted with transformational generative models.

PREREQUISITE: 6 credit hours of First-Year English, including either ENGL-1001(6) or ENGL-1000(3), or departmental permission.

RESTRICTIONS: This course may not be taken by students with credit in ENG-2802(3) Syntax and Semantics.

CROSS-LISTED: LING-2003(3)

ENG-2803(3) PHONETICS AND PHONOLOGY (Le3) The course describes all English consonant and vowel sounds in terms of their place and manner of articulation. It also identifies how sounds are organized into syllables and words by studying the concepts of phonemes, allophones, and phonological rules. Although the focus is on English phonology, the course refers to other languages to illustrate key concepts.

PREREQUISITE: 6 credit hours of First-Year English, including either ENGL-1001(6) or ENGL-1000(3), or departmental permission.

RESTRICTIONS: This course may not be taken by students with credit in the former ENG-2803(3) Phonology and Morphology.

CROSS-LISTED: LING-2001(3).

ENG-2804(3) LANGUAGE AND CULTURE (Le3) The course examines how language encodes cultural dialects from different regions and time periods within various social and cultural contexts. Selected British, American, and Canadian dialects are studied from specific historical and contemporary periods. Social factors such as age, gender, ethnicity, class, socio-economic, educational, political, and religious factors are considered from a sociolinguistic perspective. The course also examines language and dialects related to various registers, such as student-teacher classroom exchange, job interviews, work talk, and casual conversation. To examine the differences in these registers, functional and systemic perspectives of communication linguistics are introduced.

PREREQUISITE: 6 credit hours of First-Year English, including either ENGL-1001(6) or ENGL-1000(3), or departmental permission.

CROSS-LISTED: LING-2101(3).

RESTRICTIONS: This course may not be taken by students with credit in the former ENGL-2804 Varieties of English.

ENG-2805(3) MORPHOLOGY (Le3) This course introduces students to the concepts and methods of word analysis. Students investigate the nature of morphemes (smallest units of meaning), their different types and functions, and the different ways they are organized into words. The course explores the process of word formation through derivation and compounding as well as grammatical uses of inflectional morphemes. Based largely in English, both lectures and exercises also draw on various other languages to highlight key morphological features and constructs.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), or departmental permission.

RESTRICTIONS: This course may not be taken by students with credit in the former ENG-2803(3) Phonology and Morphology.

CROSS-LISTED: LING-2002(3).

ENG-2806(3) SEMANTICS: PHILOSOPHICAL FOUNDATIONS

(Le3) This course offers an introduction to the basic concepts and methods in the analysis of natural language meaning. Students examine current approaches and assess their merits. Approaches to be covered may include structuralist semantics, cognitive semantics, referential semantics, and radical pragmatics.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), or departmental permission.

CROSS-LISTED: LING-2004(3), PHIL 2374(3).

ENGL-2902(3) WOMEN WRITERS BEFORE 1900 (Le3)

This course offers a select survey of women writers, theorizing about women and feminist theory from the Middle Ages to 1900. Lectures and discussion provide historical, cultural, political, and artistic contexts for the texts, and information about the material conditions of women at different points in history. The course also considers women in relationship to various literary and cultural movements from the medieval to Victorian periods, such as the Renaissance, Neoclassicism, Romanticism, Aestheticism, and Decadence.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

CROSS-LISTED: WGS-2902(3)

ENGL-2912(3) WOMEN WRITERS AFTER 1900 (Le3)

This course offers a select survey of women writers and feminist theory from 1900 to the present. Lectures and discussion provide historical, cultural, political, and artistic contexts in which to consider women as authors, subjects and readers. The course also considers the role gender plays in such

post-1900 literary and cultural movements as modernism, postmodernism, and postcolonialism.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

CROSS-LISTED: WGS-2912

ENGL-2922(3) TOPICS IN WOMEN WRITERS (Le3)

This course focuses on a topic in the field of women writers which varies from year to year. The topic area may be defined by genre; historical period; literary and cultural movement; or local, national, or global communities. Students should consult the English Department website for information about specific iterations of the course. This course may be repeated for credit when the topic varies.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

CROSS-LISTED: WGS-2922 Topics in Women Writers

ENGL-3101(6) CREATIVE WRITING COMPREHENSIVE

(Le3) This course focuses on the fundamentals of writing poetry and short fiction. Students engage in workshops and discussions about the art and craft of writing. The readings and assignments are designed to develop skills in creating and editing both fiction and poetry. Interested students should submit a ten-page portfolio of their writing, including at least FOUR pages of prose and TWO of poetry, to the English Department, well before registration. Enrolment is limited.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), and ENGL-2102(3) and written permission of the instructor.

COREQUISITES: ENGL-2002(3).

RESTRICTIONS: This course may not be taken by students with credit in the former ENGL-3101(6) Creative Writing: Fiction and Poetry.

ENGL-3102(1) CREATIVE WRITING FIELD RESEARCH

(SV) This course gives students the opportunity to work in groups with a professional writer for a short period and to engage in off-campus research as inspiration for creative writing projects. Each section takes a unique approach to specific aspects of writing; some sections may be offered entirely off campus. Interested students should submit a portfolio (five pages of their own writing in any genre) to the English Department well before registration. Please note that this course is one credit hour only and is graded on a Pass/Fail basis. This course may be repeated for credit when the topic varies.

Prerequisites: 12 credit hours in English and permission of Department.

RESTRICTIONS: Students may take this course only three times for credit.

ENGL-3112(6) ADVANCED CREATIVE WRITING (Le3)

This course provides further training in the writing of fiction or poetry for students who have successfully completed ENGL-3101(6) and who submit an appropriate portfolio. Student writing is discussed in workshops and individual conferences, and a major project must be completed. Enrolment is limited. Interested students should submit a portfolio of their writing to the Assistant, Department of English, by May 15. Each portfolio must consist of TEN pages of writing, including at least FOUR pages of prose. Students missing the deadline should consult with the instructor as soon as possible. The prerequisite may be waived under certain circumstances.

PREREQUISITE: ENGL-3101(6) and written permission of the instructor.

ENGL-3113(3) WRITING SHORT FICTION (Le3)

This course is designed for students who wish to concentrate on the craft of writing fiction, with a focus on the short story. Topics include characterization, dialogue, narrative structure

and various elements of style. Interested students should submit a five-page portfolio of their own fiction to the Department of English well before registration.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), and written permission of the instructor.

RESTRICTIONS: This course may not be taken by students with credit in the former ENGL-3113(3) Creative Writing: Fiction.

ENGL-3114(3) WRITING POEMS (Le3) This course is designed for students who wish to concentrate on the craft of writing poems. Topics include metre, rhythm, lineation, imagery and various elements of poetic language. Interested students should submit a five-page portfolio of their own poetry to the Department of English well before registration.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), and written permission of the instructor.

RESTRICTIONS: This course may not be taken by students with credit in the former ENGL-3114(3) Creative Writing: Poetry.

ENGL-3115(3) WRITING FOR CHILDREN (Le3) This course allows students to explore and practise various forms of writing for children. Students read both successful classics and unconventional works that may question strict definitions of "children's" literature. In any given offering of the course, the instructor might focus on picture books, fiction for young adults, or other forms. Please consult the English department website for a current course description.

Interested students should submit a five-page portfolio of their own writing (any genre) to the Department of English well before registration.

PREREQUISITE: ENGL-2102(3).

RESTRICTIONS: This course may not be taken by students with credit in the former ENGL-3115(3) Creative Writing: Writing for Children.

ENGL-3116(3) TOPICS IN CREATIVE WRITING (Le3) This course explores a particular approach to creative writing or a specialized topic in the field of creative writing. The content varies from year to year. The course may focus on a specific genre (e.g., memoir, mystery, or science fiction); an issue of identity (e.g., region, sexuality, or ethnicity); or other topic (e.g., experimental writing; editing; chapbook publishing; or traditions in story-telling). Please consult the English Department website for a detailed course description in any given year.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), and written permission of the instructor.

RESTRICTIONS: This course may not be taken by students with credit in the former ENGL-3116(3) Workshop in Creative Writing.

ENGL-3117(3) POETRY FOR YOUNG PEOPLE (Le3) This course explores poetry and poetic forms written for young people. In any given offering of the course, the poetry studied might have a historical dimension, or the course may focus exclusively on contemporary poetry or poetic forms from one or more regions. Attention is paid to the role that ideological figurations of the child, childhood, or adolescence play in poetic constructions of youth and young readers. Poetic forms studied may include, but are not limited to, nursery rhymes, nonsense verse, slam poetry, hip-hop, rap, dub poetry, novels in verse, plays in verse, and poetry written by young people.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3118(3) TOPICS IN FICTION FOR YOUNG PEOPLE (Le3) This course examines varieties of narratives produced for children and adolescents from the end of the nineteenth century to the present. Students explore narrative structures and strategies, as well as theories of children's literature.

Topics may include regional literature; global fiction in English for young people; canonical texts and texts that resist mainstream cultures; writing by young people; the forms, production, and reception of narrative; girls' books and boys' books; fantasy; and coming-of-age narratives.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3) and 3 credit hours of study in Young People's Texts and Cultures at the 2000 level.

RESTRICTIONS: May not be taken by students with credit in ENGL-2115(3).

ENGL-3119(3) CANADIAN CHILDREN'S LITERATURES AND CULTURES (Le3) This course investigates children's texts in Canada in order to examine various ideologies of Canadian childhood(s). Topics considered may include multiculturalism and its discontents; historical texts and the production of history; nationhood and border anxieties; the performance of gender and sexual identities; and territory, the land, and dis/possession.

PREREQUISITE: 6 credit hours of First-Year English including ENGL-1001(6) or ENGL-1000(3) and 3 credit hours of study in Young People's Texts and Cultures at the 2000 level.

RESTRICTIONS: May not be taken by students with credit in ENGL-2116(3).

ENGL-3120(6) PRACTICUM IN LITERATURE, LITERACY AND LANGUAGE (S3, AV) Students arrange volunteer work placements with organizations that support literature, literacy, and language development in Manitoba. First, students identify areas of interest, explore the theory and implications of the proposed work, and design the terms of their commitment and accountability within their chosen settings. Then they work at the placement and participate in the seminar so that they may reflect upon and represent their practicum work.

PREREQUISITES: At least 6 credit hours in English at the 2000 level or above.

ENGL-3122(3) SPECIAL STUDIES I (Le3) Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way, and only where the course proposal follows departmental guidelines and receives approval from the Departmental Curriculum Committee and the Department Chair.

ENGL-3131(6) SPECIAL STUDIES II (Le3) Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way, and only where the course proposal follows departmental guidelines and receives approval from the Departmental Curriculum Committee and the Department Chair.

ENGL-3151(6) CRITICAL THEORY: AN INTRODUCTION (Le3) This course examines current theoretical debates in the fields of literary and cultural studies. Students read a range of selected texts in critical theory, from among Marxism, semiotics, psychoanalysis, reader response, poststructuralism, deconstruction, feminism, queer theory, critical race theory, postmodernism, and postcolonialism. Although we may read literary and/or other cultural texts, the focus is on theory.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: May not be taken by students with credit in ENGL-2151(6).

ENGL-3160(3) TOPICS IN YOUNG PEOPLE'S CULTURAL AND LITERARY TEXTS (Le3)

This course explores a group of literary, media, or other cultural texts for, by and/or about young people that is different in focus from courses in children's literature offered at the 2000 level. Topics vary from semester to semester, according to the instructor, and may be of interest to students of cultural studies, young people's texts and cultures, and education, among others. Possible topics include girls' books, uses of myth, Aboriginal children's texts, teen media texts, gaming and narrative theory, and narratives by and about child soldiers. Consult the English Department website for a description of the course being offered in any given semester. Students may repeat this course for credit when the topic area varies.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3) and 3 credit hours of study in Young People's Texts and Cultures at the 2000 level.

RESTRICTIONS: This course may be taken more than once.

ENGL-3169(3) FILMS FOR YOUNG PEOPLE (Le3, La1)

This course explores narrative films for young people, arguably the principal form through which contemporary North American young people encounter narrative. As well as looking at the history of the Hollywood system as this pertains to films for children and adolescents, we also look at the films for and about young people produced by international and independent filmmakers. Some attention is paid to developing strategies and a vocabulary for reading film.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3) and 3 credit hours of study in Young People's Texts and Cultures at the 2000 level.

ENGL-3180(6) THE MAKING OF PEACE AND WAR IN LITERATURES (Le3, AV)

This course examines traditional and non-traditional representations of peace and conflict by engaging traditional literary genres and non-traditional forms like documentary films, visual art, and popular theatre. It raises practical and theoretical questions about representations of violence, death, justice, and hope in relation to gender, ethnicity, nation, culture, creative identities, colonialism, imperialism, memory, and mythology. Throughout, the course explores the potential of the university as a site of peace-making. This course includes i) informal lectures and discussions, ii) explorations of diverse modes of inquiry, discovery, and analysis, iii) activist work, and iv) a practicum component.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3190(6) LITERATURE AND FILM (Le3)

This course examines how novels, plays, short stories and historical narratives are associated with and/or adapted to screenplays and films. Attention is given to narrative theory and practices, elements and principles of story design, screenplay as literary genre, the art of adaptation, and interdisciplinary creative processes. Works to be studied range from British and American classics, such as *The Scarlet Letter* and *Portrait of a Lady*, to recent Canadian and international feature films, such as *The English Patient* and *A History of Violence*.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3209(6) EIGHTEENTH-CENTURY LITERATURE AND CULTURE (Le3)

This course examines Restoration and eighteenth-century British literature, with a consistent

attempt to contextualize it within contemporary political, economic, social, and intellectual life. Relevant contexts include the appearance and development of party-system politics; the growth of commercial capitalism, urbanization, and sociability; ongoing debates over the status of women, religious minorities, colonial rule, and the institution of slavery; and the impact on literary culture of an emergent mass reading public. In response to continuing challenges to the established canon of Restoration and eighteenth-century literature, the syllabus includes works once considered representative, as well as the works by lesser known writers.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3210(6) ROMANTIC LITERATURE AND CULTURE (Le3)

This course introduces students to English literature and culture of the Romantic period (1789-1832). The course not only considers Romanticism as a complex response to a shared set of literary and philosophical anxieties, but also focuses on the interplay between the socio-political concerns of the Romantic period and the literature that the period produced. Touching on topics as contentious as the French Revolution, women's rights, and the slave trade, the course examines the ways in which issues of nationality, race, and gender shaped the work of many of the most influential men and women writers of the day.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3211(6) VICTORIAN AND EDWARDIAN LITERATURE (Le3)

This course examines the formations and transformations in British culture between the 1830s and World War I through an exploration of literary texts, cultural artefacts, and social documents. In any year, the course is organized around several specific themes, such as Empire, the domestic ideal, detection and surveillance, the cult of the child, or aestheticism; and several specific methodologies, such as cultural studies, gender and sexuality studies, narrative theory, or Marxist theory. Although this course draws on a wide range of non-canonical material, writers whose works we consider include Charlotte Brontë, George Eliot, Charles Dickens, Tennyson, the Brownings, Oscar Wilde, and Thomas Hardy.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3222(6) MODERNISM (Le3)

This course studies the literature and culture of the modernist period, from approximately 1910 to 1945, and examines the characteristics and contexts of the period itself. Students study fiction, poetry, drama, and non-fiction from a variety of national contexts and international movements. Depending on the instructor, the course may focus on such modernist movements as imagism, Futurism, Dadaism, and surrealism, and on the political, economic, social, and philosophical contexts of modernity. This course includes a cultural studies approach to investigate the relationships between literature and other cultural forms, such as painting, film, architecture, and music.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3225(6) CONTEMPORARY BRITISH LITERATURE AND CULTURE (Le3)

This course examines the transformations within British literature and culture that have occurred in the contemporary period, with a special consideration of how the idea of "culture" itself has become integral to the articulation of a post-imperial national identity. Students examine literature alongside film, television, music, and the visual arts in order to comprehend the changes in British culture and society that have come with the transformation of Britain into a multicultural nation and with

its efforts to find its geopolitical place in an era of globalization.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6)

ENGL-3401(6) MODERN DRAMA (Le3) This course consists of a critical study of plays representative of the main trends in twentieth-century theatre. Playwrights such as Ibsen, Strindberg, Chekhov, Pirandello and Brecht will be studied.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3710(6) CANADIAN LITERATURE AND CULTURE TO 1914 (Le3) This course explores Canadian literature and culture from the seventeenth to the early twentieth century. A variety of cultural texts are examined for their role in producing Canada as a simultaneously colonized, colonial, and colonizing society. Students consider how European writers represent contact with 'New World' subjects; the construction of 'invader-settler' subjectivity; Aboriginal experiences of contact and invasion-settlement; and the simultaneously geographical, cultural texts studied include early missionary accounts, exploration accounts, settlement texts, travel narratives, visual representations of the 'New World' novels, poetry, short stories, and political records.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3713(3) or (6) CONTEXTS IN CANADIAN

LITERATURE (Le3) This course explores the fiction, poetry, drama, and non-fiction written in Canada in the nineteenth, twentieth and twenty-first centuries. Literary texts are studied in their cultural, historical, political, and economic contexts. As well as looking at the influences of Aboriginal, British, and French literature and culture, students investigate the roles of gender, class, ethnicities, race, sexualities, and immigration in the changing fields of Canadian literature and culture. The specific contexts explored are determined each year by the instructor.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3714(3) LITERATURE OF WINNIPEG (Le3) In this course, we consider Winnipeg as a literary city and as a subject of literature. The works studied are written by authors who live or have lived in Winnipeg. Most of the texts take Winnipeg as their setting, often in contrast to another place, such as the rural prairie environment or immigrant characters' places of origin. This focus on the experience of different ethnic groups may include writing by and about Aboriginal, Asian, British, Eastern European, French, Jewish, and Mennonite people.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3715(3) or (6) DIASPORIC LITERATURES AND CULTURES IN CANADA (Le3) This course explores the literatures and cultures of diasporic writers and artists in Canada, including those of African, Caribbean, and Asian descent. The emphasis is on works after 1960 and on such overlapping concepts as ethnicity, citizenship, nationalism, multiculturalism, postcolonialism, and globalization. Students read a variety of literary and cultural texts, such as fiction, poetry, drama, criticism, film, art, and music, that represent diasporic experiences within the context of Canadian literature and society. Other possible topics are the immigrant experience, human rights, translation, and the intersections among race, gender, sexuality, and class. Each version of the course emphasizes different diasporic literatures and cultures.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3716(6) CANADIAN LITERATURE AND CULTURE AFTER 1914 (Le3)

This course introduces students to fiction, poetry, drama, and non-fiction written in Canada from the beginning of World War I to the present day. Literary texts are studied in their cultural, historical, political, and economic contexts, and in relation to other arts such as painting, film, music, and photography. Attention is paid to the roles of modernism, postmodernism, and postcolonialism in the construction of the Canadian literary tradition, and to women, Aboriginal, immigrant, and diasporic writers.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3717(6) ABORIGINAL LITERATURES (Le3) This course explores literary and other cultural texts by a range of Native Canadian and American authors, with a focus on texts produced during and after the 1960s. The course studies texts that address issues about individual, communal, and cultural loss and renewal through new ways of thinking, seeing, and imagining. In our explorations, we employ various reading strategies and engage contemporary critical/theoretical perspectives. Each version of the course may have a different emphasis.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3719(3) LITERATURE OF MANITOBA (Le3)

This course explores the literary culture of the Canadian Prairies through texts written by Manitoba authors. Themes examined may include the pioneer experience, establishing new communities in unfamiliar territory while recalling a cultural history from another place; the experience of colonized Aboriginal peoples; different perceptions of nature and the land; small town and big city life; and the search for intellectual, social, and religious freedom amidst perceived parochialism. Authors studied may include Margaret Laurence, Martha Ostenso, Tomson Highway, Frederick Philip Grove, Gabrielle Roy, Kristjana Gunnars, Patrick Friesen, Miriam Toews, Beatrice Culleton Mosionier, Sandra Birdsell, David Arnason, Robert Kroetsch, and W.D. Valgardson.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3720(6) AMERICAN LITERATURE AND CULTURE

TO 1914 (Le3) This course explores American literature and culture from the seventeenth to the early twentieth century, including major continuities such as Puritanism, Calvinism, revolutionary nationalism, and Transcendentalism. The course offers study of authors such as Edward Taylor, Anne Bradstreet, Phillis Wheatley, James Fenimore Cooper, R. W. Emerson, Nathaniel Hawthorne, Herman Melville, Mark Twain, Emily Dickinson, Margaret Fuller, and Henry James. Texts studied include exploration accounts, religious and spiritual treatises, captivity narratives, Aboriginal and slave narratives, autobiographies, philosophical essays, and political documents. In addition, some attention will be given to the comparative study of American, Canadian, and British literatures and cultures.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: May not be taken by students with credit in ENGL-3701(6).

ENGL-3721(6) AMERICAN LITERATURE AND CULTURE

AFTER 1914 (Le3) This course introduces students to fiction, prose, poetry, and drama written in the United States from the beginning of World War I to the present day. Literary texts are studied in their cultural, historical, political, technological and economic contexts, and in relation to other

arts such as painting, film, music, architecture and photography. Attention is paid to the roles of class, race, sexualities, gender, ethnicities, immigration, regionalism, nationalism, and neo-colonialism. Authors may include: William Carlos Williams, Wallace Stevens, Robert Frost, Sylvia Plath, Langston Hughes, Ernest Hemingway, William Faulkner, Gertrude Stein, Flannery O'Connor, John Barth, Alice Walker, and Toni Morrison.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

RESTRICTIONS: May not be taken by students with credit in ENGL-3701(6).

ENGL-3754(3) ANCIENT EPIC IN TRANSLATION (Le3)

By reading works of ancient epic in translation by important ancient authors (e.g. Homer, Apollonius, Vergil, Ovid, Lucan, Statius), students are introduced to the literary characteristics of the genre and their strategic deployment. The literary and historical contexts of specific epics are discussed in order to make their cultural significance clear.

CROSS-LISTED: CLAS-3754(3)

RESTRICTIONS: Students with credit in the former CLAS-3752(3) or CLAS-3753(3) may not gain credit in this course.

ENGL-3755(3) ANCIENT DRAMA IN TRANSLATION (Le3)

Students read the works of ancient tragic poets (e.g. Aeschylus, Sophocles, Euripides, Seneca) and of ancient comic poets (e.g. Aristophanes, Menander, Plautus, Terence) in translation. Literary conventions of both ancient tragedy and comedy are addressed. The plays are situated within their broader historical and festival contexts to make clear their cultural significance.

CROSS-LISTED: CLAS-3755(3)

RESTRICTIONS: Students with credit in the former CLAS-3752(3) or CLAS-3753(3) may not gain credit in this course.

ENGL-3756(3) TOPICS IN ANCIENT LITERATURE (Le3)

This course deals with the interpretation and appreciation of literary genres, authors, or works from the canon of Greek and Latin literature. The focus of study varies from year to year. Examples include love poetry, satire, the ancient novel, and letter-writing as a literary form. Information concerning these course offerings is provided by the Department.

CROSS-LISTED: CLAS-3756(3)

RESTRICTIONS: This course may be repeated when the topic varies.

ENGL-3800(6) STYLISTICS (Le3) This course examines the principles and methods of textual analysis as a language-centred approach to literary and non-literary discourse.

Various texts are analyzed using six descriptive linguistic tools, namely sounding (phonology), seeing (graphology), wording (lexis), arranging (syntax), meaning (semology and semantics), and ornamenting (rhetoric). Textual analysis considers the effect of writers' choices to create different reader responses to literary elements such as developing characters, building suspense, creating humour, and achieving particular rhetorical purposes.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), or departmental permission.

CROSS-LISTED: ANTH-3405(6) and LING-3001(6) Textual Analysis.

ENGL-3812(6) A HISTORY OF THE ENGLISH LANGUAGE (Le3)

This course studies the evolution of the English language as the medium of literature. The course traces the development of those aspects of phonology, morphology, syntax, and lexicon which account for the linguistic distinctiveness of texts from the Old English (*Beowulf*), Middle English (Chaucer), Early Modern English (Shakespeare), and Modern English periods. Students will

gain insight into the relationship between linguistic and literary change and experience in describing and analyzing the language of texts from various historical epochs.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), or departmental permission.

RESTRICTIONS: May not be taken by students with credit in ENGL-2811(3) or ENGL-2811(6).

ENGL-3901(6) QUEER LITERATURE, CULTURE AND THEORY (Le3)

This course offers a survey of lesbian, gay, transgender, and queer literary and cultural production. In addition to examining novels, poems, films, and plays, students read critical essays, queer theory, and case studies from the field of sexuality. Some attention is paid to the historical development of categories such as "gay," "lesbian," and "transgender"; the history of gay liberation and AIDS activism, and the relationship between the gay liberation movement and other social justice movements.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3)

CROSS-LISTED: WGS-3601(6)

ENGL-3905(3) or (6) TOPICS IN BIBLICAL TEXTS AND CULTURAL STUDIES (Le3)

This course offers a critical introduction to biblical texts and their relationships to, and influences on, literary and cultural production. Students read biblical texts in relation to a historical and generic range of literary and cultural texts that draw on, explore, challenge, parody, and satirize biblical texts, themes, images, characters, and symbols. Students examine biblical texts as they are negotiated in contemporary secular society in relation to various topics, such as histories of colonization, "English studies," and transcultural challenges. This course may be repeated for credit when the topic varies.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-3951(3) TOPICS IN FEMINIST THEORY (Le3)

This course focuses on a topic in feminist theory that varies from year to year. Possible topics include women and language; women and nature; feminism and Marxism; female communities; women and diaspora; and feminism and popular culture. Students should consult the English Department website for information about specific iterations of the course. This course may be repeated for credit when the topic varies.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

CROSS-LISTED: WGS-3951(3)

ENGL-3980(3) or (6) TOPICS IN COMICS AND GRAPHIC NARRATIVES (Le3)

This course focuses on a particular topic in the study of comics and graphic narratives. Possible topics are: autobiographical comic books; feminist comics; superhero comics; comics and film; comics and/as history; comics culture(s); individual creators. Course readings may include some non-comics texts and theoretical material. Students should consult the department website for information about the specific topic offered in a given term. This course may be repeated for credit when the topic varies.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

ENGL-4001(3) TUTORIAL HONOURS PAPER AND ORAL EXAMINATION (S, V)

This course is intended to prepare students for graduate studies in literature. Under the supervision of an appropriate instructor, students will research and write a scholarly paper, which will form the basis for a symposium or an oral examination. Students should see the Honours Chair for guidelines.

PREREQUISITES: At least 12 credit hours in English at the 2000 level or above.

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-4001(6).

ENGL-4103(3) RESEARCH APPRENTICESHIP (S3) In this apprenticeship, students reflect on how research issues influence their study of language and literature. Students meet with instructors who have similar research interests in one-to-one tutorials and seminars to discuss common research questions and practices. They may consider a range of issues, including, for example, the analysis of how key periodicals, critical studies, and professional associations define a particular research topic. This course supports the development of research skills for work in the field of English studies. Students may also be guided in the preparation of manuscripts for publication.

PREREQUISITES: ENGL-2142(6) and at least 6 credit hours at the 4000-level in English, or permission of the Department.

ENGL-4104(3) TUTORIAL APPRENTICESHIP IN ENGLISH

(S3) This course provides opportunities for experiencing and exploring learning and teaching strategies in university language and literature courses. Students assist in a designated lecture/seminar course in English in a variety of ways. They may be asked to lead tutorial groups, to facilitate seminars, to help in the preparation of course materials, to offer support to students, and to edit and evaluate students' written work. Students meet regularly with the supervising professor in order to discuss and evaluate teaching strategies and materials.

PREREQUISITES: At least 12 credit hours in English at the 2000 level or above.

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-4001(6).

ENGL-4110(6) CRITICAL THEORY (S3) This course explores current trends in critical, cultural, and literary theory. Possible areas of inquiry include Marxism, semiotics, psychoanalysis, reader response, poststructuralism, deconstruction, feminism, queer theory, critical race theory, postmodernism, and postcolonialism.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4122(3) SPECIAL STUDIES I (S3) Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way, and only where the course proposal follows departmental guidelines and receives approval from the Departmental Curriculum Committee and the Department Chair.

PREREQUISITES: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4131(6) SPECIAL STUDIES II (S3) Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way, and only where the course proposal follows departmental guidelines and receives approval from the Departmental Curriculum Committee and the Department Chair.

PREREQUISITES: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4211(6) THE ROMANTIC MOVEMENT IN ENGLISH LITERATURE (S3) This course is a study of the origins and modes of Romanticism. Emphasis will be placed upon Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

PREREQUISITES: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4242(6) MEDIEVAL LITERATURE 1350-1500 (S3)

This course discusses representative works of medieval romance and visionary allegory toward an appreciation of these two seminal genres. The course focuses particularly on *Sir Gawain and the Green Knight*, Malory's *Morte d'Arthur*, *Pearl*, and *Piers Plowman*. Some continental predecessors in translation (*Romance of the Rose* and Chretien's romances), lays and metrical romances, lyrics, mystery plays, and works by known female authors, as well as texts from medieval revivals in later centuries, may also receive attention.

PREREQUISITE: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4251(6) SIXTEENTH-CENTURY LITERATURE (S3)

This course studies a selection of poetry, drama, and prose by sixteenth-century English writers. Attention is given to developments in literary styles and to significant religious, scientific, political, social, and philosophical contexts, such as, for example, the new world, exploration and colonization, religious reformation, the rise of individualism, and the discourse of gender relations.

PREREQUISITE: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4261(6) SEVENTEENTH-CENTURY LITERATURE

(S3) This course studies a selection of poetry, drama, and prose by seventeenth-century English writers. Attention is given to developments in literary styles and to significant religious, scientific, political, social, and philosophical contexts, such as, for example, Kingship, puritanism, exploration and colonization, civil war, and revolution.

PREREQUISITE: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-4271(6).

ENGL-4270(6) EIGHTEENTH-CENTURY STUDIES (S3)

This course provides students with a grounding in the intellectual, cultural, and literary environments of the eighteenth century in England by studying literary texts as well as other cultural texts. We focus on such dominant discourses as Enlightenment and Sensibility, investigating how they were disseminated through canonical texts in the period. We also consider challenges offered to dominant culture by marginalized writers. Students are expected to develop familiarity with a variety of theoretical approaches such as Marxist or class analysis, postcolonial theory, feminist theory, new historicism, cultural theory, and discourse analysis.

PREREQUISITE: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-4221(6).

ENGL-4281(6) VICTORIAN AND EDWARDIAN STUDIES

1837-1910 (S3) This course studies the ways in which the literatures of the Victorian and Edwardian periods expressed and struggled with such intellectual, political, and social issues as evolution, colonialism and imperialism,

industrialization, and first-wave feminism. Attention will be given to a range of genres, including canonical and popular fiction, essays, and poetry.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-3211(6) or ENGL-4511(6).

ENGL-4285(6) TOPICS IN MODERNISM (S3) This course focuses on some of the literary and cultural texts of modernism, understood as a series of contemporaneous transnational artistic and cultural movements between approximately 1910 and 1945. Topic areas vary depending on instructor, but may include women and modernism, modernism and imperialism, modernist literature and the visual arts, the Harlem Renaissance, the modernist avant-gardes, or popular modernisms.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4294(3) or (6) TOPICS IN CONTEMPORARY

BRITISH CULTURE (S3) This course offers an in-depth examination of some aspect of contemporary British culture. Topic areas vary depending on the instructor, but may include multicultural Britain, black Britain, gender and contemporary Britain, British film and television, youth cultures in Britain, visual culture in Britain, representations of British devolution, the heritage film and historical fiction, British popular culture, and so on. Please consult the English Department website for a detailed course description in any given year.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4301(6) CHAUCER (S3) An interpretative reading of Chaucer's poetry is offered and supported by a study of his language, versification, and philosophical, literary, and theological sources. The course will include the *Canterbury Tales*, *Troilus and Criseyde*, *The Book of the Duchess*, *The Parliament of Fowls*, *The House of Fame*, *The Legend of Good Women*, and a number of the lyrics.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4311(6) TOPICS IN SHAKESPEARE (S3) This course provides a study of Shakespeare in relation to current cultural concerns. In addition to a selection of Shakespeare's works, it may, for instance, deal with re-makings of those works in various media, or with the analysis of Shakespeare's works from various cultural approaches, such as postcolonialism, materialism, and feminism. Students should consult the English Department website for a description of the course being offered in any year.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-2311(6).

ENGL-4341(3) INDIVIDUAL AUTHOR I (S3) Like ENGL-4342(3) Individual Author II, this course offers students the opportunity for intensive study of an author on whose work there is a significant body of criticism. Each time the course is offered the name of the author will be listed on the English Department website.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4342(3) INDIVIDUAL AUTHOR II (S3) Like ENGL-4341(3) Individual Author I, this course offers students the opportunity for intensive study of an author on whose work there is a significant body of criticism. Each time the course is offered the name of the author will be listed on the English Department website.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4442(6) TOPICS IN DRAMA AND DRAMATIC THEORY (S3)

This course provides a critical study of an area of drama in relation to theories of dramatic form, performance, and ideology. It may, for instance, in one year involve the study of the work of a limited number of authors; in another, dramatic texts from a particular historical period or specific genres within drama. Students should consult the English Department website for a description of the course being offered in any given year.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4710(3) or (6) TOPICS IN CANADIAN LITERATURE

(S3) This course offers a study of an area of Canadian literature not covered by the general courses in Canadian literature. It may, for instance, involve the study of a limited number of authors or an historical period, or it may focus on one or two genres or on critical theory in relation to Canadian literature.

PREREQUISITES: 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-4711(6) and ENGL-4712(6).

ENGL-4720(6) TOPICS IN AMERICAN LITERATURE (S3)

This course offers a study of an area of American literature not covered by the general courses in American literature. It may, for instance, involve the study of a limited number of authors or an historical period, or it may focus on one or two genres or on critical theory in relation to American literature.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

RESTRICTIONS: May not be taken by students with credit in ENGL-4531(3) or ENGL-4651(3) without Departmental permission.

ENGL-4730(3) or (6) TOPICS IN POSTCOLONIAL

STUDIES I (S3) This course investigates some of the central questions in the field of postcolonial studies through an analysis of literary, popular, and theoretical works from one or more of these regions: Africa, the Caribbean, South Asia, and/or the Middle East. Please consult the English Department website for a detailed course description in any given year.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4740(6) TOPICS IN COMPARATIVE LITERATURE

(S3) This course focuses on a topic in the field of comparative literature, the study of literatures and cultures, literary history, and theory, across two or more linguistic groups, cultures, or national literatures. Texts originally written in other languages are normally read in translation. Students should consult the English Department website for information about specific iterations of the course. This course may be repeated for credit if the topic varies.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITE: ENGL-2142(6).

ENGL-4823(3) OLD ENGLISH LANGUAGE (S3) This course provides an introduction to Old English (Anglo-Saxon). The study of sounds, vocabulary, and structure is followed by the translation and analysis of representative Old English literature, mainly prose.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

ENGL-4841(3) OLD ENGLISH LITERATURE (S3) This course provides an introduction to the literature of Old English (Anglo-Saxon), by means of translation and analysis of selected prose and poetry, with proper emphasis upon *Beowulf*.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3), and ENGL-4823(3).

COREQUISITES: ENGL-2142(6).

ENGL-4901(6) TOPICS IN GENDER, LITERATURE AND CULTURE (S3) Over the past thirty years, Feminism,

Gender Studies and Queer Theory have had a profound impact on the study of literature, film, and other forms of cultural production. This course focuses on a topic in gender, literature, and culture that varies from year to year. Possible topic areas are the continued relevance of feminism and feminist theory to literary study, queer theory and its impact on how we read texts, and the intersection of postcolonial theory, gender, and literary and cultural production. Students should consult the Departmental website for more details.

PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).

COREQUISITES: ENGL-2142(6).

EXPERIMENTAL COURSE DESCRIPTIONS

Experimental Courses are new courses offered on a trial basis to gauge interest in a topic. Students who successfully complete any experimental course receive credit as indicated.

ENGL-3709(3) TOPICS IN CANADIAN LITERATURE AND CULTURE (Le3) This course focuses on a topic in Canadian Literature and Culture which varies from year to year.

Possible topics are: memoirs and life writing; the gothic; travel writing; historical fiction; alternative comics; Black Canadian writing; trauma and memory; Mennonite writing; representations of disability; dystopias; and bestsellers and prize winners. Students should consult the English Department website for information about the specific iterations of this course. This course may be repeated once for credit when the topic varies.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-100(3).

ENGL-3723(3) TOPICS IN INDIGENOUS TEXTS AND CULTURES (Le3) This course examines a range of texts by Indigenous artists and other cultural producers. In an era

when stereotypes, racism, injustices and inequities continue to undermine the well being of many, Indigenous artists, along with Indigenous and non-Indigenous scholars across a range of disciplines, activists, community members, and others are contributing to Indigenous peoples' health, healing, and self-determination. The course emphasizes Indigenous values, knowledges, and theories. In a given year, we might focus on a specific artist, nation, country, genre, or period. Students should consult the English Department website for a description of the course offered in a given year. This course may be repeated once for credit when the topic varies.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3)

ENGL-3920(3) REPRESENTATIONS OF DISABILITY IN LITERARY AND CULTURAL TEXTS (Le3) This course

examines social, cultural, historical, political, and aesthetic ideas about disability as they are expressed in literary and cultural texts. Students use the skills of textual and theoretical analysis to examine a range of texts that may include novels, performance texts, poetry, short stories, children's and young people's texts, feature films,

documentary films, visual art, graphic narratives, blogs, YouTube videos, and other texts generated by social media. Students consider representations of disability in relation to a wide range of topics, including aging, creative identity, colonialism, culture, ethics, ethnicity, family, gender, human rights, imperialism, memory, mythology, nation, and sexuality.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-100(3).

ENGL-4160(3) ADVANCED STUDIES IN YOUNG PEOPLE'S CULTURAL AND LITERARY TEXTS (S3) This

course offers a focused study of an area of young people's texts and cultures, such as narrative fiction and film, digital culture, or material culture. It may be organized as an exploration of texts and cultures of a particular period, or it may consider a figure, genre, or theme across a range of historical periods and/or contemporary moments. Possible topics include Victorian children's literature; the tween and the teen; revisionist fairy tales; and transnational literacy.

This course may be of interest to students of young people's texts and cultures, cultural studies, and Education, in addition to Honours English students. NOTE: ENGL-2003(6) or ENGL-2145(6) also count as co-requisites.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3)

COREQUISITES: ENGL-2142(6) or permission of instructor.

ENGL-4717(3) TOPICS IN ABORIGINAL LITERATURE AND CULTURE I (S3) This course examines Canadian

Aboriginal and/or Native American literary and non-literary oral and recorded texts produced up to and including the 1960s. It explores the political, historical, and cultural contexts, as well as the traditions, that helped to shape contemporary Indigenous artistic thought and expression. Examining pre-1960s Aboriginal artistic production in the broader context of the movement towards self-determination, the course draws from and emphasizes Indigenous values, knowledges, and theories. Students should consult the English Department website for a description of the course being offered in any given year.

PREREQUISITE: 6 credit hours of First-Year English.

COREQUISITES: ENGL-2142(6) or permission of the instructor.

ENGL-4718(3) TOPICS IN ABORIGINAL LITERATURE AND CULTURE II (S3) This course examines Canadian Aboriginal and/or Native American literary and non-literary texts produced after the 1960s. In a given year, it might focus on a specific nation, territory, author or artist; or specific texts, such as prose, poetry, and drama; or other contemporary art forms and cultural productions such as graphic novels, film, tattoos, and hip hop. Examining these texts in the broader context of Aboriginal peoples' self determination, the course draws from and emphasizes Indigenous values, knowledges, and theories. Students should consult the English Department website for a description of the course being offered in any given year.

PREREQUISITE: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-100(3)..

COREQUISITES: ENGL-2142 (6) or permission of the instructor.

ENVIRONMENTAL STUDIES AND SCIENCES (ENV)

Updated March 11, 2013

Note: The department/program code ENV replaces the former code 84. Students cannot hold credit in ENV-xxxx and the former 84.xxxx having the same course number (e.g., ENV-1600(3) and 84.1600(3)).

Chair: D. Kumaragamage; Faculty: A. Diduck, D. Kumaragamage, J. Tardif, R. Westwood, C. Wong. Program Advisors: Biology, E. Byard; Forest Ecology, J. Tardif, R. Westwood; Sustainability, A. Diduck, K. Patel; Global Issues, M. Vachon, D. Kumaragamage; Environmental Chemistry, E. Segstro, C. Wong; GIS, E. Cloutis; Social Environment, K. Fish; Economics, S. Baksi; Politics, S. Peou; Philosophy, J. Zupko; Department Assistant: Tania Guevara Sandoval.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

4-year Honours BA

4-Year BSc

4-year Honours BSc

4-Year BSc (Business stream)

4-Year BSc in Applied Environmental Studies (UW/RRC)

5-Year BSc in Applied Environmental Studies (UW/RRC)

INTRODUCTION

The Environmental Studies Program was founded in 1970 as one of the first interdisciplinary undergraduate environment programs in Canada, and one of the first few to emerge worldwide. During the last three decades the activities and the functions of the program grew substantially and in 2012, changed its name and status to a Department.

Following the general principles of sustainability, the Department of Environmental Studies and Sciences takes an integrated yet practical approach to human-environmental interactions and resource and environmental problems. The mission of the Department is to maintain and restore the health of the ecosphere and its people by i) educating and training the environmental leaders of tomorrow, ii) creating and disseminating knowledge, and iii) engaging with communities at local, regional and global levels.

The Department of Environmental Studies and Sciences offers various degree options: 3-Year BA, 4-Year BA, 4-Year Honours BA, 4-Year BSc and 4-Year / 5-year BSc (joint program with Red River College) or 4-Year Honours BSc. BA students can take either the Issues in Sustainability stream or the Urban Environments stream. BSc students can choose from among four streams: Chemistry, Forest Policy and Management, Forest Ecology and Global Environmental Systems. Students also have the opportunity to add on a Business Stream (see the "Science with a Business Stream" section of this Course Calendar). The joint program with Red River College offers 4-year and 5-year options, where the 5-year option includes a full co-op work term.

REQUIREMENTS FOR A 3-YEAR BA

ADMISSION REQUIREMENT	Students must meet prerequisites where required.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing. RHET-1106(3) Academic Writing: Links with the Disciplines, Environmental Studies, is recommended.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Issues in Sustainability, 60 credit hours; Urban Environments, 57 credit hours.
Double Major:	The student must meet both the requirements of Environmental Studies and Sciences and those of the second Major Department. A course listed by both Department counts towards both Majors (unless it is clearly stated otherwise in that discipline's section of this Calendar).
Combined Major:	Minimum 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject. Required courses depend on second major and will be determined in consultation with the department advisor

ISSUES IN SUSTAINABILITY

BIOL-1106(3)	Environmental Biology	ENV-3609(3)	Research Methods and Design
CHEM-2801(3)	Chemistry and Society	ENV-3610(3)	Research Projects
ECON-1104(3)	Introduction to Economic Theory	one of:	
ECON-2317(3)	Environmental Economics	POL-2505(3)	Issues in City Politics
GEOG-1201(3)	Introductory Atmospheric Science	POL-3411(3)	Aboriginal People and the Law 1
GEOG-1202(3)	Introductory Earth Science	POL-4520(3)	Theories of Urban Poverty
GEOG-2309(3)	Statistical Techniques in Environmental Analysis	UIC-3030(3)	Urban and Community Planning
		one of:	
GEOG-2414(3)	The Urban Environment	ECON-3305(3)	Economic Development*
PHIL-2233(3)	Environmental Ethics	ECON-3306(3)	International Aspects of Economic Development*
POL-2300(6)	Public Administration		
ENV-1600(3)	Human-Environmental Interactions	IDS-3111(3)	An Analysis of Development Aid Policies*
ENV/IDS- 2603(3)	Environmental Sustainability: A Global Dilemma	IDS-3110(3)	Poverty-Focused Development*

9 credit hours from among:

ECON-2311(3)	Economics of Natural Resource Extraction	SOC-2404(3)	Sociology of Development and Underdevelopment*
ECON-2318(3)	Energy Economics	SOC-2501(3)	Technology and Society
GEOG-2204(3)	Human Impact on the Environment	SOC/ENV-2502(3)	Sociology of the Environment
GEOG-2401(3)	Agricultural Geography	ENV-2604(3)	Environment and Health
GEOG-2408(3)	Environmental Perception and Human Behaviour*	ENV/UIC-3603(3)	Winnipeg and the Environment: A Case Study Approach
GEOG-2411(3)	Geography of Globalization*	ENV-4614(3)	Critical Environmental Issues
GEOG-3401(3)	Population Geography*		
POL-3310(3)	Health Care and Environmental Policy		
SOC-2121(3)	Population Problems*		

* courses with prerequisites that are not required courses in the major

URBAN ENVIRONMENTS

Required courses:

BIOL-1106(3)	Environmental Biology	PHIL-2233(3)	Environmental Ethics
CHEM-2801(3)	Chemistry and Society	POL/UIC-2020(3)	Colonization and Aboriginal Peoples
ECON-1104(3)	Introduction to Economic Theory	ENV-1600(3)	Human-Environmental Interactions
ECON-2317(3)	Environmental Economics	ENV-2604(3)	Environment and Health
GEOG-1201(3)	Introductory Atmospheric Science	ENV/UIC-3025(3)	Issues in Sustainable Cities
GEOG-1202(3)	Introductory Earth Science	ENV-3035(3)	Law and the Environment
GEOG-2309(3)	Statistical Techniques in Environmental Analysis	ENV/UIC-3603(3)	Winnipeg and the Environment: A case Study Approach
GEOG-2414(3)	The Urban Environment	ENV-3609(3)	Research Methods and Design
GEOG-2415(3)	An Introduction to Urban Development	ENV-3610(3)	Research Projects

Suggested electives:

BIOL-4411(3)	Water Quality and Health*	POL-2505(3)	Issues in City Politics
BIOL-4475(3)	Urban Forestry*	POL-3500(6)	Globalization and City Politics
CHEM-3601(3)	Environmental Chemistry*	POL-4505(6)	Politics of Urban Planning
ECON-3303(3)	Economics of Public Expenditures*	POL-4520(3)	Theories of Urban Poverty
ECON-3315(3)	Urban Economics*	REL-2505(3)	Religious Interpretations of the City
GEOG-2411(3)	Geography of Globalization*	SOC-2120(3)	Sociology of Communities*
GEOG-3401(3)	Population Geography*	SOC-3113(6)	Sociology of Cities and Urban Life*
GEOG-3402(3)	Urbanization in the Developing World	UIC-2001(3)	Community Development
GEOG-3413(3)	Urban Revitalization	UIC-3020(3)	Women in the Inner Cities
GEOG-3480(3)	Water Resources	IDS-3110(3)	Poverty-Focused Development*
GEOG-4403(3)	Urban Land Use - Developmental Processes	ENV-2416	
GEOG-4404(3)	Field Research in Urban Geography	/GEOG/WGS(3)	Sex, Gender, Space and Place
HIST-3544(6)	The History of Winnipeg	ENV/SOC-2502(3)	Sociology of the Environment
HIST-4550(6)	Advanced Studies in the History of Canadian Regions and Communities	ENV-2521(3)	Voluntary Simplicity
POL-2300(6)	Public Administration	ENV- 2603(3)	Environmental Sustainability
POL-2500(3)	City Politics	ENV-3606(3)	Business and the Environment
		ENV-4611(6)	Environmental Impact Assessment
		ENV-4614(3)	Critical Environmental Issues

* courses with prerequisites that are not required courses in the major

REQUIREMENTS FOR A 4-YEAR BA

ADMISSION REQUIREMENT	Students must meet prerequisites where required.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Science:	6 credit hours
Social Science:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing. RHET-1106(3) Academic Writing: Links with the Disciplines, Environmental Studies, is recommended.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
4000-Level Courses:	Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of department.
MAJOR REQUIREMENT	
Single Major:	Issues in Sustainability, 72 credit hours; Urban Environments, 72 credit hours.
Double Major:	The student must meet both the requirements of Environmental Studies and Sciences and those of the second Major Department. A course listed by both Departments counts towards both Majors (unless it is clearly stated otherwise in that discipline's section of the Calendar).
Combined Major:	Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject. Required courses depend on second major and will be determined in consultation with the departmental advisor.

ISSUES IN SUSTAINABILITY

Required courses:

BIOL-1106(3)	Environmental Biology	ENV-1600(3)	Human-Environmental Interactions
CHEM-2801(3)	Chemistry and Society	ENV/IDS-2603(3)	Environmental Sustainability: A Global Dilemma
ECON-1104(3)	Introduction to Economic Theory	ENV-3609(3)	Research Methods and Design
ECON-2317(3)	Environmental Economics	ENV-3610(3)	Research Projects
GEOG-1201(3)	Introductory Atmospheric Science	one of:	
GEOG-1202(3)	Introductory Earth Science	ECON-3305(3)	Economic Development*
GEOG-2309(3)	Statistical Techniques in Environmental Analysis	ECON-3306(3)	International Aspects of Economic Development*
GEOG-2414(3)	The Urban Environment*	IDS-3111(3)	An Analysis of Development Aid Policies*
PHIL-2233(3)	Environmental Ethics	IDS-3110(3)	Poverty-Focused Development*
POL-2300(6)	Public Administration		
POL-2505(3)	Issues in City Politics		
POL-4520(3)	Theories of Urban Poverty		
18 credit hours from among:			
ECON-2311(3)	Economics of Natural Resource Extraction	POL-3105(6)	Global Political Economy
ECON-2318(3)	Energy Economics	POL-3310(3)	Health Care and Environmental Policy
ECON-3302(3)	International Finance	SOC-2121(3)	Population Problems*
ECON-3303(3)	Economics of Public Expenditures	SOC-2404(3)	Sociology of Development and Underdevelopment*
ECON-3315(3)	Urban Economics*	SOC-2501(3)	Technology and Society
GEOG-2204(3)	Human Impact on the Environment	SOC-3113(6)	Sociology of Cities and Urban Life*
GEOG-2401(3)	Agricultural Geography	IDS-1100(6)	Introduction to International Development
GEOG-2407(3)	Recreation Geography*	CRS-1200(6)	Introduction to Conflict Resolution Studies
GEOG-2408(3)	Environmental Perception and Human Behaviour*	IDS-2131(3)	Rural Development*
GEOG-2411(3)	Geography of Globalization*	IDS-2181(3)	Selected Topics in International Development Studies*
GEOG-3216(3)	Arctic Environments	IDS-3111(3)	Analysis of Development Aid Policies*
GEOG-3217(3)	Tropical Environments	ENV/SOC-2502(3)	Sociology of the Environment
GEOG-3401(3)	Population Geography*	ENV-2604(3)	Environment and Health
GEOG-3402(3)	Urbanization in the Developing World*	ENV-3606(3)	Business and the Environment
GEOG-3408(3)	Water Resources*	ENV/UIC-3603(3)	Winnipeg and the Environment: A Case Study Approach
GEOG-4441(3)	Advanced Studies in Environmental Perception*		
POL-2100(6)	Global Politics	ENV-4614(3)	Critical Environmental Issues

* courses with prerequisites that are not required courses in the major

URBAN ENVIRONMENTS

Required courses:

BIOL-1106(3)	Environmental Biology	PHIL-2233(3)	Environmental Ethics
CHEM-2801(3)	Chemistry and Society	POL-2500(3)	City Politics
ECON-1104(3)	Introduction to Economic Theory	POL-2505(3)	Issues in City Politics
ECON-2317(3)	Environmental Economics	ENV-1600(3)	Human-Environmental Interactions
GEOG-1201(3)	Introductory Atmospheric Science	ENV-2604(3)	Environment and Health
GEOG-1202(3)	Introductory Earth Science	ENV/UIC-3025(3)	Issues in Sustainable Cities
GEOG-2309(3)	Statistical Techniques in Environmental Analysis	ENV-3035(3)	Law and the Environment
GEOG-2414(3)	The Urban Environment	ENV/UIC-3603(3)	Winnipeg and the Environment: A Case Study Approach
GEOG-2415(3)	An Introduction to Urban Development	ENV-3609(3)	Research Methods and Design
		ENV-3610(3)	Research Projects

15 credit hours from among:

BIOL-4411(3)	Water Quality and Health*	POL-4505(6)	Politics of Urban Planning
BIOL-4475(3)	Urban Forestry*	POL-4520(3)	Theories of Urban Poverty
CHEM-3601(3)	Environmental Chemistry*	REL-2505(3)	Religious Interpretations of the City
ECON-3303(3)	Economics of Public Expenditures*	SOC-2120(3)	Sociology of Communities*
ECON-3315(3)	Urban Economics*	SOC-3113(6)	Sociology of Cities and Urban Life*
GEOG-2411(3)	Geography of Globalization*	UIC-2001(3)	Community Development
GEOG-3401(3)	Population Geography*		
GEOG-3402(3)	Urbanization in the Developing World	UIC 2220 (3)	Urban Poverty and Policy
GEOG-3413(3)	Urban Revitalization	UIC-3020(3)	Women in the Inner Cities
GEOG-3480(3)	Water Resources	UIC-3030(3)	Urban and Community Planning
GEOG-4403(3)	Urban Land Use - Developmental Processes	IDS-3110(3)	Poverty-Focused Development*
GEOG-4404(3)	Field Research in Urban Geography	ENV-2416(3)	Sex, Gender, Space and Place
HIST-3544(6)	The History of Winnipeg	ENV/SOC-2502(3)	Sociology of the Environment
HIST-4550(6)	Advanced Studies in the History of Canadian Regions and Communities	ENV-2521(3)	Voluntary Simplicity
POL-2300(6)	Public Administration	ENV-2603(3)	Environmental Sustainability
POL-3500(6)	Globalization and City Politics	ENV-3606(3)	Business and the Environment
		ENV-4611(6)	Environmental Impact Assessment
		ENV-4614(3)	Critical Environmental Issues

*courses with prerequisites that are not required courses in the major

REQUIREMENTS FOR AN HONOURS BA

ADMISSION REQUIREMENT	Students must consult with the Department Advisor in planning their studies.
GRADUATION REQUIREMENT	120 credit hours
Graduation G.P.A. Requirement	To graduate with a BA Honours, students must have completed the course requirements for a BA in Environmental Studies with a minimum GPA of 3.0 on all Environmental Studies and Sciences courses, which will be calculated on all course attempts in the major. Students must also have a minimum 2.75 GPA on all non-major courses, which will be calculated as for the General Degree (i.e., F's are not included and, in the case of repeated courses, only the highest grade will be used).
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Honours:	Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours
Social Science:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing. RHET-1106(3) Academic Writing: Links with the Disciplines, Environmental Studies, is recommended.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
4000-level Courses:	Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of the department.
HONOURS REQUIREMENT	
Single Honours:	Minimum requirements for a 4 year BA degree in Environmental Studies in either of the following streams: Issues in Sustainability or Urban Environment. Minimum 30 credit hours in upper-level (3000 and 4000) courses of which a minimum of 12 credit hours must be at the 4000 level.

Required Courses:

GEOG-2309(3)	Statistical Techniques in Environmental Analysis
ENV-4611 (6)	Environment Impact Assessment
ENV-4701(6)	Environmental Studies Honours Thesis

REQUIREMENTS FOR A 4-YEAR BSc

ADMISSION REQUIREMENT	Students must meet prerequisites where required.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Science:	6 credit hours
Writing:	Minimum 3 credit hours of Academic Writing. RHET-1106(3) Academic Writing: Links with the Disciplines, Environmental Studies, is recommended.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Chemistry, 84 credit hours; Global Environmental Systems, 84 credit hours; Forest Ecology, 87 credit hours; Forest Policy and Management, 84 credit hours.
Double Major:	The student must meet both the requirements of Environmental Studies and Sciences and those of the second Major Department. A course listed by both Departments counts towards both Majors (unless it is clearly stated otherwise in that discipline's section of the Calendar).
Combined Major:	Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject. Required courses depend on second major and will be determined in consultation with the departmental advisor.

Required courses:

(These are the core courses for all BSc students.)

BIOL-1115(3)	Cells and Cellular Processes
BIOL-1116(3)	Evolution, Ecology and Biodiversity
BIOL-2403(3)	Principles of Ecology
CHEM-1111(3)	Introduction to the Chemical Properties of Matter
CHEM-1112(3)	Basic Principles of Chemical Reactivity
ECON-1104(3)	Introduction to Economic Theory
GEOG-1201(3)	Introductory Atmospheric Science
GEOG-1202(3)	Introductory Earth Science
PHIL-2233(3)	Environmental Ethics
ENV-1600(3)	Human-Environmental Interactions
ENV/IDS-2603(3)	Environmental Sustainability: A Global Dilemma
ENV-3035(3)	Law and the Environment
ENV-4611(6)	Environmental Impact Assessment
3 credit hours from among:	
GEOG-2309(3)	Statistical Techniques in Environmental Analysis
STAT-1301(3)	Statistical Analysis I
STAT-1501(3)	Elementary Biological Statistics I

CHEMISTRY

Required courses:

Core courses for all BSc students PLUS

BIOL-4411(3)	Water Quality and Health
CHEM-2102(3)	Thermodynamics and Kinetics
CHEM-2202(3)	Organic Chemistry I
CHEM-2203(3)	Organic Chemistry II
CHEM-2302(3)	Quantitative Chemical Analysis
CHEM-2401(3)	Inorganic Chemistry I
CHEM-2501(3)	Principles of Biochemistry or CHEM-3502(3) Intermediate Biochemistry I or ENV/CHEM-3611(3) Environmental Toxicology
CHEM-3302(3)	Methods of Chemical Analysis
CHEM-3601(3)	Environmental Chemistry

MATH-1101(6) Introduction to Calculus
PHYS-1101(6) Foundations of Physics I or **PHYS-1301(6)** Introduction to Physics

GLOBAL ENVIRONMENTAL SYSTEMS

Required courses:

Core courses for all BSc students PLUS

GEOG-2207(3) Climatology
GEOG-2213(3) Introductory Soil Science
GEOG-2214(3) Soil-Vegetation Systems
GEOG-3210(3) Hydrology
GEOG-3401(3) Population Geography*

6 credit hours from among the following techniques courses:

GEOG-2304(3) Computer Mapping
GEOG-2306(3) Introduction to Geographic Information Systems
GEOG-2316(3) Introduction to Remote Sensing
GEOG-3319(3) Advanced Remote Sensing

6 credit hours from the following geography options:

GEOG-2408(3) Environmental Perception and Human Behaviour*
GEOG-2411(3) Geography of Globalization*
GEOG-2414(3) The Urban Environment*
GEOG-3408(3) Water Resources*
GEOG-3508(3) Geographical Issues in the Developing World*
GEOG-2212(3) Natural Hazards
GEOG-2204(3) Human Impact on the Environment

6 credit hours from the following physical geography options:

GEOG-2215(3) Mineralogy and Petrology
GEOG-2216(3) Physical Geology
GEOG-2218(3) Fluvial and Hillslope Processes
GEOG-2219(3) Glacial and Periglacial Processes
GEOG-3204(3) Climate Change and Variability
GEOG-3215(3) Biogeography
GEOG-3216(3) Arctic Environments
GEOG-3217(3) Tropical Environments
GEOG-3219(3) Quaternary Environments
ENV-4615(3) Environmental Soil Science

6 credit hours from the following options:

PHIL-1002(6) Values and the Human Condition
POL-3105(6) Global Political Economy
POL-3120(3) International Law
SOC-2110(6) Social Change *
IDS-1100(6) Introduction to International Development Studies
IDS-2131(3) Rural Development *
IDS-3160(3) Cultural Perspectives on Global Processes *
CRS-1200(6) Introduction to Conflict Resolution Studies
ENV/SOC-2502(3) Sociology of the Environment
ENV-2604(3) Environment and Health
ENV-3606(3) Business and the Environment
ENV/UIC-3025(3) Issues in Sustainable Cities
ENV 4614 (3) Critical Environmental Issues

*courses with prerequisites that are not required courses in the major

FOREST ECOLOGY

The **Forest Ecology and Forest Policy and Management streams** are now recognized by the Canadian Institute of Forestry (CIF), Canada's professional organization of foresters and leading voice for the forest industry. This designation allows graduates from these streams to have the prestige associated with a **nationally recognized forestry baccalaureate program**, giving students a competitive edge and the specialized skills needed to work in the forest industry or many associated professions. **Graduates of the University of Winnipeg's Forest Ecology program receive Silver Ring recognition from the CIF** which symbolizes their responsibility to manage the forest for future generations and is a commitment to life-long learning and worn with pride. The Silver Rings are presented at a special ceremony with representatives of the CIF and the University of Winnipeg. The Silver Rings recognize that students are educated and trained in the complex interrelationships of forest ecosystems, water, fish and wildlife, as well as the social, cultural and economic aspects of forestry.

Required courses:

Core courses for all BSc students (except that ENV-2603(3) Environmental Sustainability: A Global Dilemma is not required and GEOG-2309(3) Statistical Techniques in Environmental Analysis is required) PLUS

BIOL-2153(3) Biology of Vascular Plants
BIOL/ENV-2401(1) Forest Field Skills Camp **
BIOL-2477(3) Forest Measurement +
BIOL-3152(3) Flowering Plants in Manitoba
BIOL-3471(3) Forest Ecology

BIOL-3473(3)	Principles of Silviculture +
BIOL/ENV-3476(3)	Forest Policy and Management
BIOL-4451/2	Forest Ecosystems Field Course **
BIOL-4471(3)	Ecological Methodology
BIOL-4473(3)	Dendrochronology +
BIOL-4474(3)	Forest Health and Protection* +
BIOL-4475(3)	Urban Forestry* +
GEOG-2213(3)	Introductory Soil Science
GEOG-2306(3)	Introduction to Geographic Information Systems
ENV-3607(3)	Forests and the Environment +
ENV-3608(3)	Forest Wildlife Management +

Suggested electives:

BIOL-2115(3)	Biology of Invertebrates
BIOL-3410(3)	Freshwater Ecology
BIOL-3801(3)	General Entomology*
BIOL-4116(3)	Biology Honours Thesis
GEOG-2207(3)	Climatology
GEOG-2316(3)	Remote Sensing
GEOG-2414(3)	The Urban Environment*
GEOG-3210(3)	Hydrology
GEOG-3215(3)	Biogeography
GEOG-3306(3)	Advanced Geographic Information Systems
GEOG-3319(3)	Advanced Remote Sensing
ENV-4613(3)	Directed Studies in Environmental Studies and Sciences
ENV 4614 (3)	Critical Environmental issues
ENV-4615(3)	Environmental Soil Science

* courses with prerequisites that are not required courses in the major

** The field courses are typically held in alternating years in the spring or summer session.

+ Typically held in alternating years in the fall/winter session.

FOREST POLICY AND MANAGEMENT

Required courses:

Core courses for all BSc students (except that GEOG-2309(3) Statistical Techniques in Environmental Analysis is required) PLUS

BIOL-2153(3)	Biology of Vascular Plants
BIOL/ENV-2401(1)	Forest Field Skills Camp **
BIOL-3471(3)	Forest Ecology
BIOL/ENV-3476(3)	Forest Policy and Management
BIOL-4451/2	Forest Ecosystems Field Course **
BIOL-4474(3)	Forest Health and Protection*
BIOL-4475(3)	Urban Forestry*
ECON-2317(3)	Environmental Economics
GEOG-2306(3)	Introduction to Geographic Information Systems
POL-2300(6)	Public Administration
POL-3411(3)	Aboriginal People and the Law I
ENV-3606(3)	Business and the Environment
ENV-3607(3)	Forests and the Environment

Suggested electives:

BIOL-2477(3)	Forest Measurement
BIOL-3473(3)	Principles of Silviculture
GEOG-2204(3)	Human Impact on the Environment
GEOG-3306(3)	Advanced Geographic Information Systems
POL/UIC-2020	Colonization and Aboriginal Peoples
POL-3405(3)	Aboriginal Politics in Manitoba
POL-3415(3)	Aboriginal People and the Law II
REL-2801(3)	Introduction to Aboriginal Spirituality
REL-2802(3)	Aboriginal and Christian Encounter
CRS-1200(3)	Introduction to Conflict Resolution Studies
ENV-3608(3)	Forest Wildlife Management
ENV-4613(3)	Directed Studies in Environmental Studies and Sciences
ENV 4614 (3)	Critical Environmental issues
ENV-4615(3)	Environmental Soil Science

* courses with prerequisites that are not required courses in the major

** The field courses are typically held in alternating years in the spring or summer session.

REQUIREMENTS FOR THE UNIVERSITY OF WINNIPEG / RED RIVER COLLEGE 4-YEAR BSc (JOINT PROGRAM IN APPLIED ENVIRONMENTAL STUDIES)

INTRODUCTION

This is a joint degree program whereby students are required to take courses at both The University of Winnipeg and Red River College in a prescribed sequence. The program has been specifically designed to prepare students for careers in industry where practical and theoretical skills are necessary.

There are 4-year and 5-year versions of the joint program:

In the **4-year version**, students are enrolled at the University of Winnipeg in years one, two and four, and at Red River College in year three. Students who successfully complete the entire program will receive a joint 4-Year BSc degree parchment from The University of Winnipeg and Red River College.

In the **5-year version**, students are enrolled at the University of Winnipeg in years one, two and five, and at Red River College for years three and four. The 5-year structure includes the benefit of a full co-op work term plus the preparation with a co-op coordinator. (The work term credit requires that the student complete a minimum of 16 weeks of full-time, paid work experience related to their training. Students may register with RRC's co-op placement coordinator to access placement assistance.) The 5-year structure will increase future opportunities for students because they will also be eligible for certification by the Certified Technicians and Technologists Association of Manitoba. Students who successfully complete the entire program will receive a joint 4-Year BSc degree parchment from The University of Winnipeg and an Environmental Protection Technology Diploma from Red River College.

Note: Transfer of courses between institutions applies only to students who are officially registered in the joint program.

The Red River College courses require a laptop computer and this cost will be reflected in the tuition fee.

ADMISSION REQUIREMENT	Students must meet the entrance requirements for admission to The University of Winnipeg. Application to the program in Applied Environmental Studies must be completed through the Admissions Office of The University of Winnipeg by March 1st in order to enter the program in September of the same year..
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours
Writing:	Minimum 3 credit hours of Academic Writing. RHET-1106(3) Academic Writing: Links with the Disciplines, Environmental Studies, is recommended. Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT:	

4-YEAR VERSION

Year 1 - University of Winnipeg

BIOL-1115(3)	Cells and Cellular Processes
BIOL-1116(3)	Evolution, Ecology and Biodiversity
CHEM-1111(3)	Introduction to the Chemical Properties of Matter
CHEM-1112(3)	Basic Principles of Chemical Reactivity
ECON-1104(3)	Introduction to Economic Theory
GEOG-1201(3)	Introductory Atmospheric Science
GEOG-1202(3)	Introductory Earth Science
ENV-1600(3)	Human-Environmental Interaction
Academic Writing Requirement	
3 credit hours Humanities	

Year 2 - University of Winnipeg

BIOL-2403(3)	Principles of Ecology
CHEM-2302(3)	Quantitative Chemical Analysis
CHEM-3302(3)	Methods of Chemical Analysis
ECON-2317(3)	Environmental Economics
PHIL-2233(3)	Environmental Ethics
ENV-2603(3)	Environmental Sustainability: A Global Dilemma
ENV-3035(3)	Law and the Environment
3 credit hours Humanities	
3 credit hours from among:	
GEOG-2309(3)	Statistical Techniques in Environmental Analysis
STAT-1301(3)	Statistical Analysis 1
STAT-1501(3)	Elementary Biological Statistics I
3 credit hours from among:	
BIOL-3492(3)	Quantitative and Theoretical Biology
CHEM-2701(3)	Introduction to Computers in Chemistry

ACS-1453(3) Introduction to Computers

Year 3 - Red River College

CIV-2323(3) Health and Safety, PLUS:

5 courses from among:

CIVC-1044	Project Administration
CIVL-2006	Geo-Enviro Fundamentals
CIVL-2007	Environmental Management
CIVL-2009	Fundamentals of GIS
CIVL-2012	Environmental Analysis
CIVL-3007	Waste Management
CIVL-3008	Water and Waste Water
CIVL-3011	Remote Sensing and Digital Photo
CIVL-3016	Hydrology

Year 4 - University of Winnipeg

ENV-3609(3) Research Methods and Design

ENV-3610(3) Research Projects

ENV-4611(6) Environmental Impact Assessment

3 credit hours Humanities

15 credit hours from among:

BIOL-2902(3)	Biology of Prokaryotes and Viruses
BIOL-3410(3)	Freshwater Ecology
BIOL-3471(3)	Forest Ecology
BIOL/ENV-3476(3)	Forest Policy and Management
BIOL-3901(3)	Microorganisms and Disease
BIOL-3902(3)	Microbial Ecology
BIOL-4411(3)	Water Quality and Health
BIOL-4471(3)	Ecological Methodology
CHEM-3601(3)	Environmental Chemistry
GEOG-2213(3)	Introductory Soil Science
GEOG-2214(3)	Soil-Vegetation Systems
GEOG-2414(3)	The Urban Environment
GEOG-3408(3)	Water Resources
ENV-3607(3)	Forests and the Environment
ENV-4614(3)	Critical Environmental Issues
ENV 4615(3)	Environmental Soil Science

5-YEAR VERSION

Year 1 - University of Winnipeg (same as year 1 in 4-year program)

Year 2 - University of Winnipeg (same as year 2 in 4-year program)

Year 3 - Red River College

CIVC-1044	Project Administration
CIVL-2021	Environmental Statistics
CIVL-2006	Geo-Environmental Fundamentals
CIVL-2007	Environmental Management
CIVL-2009	Fundamentals of GIS
CIVL-2012	Environmental Analysis
CIVW-2008	Co-op Work Placement

Year 4 - Red River College

CIVL-3005	Applied Research Project
CIVL-3006	Health and Safety
CIVL-3007	Waste Management
CIVL-3008	Water and Waste Water
CIVL-3011	Remote Sensing and Digital Photo
CIVL-3016	Hydrology

Year 5 - University of Winnipeg (same as year 4 in the 4-year program)

REQUIREMENTS FOR A 4-YEAR BSC WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Environmental Studies in any stream (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar

REQUIREMENTS FOR AN HONOURS BSC

ADMISSION REQUIREMENT

Students must consult with the Department Advisor in planning their studies.

GRADUATION REQUIREMENT

Graduation G.P.A. Requirement

120 credit hours

To graduate with a BSc Honours, students must have completed the course requirements for a BSc in Environmental Studies with a minimum GPA of 3.0 on all Environmental Studies and Sciences courses, which will be calculated on all course attempts in the major. Students must also have a minimum 2.75 GPA on all non-major courses, which will be calculated as for the General Degree (i.e., F's are not included and, in the case of repeated courses, only the highest grade will be used).

RESIDENCE REQUIREMENT

Degree:

Minimum 60 credit hours

Honours:

Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level

GENERAL DEGREE REQUIREMENT

Humanities:

12 credit hours in Humanities

Science:

6 credit hours

Social Science:

12 credit hours

Writing:

Minimum 3 credit hours of Academic Writing. RHET-1106(3) Academic Writing: Links with the Disciplines, Environmental Studies, is recommended.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

4000-level Courses:

Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses).
Permission of the department.

HONOURS REQUIREMENT

Single Honours:

Minimum requirements for a BSc degree in Environmental Studies in any of the following streams: Forest Ecology, Forest Policy and Management, Global Environment Systems and Chemistry. Minimum 30 credit hours in upper-level (3000 and 4000) courses of which a minimum of 12 credit hours must be at the 4000 level.

Required Courses:

GEOG-2309(3)

Statistical Techniques in Environmental Analysis

ENV-4611(6)

Environmental Impact Assessment

ENV-4701(6)

Environmental Studies Honours Thesis

COURSE DESCRIPTIONS

ENV-1600(3) HUMAN-ENVIRONMENTAL INTERACTIONS

(Le3) This course deals with a variety of topics which illustrate the complexity and diversity of environmental issues. The central theme is "understanding natural processes in the environment" as a means of measuring human impact. Topics dealt with reflect current environmental concerns—for example, global warming, overexploitation, wildlife management, urban issues, health issues.

This course may be used towards fulfilling the Science requirement for the BA degree

RESTRICTIONS: Students with standing in the former ENV-2600(3) may not receive credit for this course.

ENV-2401(1) FOREST FIELD SKILLS CAMP (1A) This intensive two-week field course is mandatory for students in the Forest Ecology program and is designed to give students field survival and basic forestry skills. Topics include bush camp construction; safe use of boats, ATV's, and chainsaws; and basic bush survival skills. Students also learn how to correctly use topographical maps, compasses, air photos, GIS maps and other forestry equipment. This course is offered at University College of the North at The Pas, Manitoba.

CROSS-LISTED: Biology BIOL-2401(1).

ENV-2416(3) SEX, GENDER, SPACE AND PLACE (Le3)

This course examines, from interdisciplinary perspectives including those of Women's Studies, Geography, and Environmental Studies, relationships among sex, gender, space and place in societies, cultures, environments, and ecosystems. Selected relevant topics are considered, such as ecofeminism, the cultural politics and political geography

of sex and sexual identities, the gendering and sexing of city landscape and architecture, notions of public and private space, and the space/place in the sociocultural construction of femininity and masculinity. We consider how sex, gender, race, ethnicity, class, sexuality, and other aspects of identity affect the transformation of space into place.

PREREQUISITES: ENV-1600(3) OR GEOG-1102(3) and GEOG- 1103(3) OR WGS-1232(6) or permission of instructor.

CROSS-LISTED: Geography GEOG-2416(3) and Women & Gender Studies WGS-2416(3).

ENV-2502(3) SOCIOLOGY OF THE ENVIRONMENT (Le3)

This course offers an examination of environmental issues and concerns from a sociological perspective. Topics for review include environmental values, attitudes and behaviour; the environment movement; the political economy of the environment, and environmental risk and risk assessment. Debates surrounding such concepts as sustainable development, deep ecology, environmental justice and global change are emphasized.

PREREQUISITES: ENV-1600(3) or SOC-1101(6), or permission of instructor.

CROSS-LISTED: Sociology SOC-2502(3).

ENV-2521(3) VOLUNTARY SIMPLICITY (Le3)

Development is increasingly understood as a participatory, deliberate process aimed at enhancing quality of life for individuals within community. This course examines the concept, theory, and practice of voluntary simplicity as a means of development for individuals seeking alternatives to consumer values and culture. The course explores both the historical roots of voluntary simplicity and its modern

expressions, with special emphasis on the relevance of simplicity to building emotional well-being, vibrant community, sustainable environment, and social justice.

PREREQUISITES: ENV-1600(3) or IDS-1100(6), or permission of instructor.

CROSS-LISTED: International Development Studies IDS-2521(3).

ENV-2603(3) ENVIRONMENTAL SUSTAINABILITY: A GLOBAL DILEMMA (Le3)

This course focuses on environmental factors relevant to understanding and implementing sustainable development. Its aim is to teach students to understand and appreciate fundamental ecological principles within the context of social values and technological constraints. Moreover, the course seeks to equip students to assess environmental problems from an interdisciplinary perspective, and to develop strategies that might solve these problems. Topics or issues that may be addressed include: ecosystem dynamics; feedback in environmental processes; the concepts of carrying capacities and population thresholds; optimum yield theory; loss of biodiversity; over consumption and overpopulation; deforestation, desertification and pollution; energy demand versus supply; urbanization trends; global warming; ozone layer depletion; resource management, conservation, and recovery; and environmental monitoring and impact assessment. This course may be taken for major credit in Environmental Studies and International Development Studies.

This course may be used towards fulfilling the Science requirement for the BA degree

PREREQUISITES: ENV-1600(3) or IDS-1100(6), or permission of instructor.

CROSS-LISTED: International Development Studies IDS-2603(3).

ENV-2604(3) ENVIRONMENT AND HEALTH (Le3)

There is growing concern amongst the scientific community, media, and general public that environmental chemical contamination may be responsible for some human and ecosystem health problems. This course provides a scientific overview of selected chemical contamination issues, discusses relative risks of recognized and potential hazards, and assesses possible technical and regulatory solutions. Topics may include stratospheric ozone depletion, tropospheric air pollution, acid rain, greenhouse gas emissions, anthropogenic pollutants such as PCBs and perfluorinated chemicals, and other relevant issues. Knowledge of high school level chemistry is useful, but not absolutely necessary.

This course may be used towards fulfilling the Science requirement for the BA degree

PREREQUISITES: ENV-1600(3) or permission of instructor.

ENV-3025(3) ISSUES IN SUSTAINABLE CITIES (Le3)

This course addresses issues of sustainable urban development. Topics may include the following: world population growth and urbanization in developed and developing countries; the impact of technology, trade, and commercial globalization on urban environments; the degradation of land, water, and air inside of cities and in their bio-regions; the consumption of fossil fuels and the local and global impact of their combustion; the politics of sustainable urban development; the role of planning and urban administrative practices and policies in environmental degradation and mitigation; and the place of local environmental initiatives in national environmental actions.

PREREQUISITES: GEOG-2414(3), the former GEOG-2404(6), or UIC-1001(3), or permission of instructor.

CROSS-LISTED: Urban and Inner City Studies UIC-3025(3).

ENV-3035(3) LAW AND THE ENVIRONMENT (Le3) This course provides an introduction to Canadian environmental

law, including common law and statutory regimes. Topics include endangered species, air, water and waste management, toxic pollutants, contaminated land, resource development, the division of constitutional powers, regulatory approaches, environmental assessment, monitoring and enforcement, and environmental torts. The socio-economic, political, and scientific backgrounds of environmental problems are also considered. Current Manitoba examples are used to illustrate the concepts, problems and solutions discussed.

ENV-3476(3) FOREST POLICY AND MANAGEMENT (Le3)

This course addresses the principles and practices of sustainable forestry in Canada. Topics include evolution of the forest industry including past and current forestry policy and practices. Important aspects of harvesting, reforestation, forest protection, private woodlot forestry, natural products and first nations forestry are discussed. The role of the forest industry in Canada is examined within the larger context of government regulation, multi-resource management, multi-stakeholder processes, and global markets. The environmental impact of forest management activities on natural landscapes is reviewed under ever changing environmental codes and restrictions and the need to produce "green products."

PREREQUISITES: Students may not hold credit for BIOL-3476(3) and the former BIOL-4476(3).

CROSS-LISTED: Biology BIOL-3476(3).

ENV-3603(3) WINNIPEG AND THE ENVIRONMENT: A CASE STUDY APPROACH (Le3)

This course focuses on the particular problems facing the City of Winnipeg in its interaction with the environment. Students are required to participate in an in-class strategic planning session to select issues and concerns that will become the case study content of the course. Municipal planning initiatives are used to select the issues, to define their scope, and to propose policy and program solutions. The course format involves small interactive group discussions led by the students and facilitated by the instructor. A high level of student participation is expected.

PREREQUISITES: ENV-1600(3), or UIC 1001(3), or the former ENV-2600(3) or permission of instructor.

CROSS-LISTED: Urban and Inner-City Studies UIC-3603(3).

ENV-3606(3) Business and Environment (Le3)

This course examines practical examples of ways in which business operations have responded to environmental and sustainability challenges and opportunities. The course provides an historical perspective on corporate environmentalism, and covers current topics such as self-regulation and voluntary initiatives, environmental management systems, product stewardship, life-cycle analysis, industrial ecology, toxics use reduction, strict liability and due diligence, and sustainable performance management. The course uses case studies from Canada and elsewhere, including less-developed nations, to illustrate the issues, problems, and solutions discussed.

PREREQUISITE: ECON 2317(3) or permission of instructor.

ENV-3607(3) FORESTS AND THE ENVIRONMENT (Le3)

This course is intended to provide students with the fundamental knowledge of the interactions between human and forest ecosystems. It examines current forestry practices and study new alternatives in forest resources management based on our growing knowledge of the natural dynamics of these ecosystems. The concepts underlying forest sustainability and forest conservation in a changing world are developed. Using the boreal forest as an example, students acquire an understanding of natural ecosystem dynamics and of proposed alternatives in forestry practices.

The effect of global climate change and increasing human pressure on our forests are also examined.

PREREQUISITE: BIOL-2403(3) or the former BIOL-3403(3).

ENV-3608(3) FOREST WILDLIFE MANAGEMENT (Le3)

This course focuses on the management of wildlife populations in forested environments in Canada. Students participate in an examination of forest biodiversity including discussion of terrestrial and aquatic species, ecosystems, conservation strategies, coarse and fine filter approaches, forest fragmentation, core habitat ranges, management at forest stand and landscape levels and how animals use forest habitats. Topics include habitat supply and modelling, population monitoring methods, the cumulative effects of forest management activities, legislation and guidelines, role of endangered species, adaptive forest management and the importance of terrestrial and wetland classification.

COREQUISITE: ENV-3607(3)

ENV-3609(3) RESEARCH METHODS AND DESIGN (Le3)

This course is a pre-requisite for the Research Projects course (ENV-3610(3)) and teaches students the steps and methods required to produce a successful research project. Students learn to develop a clear research question, form hypotheses and predictions and formulate a study with the appropriate measurements and design structure. Students are shown examples of experimental and other designs and methods used in the natural and social sciences. Finally, students develop a research design for their own project used in the Research Projects course.

PREREQUISITES: GEOG 2309(3) or STAT 1201 (3) or STAT 1501(3) or permission of the Chair of Environmental Studies and Sciences.

ENV-3610(3) RESEARCH PROJECTS (Le3) This course teaches students to understand, develop, and complete research projects with relevance to real world situations. The primary objective is to help students develop research skills for the workplace. Students are required to undertake a research project in an area of environmental interest, typically using proposals developed in ENV-3609(3). Presentation of results, both orally and in written form, is required. Students work closely with the instructor or another member of the faculty and an external advisor from the community during completion of the project. Research projects are designed to assist community groups, government departments, private sector firms or other organizations.

PREREQUISITES: ENV-3609(3) and completion of a minimum of 60 credit hours towards their degree or permission of the Chair of Environmental Studies and Sciences.

ENV-3611(3) Environmental Toxicology (Le3) This course provides an understanding of how and why chemicals may damage humans and other organisms. Students learn basic principles of toxicology and environmental chemical exposure, and detailed analysis of the body's defenses against toxicants and the physiological and/or biochemical mechanisms by which toxicants cause effects. Toxicological modeling and environmental risk assessment are introduced. Students apply these principles to explore emerging topics of interest in their own disciplines.

PREREQUISITES: CHEM-2202 (3) and CHEM-2203 (3) or the former CHEM-2201 (6).

CROSS-LISTED: Chemistry CHEM 3611(3).

GEOG-4450(3) GEOGRAPHIC PERSPECTIVES ON ENVIRONMENT AND SUSTAINABILITY (S3) This course considers geographic and environmental approaches to sustainable staples-based development, particularly as they apply to water, energy, and mining. Discussion begins by outlining change, complexity, uncertainty and conflicts associated with primary and derived resources, including

those contributing to climate change. Important technological innovations and policy developments designed to address these challenges are contemplated. Topics include corporate social responsibility policies, public-private initiatives, community-based resource management, adaptive management, and social learning through public participation.

PREREQUISITES: Two of GEOG-2204(3), GEOG-2212(3), GEOG-3408(3), GEOG-3508(3), ENV-2603(3), or permission of the instructor.

ENV-4611(6) ENVIRONMENTAL IMPACT ASSESSMENT (Le3)

This course explores the methodology of environmental impact assessment (EIA). Students learn about various types of EIA, the components of EIA review, the regulatory aspects of EIA, and how to complete their own EIA. Students are expected to undertake EIA examples in both written and oral form.

PREREQUISITES: Completion of a minimum of 60 credit hours towards their degree or permission of the Chair of Environmental Studies and Sciences.

ENV-4613(3) DIRECTED STUDIES IN ENVIRONMENTAL STUDIES (Le3)

This course allows students to undertake research in their areas of interest. The research may take the form of a literature review, may be experimental in nature or involve analysis of existing data. Evaluation is based on a written submission summarizing the student's findings. Permission to enrol is dependent on the availability of an instructor in the student's field of interest and the permission of the Director of Environmental Studies.

PREREQUISITES: ENV-1600(3) and permission of the Chair of Environmental Studies and Sciences.

ENV-4614(3) CRITICAL ENVIRONMENTAL ISSUES (Le3)

This course examines current issues of controversy and public concern in environmental studies and environmental science. The content varies from year to year and students should consult the Environmental Studies department for a more detailed description of topic areas in terms in which the course is offered.

PREREQUISITES: ENV-1600(3) or permission of the Chair of Environmental Studies and Sciences.

RESTRICTIONS: Students may take this course only once.

ENV-4615(3) ENVIRONMENTAL SOIL SCIENCE (Le3) The course provides students with a comprehensive knowledge of environmental issues related to soil science emphasizing the significant role soil plays in sustaining environmental quality. It focuses on soil functions, soil quality and quality indicators, environmental significance of physical, chemical, biological properties and processes, ecological implications of soil-water-nutrient interactions, fate and transport of organic and inorganic contaminants in soils, and environmental impact of soil erosion, all of which are interconnected to current environmental issues such as global warming, surface and groundwater pollution, soil degradation, ozone layer depletion, atmospheric pollution etc. The course also aims to provide the conceptual knowledge required to manage soil on a scientifically-based, environmentally friendly, and ecologically sustainable manner.

PREREQUISITES: GEOG-2213 (3) and CHEM-1112 (3) (or the former CHEM-1101 (6)) or the permission of instructor

ENV-4701(6) HONOURS ENVIRONMENTAL STUDIES THESIS (P)

This course provides an opportunity for students to undertake a research project of personal interest under the guidance of a faculty member or equivalent and the Course Coordinator. Practical experience is provided in research design and methodology, data analysis, in the verbal and written presentation of the findings, and participation in academic conferences. This course is

intended to provide students with a solid background for entry into graduate programs or research-oriented careers.
PREREQUISITES: GEOG 2309 (3) and ENV 4611 (3); 30 credit hours in the Environmental Studies major; A minimum 3.0 GPA (B) in honours subject courses.

RESTRICTIONS: Enrolment in this course is limited by the availability of faculty to serve as supervisors. Students must obtain written permission from the Chair to register for the course. A written agreement between the student and the faculty supervisor is required before permission is granted.

FRENCH STUDIES (FREN)

Updated March 13, 2013

Note: The department/program code FREN replaces the former code 20. Students cannot hold credit in FREN-xxxx and the former 20.xxxx having the same course number (e.g., FREN-1001(6) and 20.1001(6)).

Chair: Associate Professor L. Dietrick; Professors: K. Meadwell, L. Rodriguez, S.A. Viselli; Associate Professor: G. Moulaison; Assistant Professor: A. Balint-Babos; Instructor III: A. Rusnak.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

Minor

INTRODUCTION

Spoken by over 100 million francophones on 5 continents, French is an official language of the United Nations, NATO, UNESCO, the Vatican, the Olympic Games, the World Trade Organization, the World Health Organization, Amnesty International, the Red Cross and many countries including Canada, Belgium, Switzerland, Senegal, Rwanda and Haiti, to name just a few. In the global world of the 21st century, becoming bilingual is more desirable and relevant than ever.

French gives you the competitive edge you need to get ahead in a whole range of careers: many federal and provincial government positions, airline customer service representative, businessperson, customs office, diplomatic aide, educator, foreign correspondent, guide (museums, art galleries), human resources director, intelligence analyst, knowledge worker, lawyer, manager, nurse, office worker, public servant, radio broadcaster, social worker, translator, and many more! By mastering French, you will enrich your life and enhance your career opportunities, no matter what path you choose.

In French Studies, we offer the 3-year BA (Major or Combined Major), the 4-year BA (Major or Combined Major) as well as the Honours BA. Students with no previous knowledge of the language can begin here with FREN-0002(3). Those with some prior knowledge can meet with an advisor from the department of Modern Languages and Literatures to select the appropriate level of first-year course.

Once you have mastered the basics, you can choose from a broad range of stimulating courses where you will discuss current events and contemporary issues, translate newspaper articles and other texts, read classics from the Middle Ages to the 21st century, enjoy well-known authors such as La Fontaine or Molière, investigate the evolution of the Quebec novel, discover the particularities of African and Caribbean literature, analyse the themes and styles of Canadian children's literature, compare regional varieties of French in the francophone world, explore the phenomenon of bilingualism and multilingualism, learn modern French vocabulary and syntax, and understand the way language works.

REQUIREMENTS FOR A 3-YEAR BA IN FRENCH STUDIES

ADMISSION REQUIREMENT

Students **must** consult a departmental advisor in planning their course of study. French Studies courses form a sequence, building on the knowledge and skills acquired at each level. Each series (language or literature) must be taken in numerical order, or permission obtained to do otherwise.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000-level. Of these, a maximum of 6 credit hours may be below the 1000-level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours.
Double Major: 30 credit hours in French Studies and specified number of credit hours in the other department/program.
Required courses: 24 credit hours in French Studies above the 1000-level.
FREN-2109(3) Normative Grammar
Minimum 9 credit hours in literature.
Minimum 6 credit hours in French Studies at the 3000-level.
Students may opt for a French Studies Major in literature or language/linguistics.
Minimum 2.5 GPA (C+) in all French Studies courses is advised for continuation in the Major program.
Restrictions: **FREN-0002(3)** and **FREN-1001(6)** may **not** be used towards the major.
Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

Prescribed Courses: 6 credit hours at the 2000-level.
3 credit hours at the 3000-level.
Restrictions: **FREN-0002(3)** and **FREN-1001(6)** may *not* be used towards the combined major.

REQUIREMENTS FOR A 4-YEAR BA IN FRENCH STUDIES

ADMISSION REQUIREMENT

Students **must** consult a department advisor in planning their course of study.
Students must have completed at least 30 credit hours in French Studies.
No more than two first-year French Studies courses may be used for credit in Patterns 1, 2, and 3.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000-level. Of these, a maximum of 6 credit hours may be below the 1000-level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates: Minimum of 18 credit hours/Maximum of 36 credit hours in related courses from one of several departments.
Maximum total of cognate and major courses is 84 credit hours combined.

Required courses:

Students may choose a stream in language/linguistics, literature, or a combination of both:

Language/Linguistics Concentration: 36 credit hours including: 12 credit hours in language/linguistics at the 2000-level, **FREN-2180(3)**, 12 credit hours in language/linguistics at the 3000-level, 6 credit hours at the 4000-level in language/linguistics.

Literature Concentration: 48 credit hours including: 12 credit hours at the 2000-level in literature, **FREN-2109(3)**, 12 credit hours at the 3000-level in literature, 6 credit hours at the 4000-level in literature.

Literature and Language/Linguistics Combination: 48 credit hours including, 6 credit hours at the 2000-level in language/linguistics and 6 credit hours at the 2000-level in literature, 6 credit hours at the 3000-level in language/linguistics and 6 credit hours at the 3000-level in literature, 6 credit hours at the 4000-level in language/linguistics or literature.

Combined Major: Minimum 60 credit hours from 2 different majors with not less than 24 credit hours from each major subject.

Prescribed Courses: **FREN-2109(3)** Normative Grammar and **FREN-2180(3)** Introduction to Literary Analysis.
6 credit hours in French Studies at the 3000-level.

Restrictions: **FREN-0002(3)** and **FREN-1001(6)** may not be used towards the combined major.

REQUIREMENTS FOR AN HONOURS BA IN FRENCH STUDIES

ADMISSION REQUIREMENT

Students must consult the Department Chair in planning their course of study.
Entry into the program after completing a minimum of 30 credit hours, including FREN-1111(6) or FREN-1112(6).
Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.
Minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.
Minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT 120 credit hours, with minimum 3.0 GPA in Honours subject courses and 2.5 GPA in Non-Honours subject courses.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at the 4000-level.

GENERAL DEGREE REQUIREMENT

Humanities:	12 credit hours
Science:	6 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000-level. Of these, a maximum of 6 credit hours may be below the 1000-level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours:	Minimum 54 credit hours/Maximum 78 credit hours. Minimum 12 credit hours in literature. Minimum 30 credit hours at upper level (3000 and 4000) Honours Subject courses of which a minimum of 15 credit hours must be at the 4000-level.
Double Honours:	Minimum 36 credit hours in each Honours subject. Minimum 9 credit hours in literature. Minimum 24 credit hours at the upper level (3000 and 4000) in the French Studies component of the double Honours of which a minimum of 15 credit hours must be at the 4000-level. For the requirements of the other Honours subject consult the department involved.

Students must consult the Department Chair to determine whether they fulfil the general Honours requirements.

Students must complete the Honours application form and append to it their most recent student history.

Students will establish their program in consultation with the Department Chair.

Qualified students are required to take the Department's 4000-level seminar, offered annually and in rotation.

REQUIREMENTS FOR A MINOR IN FRENCH STUDIES

Degree:	Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	FREN-2109 or FREN-2180 Minimum 3 credit hours at 3000 level
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Oral Proficiency Requirement

A satisfactory level of oral proficiency is required for completion of the French Studies Major. The Department provides facilities to give students practice in oral French. The degree of proficiency they attain in speaking depends largely on their own efforts. Students are able to improve their oral competence through Continuing Education or programs like Explore, sponsored by the Federal government.

French Studies courses may include an oral component, either language laboratory or conversation with native French speakers or both.

Students may be required to take an oral test at the end of the Fall and Winter terms.

4000-Level Courses: Minimum 3.0 GPA (B) in major courses. Students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses. Permission of the department is required for each 4000-level course.

Reference Books

Students are strongly advised to have the following reference books: a reputable French or bilingual dictionary such as *Le Nouveau Petit Robert I* or the *Collins Robert French-English English-French Dictionary* and a French reference grammar such as *Grammaire pratique* (Hachette), A. Hamon.

COURSE LISTINGS

Students are advised to consult the appropriate Timetable available from the Records Office for courses available during the current term.

Note: All students registering for their first French Studies course **must** consult a departmental advisor.

Note: The following courses do not meet the Humanities requirement: FREN-0002(3), FREN-2109(3), FREN-3204(3).

Note: FREN-1001(6) Introductory French and FREN-1111(6) Practical Language Skills are given in French as much as possible. **All** other courses are given entirely in French.

FIRST YEAR COURSES

FREN-0002(3) Preparatory French

Note: This course may not be used towards fulfilling the French Studies major requirement.

FREN-1001(6) Introductory French

FREN-1111(6) Practical Language Skills

Note: FREN-1001(6) and FREN-1111(6) are given as much as possible in French, in order that students may learn to understand spoken French. However, some discussions and explanations may be in English.

FREN-1112(6) *Grammaire, Lexique et Lecture*

LANGUAGE AND LINGUISTICS COURSES

Note: Not all of these courses will be offered in any given term. Please consult the Timetable. All students registering for their first French Studies course **must** consult a Departmental Advisor.

FREN-2109(3)	Normative Grammar
FREN-2110(3)	Intermediate Written Expression
FREN-2113(3)	Texts and Terminology
FREN-2114(3)	English-French Translation
FREN-2115(3)	French-English Translation
FREN-2116(3)	French for Business
FREN-2202(3)	Phonetics
FREN-2205(3)	Culture & Society in Contemporary France
FREN-3111(6)	Comparative Stylistics and Translation
FREN-3202(3)	Géolinguistique française: Variétés de français au Canada et dans le monde
FREN-3204(3)	French Morphology and Syntax
FREN-3205(3)	Studies in Bilingualism
FREN-3301(3)	History of the French Language

LITERATURE COURSES

Note: Not all of the following courses will be offered in any given session. Please consult the timetable. All students registering for their first French Studies course **must** consult a departmental advisor.

FREN-2180(3)	Introduction to Literary Analysis
FREN-2182(3)	The Origins and Evolution of Modern Canadian Francophone Literature
FREN-2183(3)	Contemporary Canadian Francophone Literature
FREN-2383(3)	Explication de Texte
FREN-2384(3)	Modern French Literature I
FREN-2385(3)	Modern French Literature II
FREN-2481(3)	Nineteenth-Century French Novel
FREN-2482(3)	Nineteenth-Century French Poetry and Drama
FREN-2681(3)	Children's Literature of French Canada
FREN-2748(3)	Le Théâtre Classique
FREN-3283(3)/4283(3)	Modern & Contemporary Self-Narratives
FREN-3284(3)/4284(3)	Modern & Contemporary Literature & Photography
FREN-3580(3)/4580(3)	Littérature du 18e siècle I: Le Siècle des "Lumières"
FREN-3581(3)/4581(3)	Littérature du 18e siècle II: "Lumières" et Révolution

FREN-3680(3)/4680(3)	Littérature du 17e siècle I: Le Baroque
FREN-3681(3)/4681(3)	Littérature du 17e siècle II: Le Classicisme
FREN-3883(3)/4883(3)	Pre-Independence Francophone African Literature
FREN-3884(3)/4884(3)	Francophone Black Feminist Literature
FREN-3952(3)/4952(3)	From the Country to the City: The Early Québec Novel
FREN-3953(3)/4953(3)	Expanding Borders: The Contemporary Francophone Novel of Canada

HONOURS COURSES

Note: 4000-level courses, which are listed below, are open to students who have a B average in French Studies. To register, a student must complete the Honours Application Form, to be signed by the Department Chair.

FREN-4021(3)	Tutorial
FREN-4021(6)	Tutorial
FREN-4091(6)	Directed Readings
FREN-4112(3)	Syntax of Modern French
FREN-4115(3)	Literary Translation
FREN-4730(3)	La Renaissance
FREN-4760(3)	Nineteenth-Century Poets
FREN-4761(3)	Nineteenth-Century Women Poets
FREN-4885(3)	Literature of the Early Middle Ages
FREN-4886(3)	Literature of the Late Middle Ages
FREN-4932(3)	Literary Theory and Research Methods
FREN-4933(3)	La Narratologie

FRENCH STUDIES ENTRANCE COURSES

(For detailed information, see course descriptions.)

STUDENT BACKGROUND	APPROPRIATE COURSE
Has NEVER studied French or has not studied it beyond Grade 5	FREN-0002(3) Preparatory French
Studied French but did NOT complete French 40S	FREN-1001(6) Introductory French
Enrolled in an Immersion program in high school but did NOT complete Français 40S	FREN-1111(6) Practical Language Skills
Completed French 40S	FREN-1111(6) Practical Language Skills
Received standing in French 40S more than five years ago, and did not continue studying French	May request permission to enroll for credit in FREN-1001(6).
Completed Français 40S	FREN-1112(6) <i>Grammaire, Lexique et Lecture</i>
Completed International Baccalaureate (IB) - (Standard)	FREN-1112(6) <i>Grammaire, Lexique et Lecture</i>

Completed French Language Advanced Placement (AP) and/or International Baccalaureate (IB) (Higher level)	FREN-2109(3) Normative Grammar
Completed French Literature Advanced Placement (AP) and/or International Baccalaureate (IB) (Higher level)	FREN-2180(3) Introduction to Literary Analysis

All first-time registrants in French Studies courses **must** consult a department advisor prior to registration. All students with backgrounds not described above **must** consult a department advisor.

COURSE DESCRIPTIONS

FREN-0002(3) PREPARATORY FRENCH (Le3, La1) The purpose of this course is to prepare students for registration in FREN-1001(6) Introductory French. It is designed for students who have never studied French, or who have not studied it beyond the early years of elementary school. Emphasis will be placed on fundamental vocabulary and structures in their written forms. The basic characteristics of French pronunciation will also be described and practiced. The course includes a weekly audio and computer lab in which students undertake grammar and pronunciation exercises. This course may not be used towards fulfilling the French Studies major requirement.

PREREQUISITES: Students **must** consult with the department.

FREN-1001(6) INTRODUCTORY FRENCH (Le3, La1) The aim of this course is to provide a solid base in vocabulary, grammar and pronunciation for those who intend to continue the study of French. An effort is made to place equal emphasis on reading, writing, aural comprehension and oral expression. Classroom work is supplemented by one hour of small-group work each week.

PREREQUISITES: This course is designed primarily for entering students who have some prior knowledge of French, for example those who studied French in junior or senior high school but who did not complete French 40S, or for those students who have completed FREN-0002(3). It is also suitable for students who were enrolled in an immersion program in elementary school and/or junior high school but who did not complete Grade 9 French Immersion. Entering students **must** consult with the department.

RESTRICTIONS: Native speakers of French, students who obtained credit in Grade 9 French Immersion and students who completed French 40S, Français 40S, IB (either level), AP French Language or AP French Literature are not eligible to take this course.

FREN-1111(6) PRACTICAL LANGUAGE SKILLS (Le3, La1) The aim of this course is to enable students to increase their proficiency in the following skills: writing, reading, aural comprehension and oral expression. Class time is devoted to a systematic review of grammar essentials, discussion of topics of current interest, written compositions and practice in the spoken language. Additional practice is undertaken during one hour of small-group work each week.

PREREQUISITES: FREN-1001(6) or French 40S or permission of Instructor. This course is suitable for students who have recently obtained standing in French 40S or FREN-1001(6) with an average grade. It is also suitable for those students who were enrolled in an immersion program in high school but who did not finish 40S.

RESTRICTIONS: Students who have standing in Français 40S or AP French Language or the International Baccalaureate Standard or Higher Level are not eligible to take this course.

FREN-1112(6) GRAMMAIRE, LEXIQUE ET LECTURE (Le3, La1) This course is intended for graduates of Immersion and International Baccalaureate Programs and French schools. Its aim is to offer a systematic review and development of fundamental grammatical concepts, supported by vocabulary expansion, writing practice

(paragraphs and compositions) and readings (short literary excerpt, newspaper and magazine articles). Additional practice is undertaken during one hour of small-group work each week.

PREREQUISITES: Français 40S, IB (standard level) or permission of department.

LANGUAGE, LINGUISTICS AND LITERATURE COURSES BEYOND THE FIRST-YEAR LEVEL:

FREN-2109(3) NORMATIVE GRAMMAR (Le3, La1) This course offers an intensive study of selected grammatical questions and a thorough study of syntax. Grammatical topics include transitive, intransitive and pronominal verbs; tenses and moods; and prepositions. The study of syntax focuses on subordinate clauses. Course work includes regular written drills and a lab component.

PREREQUISITES: FREN-1111(6), FREN-1112(6), AP French Language, IB (higher level) or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2111(6) are not permitted to take this course.

FREN-2110(3) INTERMEDIATE WRITTEN EXPRESSION (Le3, La1) This course is designed primarily to improve students' written expression in French; oral expression will also receive attention. Students are introduced to the major aspects of the writing process, specific writing techniques (*description, narration, argumentation*), and grammatical and stylistic editing. Model texts will be presented and assignments will focus on selected prose genres (e.g. *composition, correspondance, contraction de texte*).

Individual work and small-group activities will consist of writing sentences, paragraphs, and compositions. The oral expression component will consist of one hour of *travaux pratiques* (e.g., *exposés, débats, tables rondes*) per week.

PREREQUISITES: FREN-2109(3) or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2111(6) are not permitted to take this course.

FREN-2113(3) TEXTS AND TERMINOLOGY (Le3) This course is designed for students who wish to develop a high level of oral and written proficiency in French. The fundamental goal is to develop students' vocabulary in the humanities, social sciences and sciences. Current events and contemporary issues will be discussed through detailed lexical analyses of *textes authentiques* drawn from these fields. Attention will also be given to grammatical and stylistic elements. Students will be introduced to fundamental notions of terminology (e.g. *unité terminologique*) and semantics (e.g., *champ sémantique, analyse contextuelle*). Individual work will include the writing of paragraphs and compositions. Small-group work will entail the discussion of topics dealt with in the readings.

PREREQUISITES: FREN-2109(3) or permission of instructor.

FREN-2114(3) ENGLISH-FRENCH TRANSLATION (Le3)

This course in translation from English to French serves a dual purpose: to give students an opportunity to expand their French vocabulary and grammatical skills and to initiate them to specific written styles in the target language (French). To this end, a number of recurring semantic,

grammatical and syntactic features of French will be studied through shorter translation exercises and through the translation of longer documents, e.g., newspaper articles, business letters or scientific abstracts.

PREREQUISITES: FREN-2109(3), FREN-2110(3) or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2112(6) are not permitted to take this course.

FREN-2115(3) FRENCH-ENGLISH TRANSLATION (Le3)

In this course the principles of translation from French into English will be introduced. The lexicon and stylistics of the target language (English) will be discussed in relation to different styles and registers. Students will translate authentic texts from a variety of contexts such as literary, commercial, journalistic and scientific. Literary translation will focus on descriptive and narrative components; practical texts will include advertisements, newspaper articles and scientific magazine articles.

PREREQUISITES: FREN-2109(3) or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2112(6) are not permitted to take this course.

FREN-2116(3) FRENCH FOR BUSINESS (Le3)

This practical course is intended primarily to teach students to communicate effectively in business situations with an emphasis on the Canadian context. To this end, course materials include situational texts reflecting business activities and covering a range of topics (e.g. office and computer, financial institutions, marketing and advertising). The course is designed to expand language skills already acquired as well as to present the specialized vocabulary and idioms used in the business environment. It will include extensive exercises in vocabulary, comprehension, business writing and correspondence.

PREREQUISITES: FREN-2109(3) or permission of instructor.

FREN-2180(3) INTRODUCTION TO LITERARY ANALYSIS (Le3)

This course gives students the foundational skills required to read and write in French about literature. Students are introduced to terms and tools of analysis necessary for a critical reading of modern literary texts which are drawn from different genres and a variety of areas of the francophone world, such as Canada, France, Africa and the Caribbean. Some class time is devoted to the development of writing skills.

PREREQUISITES: FREN-1111(6), FREN-1112(6), AP French Literature, IB (higher level) or permission of department.

FREN-2182(3) THE ORIGINS AND EVOLUTION OF MODERN CANADIAN FRANCOPHONE LITERATURE (Le3)

This course examines the francophone literature of Canada from its modern origins at the end of the nineteenth century to the mid-twentieth century. Works by women and men from Acadia, Manitoba and Quebec are examined with an emphasis on the central role played by Quebec in the creation of modern Canadian francophone literature. Authors studied may include Riel, Nelligan, Grandbois, Melanson, Savard, Guèvremont and Roy. Novels, drama and poetry are analyzed using literary theories drawn from social realism/*sociocritique* and narratology. Periodic class discussions will take a *table ronde* format.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6) or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2241(6), FREN-2242(6), FREN-2281(6), FREN-2181(6) or FREN-4181(6) or FREN-4182(3) are not permitted to take FREN-2182(3). Students may not hold credit for both FREN-2182(3) and FREN-4182(3).

FREN-2183(3) CONTEMPORARY CANADIAN FRANCOPHONE LITERATURE (Le3)

This course examines the francophone literature of Canada from the mid-twentieth century to the present day. Works by women and men from Acadia, Manitoba and Quebec, as well as by writers known as *les écrivains migrants*, are examined with an emphasis on the central role played by the novel and by the *Révolution tranquille* in the development of contemporary Canadian francophone literature. Authors studied may include Blais, Miron, Ducharme, Tremblay, Hébert, Maillet, Chen, Chiasson and Léveillé. Novels, drama and poetry are analyzed using literary theories drawn from narratology and narrative/discursive semiotics. Periodic class discussions will take a *table ronde* format.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6) or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2241(6), FREN-2242(6), FREN-2281(6), FREN-2181(6), FREN-4181(6) or FREN-4183(3) are not permitted to take FREN-2183(3). Students may not hold credit for both FREN-2183(3) and FREN-4183(3).

FREN-2202(3) PHONETICS (Le3, La1)

This course presents the theory and practice of the main aspects of French phonetics and phonology, its practical applications (e.g. the use of pronunciation dictionaries), and material realizations in standard French. Theory will cover the physiology of speech, the International Phonetic Alphabet, as it relates to French, and phonetic transcription. Orthoepy (the relationship between pronunciation and orthography) will be stressed. Practice will emphasize correcting the student's oral performance in French.

PREREQUISITES: FREN-2109(3), FREN-1112(6) or permission of instructor.

RESTRICTIONS: Students who obtained credit in the former FREN-2201(3) are not permitted to take this course.

CROSS-LISTED: LING-2301

FREN-2205(3) CULTURE AND SOCIETY IN CONTEMPORARY FRANCE (Le3)

This course examines major cultural and historical aspects of contemporary French society (e.g. the social system, the 5th Republic, feminism, the role of Paris). The theoretical approach is comparative (e.g. Roland Barthes, Richard Hoggart and E.T. Hall). Course material is presented through several media (e.g. songs, comics, film, political speeches). As they are learning about diverse and iconic elements of French culture, students are given opportunities to develop their reading, speaking and writing skills.

PREREQUISITES: 3 credit-hours in 2000-level French Studies language, linguistics, or literature, or permission of instructor.

FREN-2383(3) EXPLICATION DE TEXTE (Le3)

This course is designed to acquaint students with a method to analyze and comment on literary texts of different genres and periods. Students will learn to recognize, study and appreciate the elements of style and content. Students will acquire practical skills through the presentation of *exposés* in oral and written forms.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6), or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-3381(3) are not eligible to take this course.

FREN-2384(3) MODERN FRENCH LITERATURE I (Le3)

This course offers a critical study of representative works by major French writers (novelists, poets and dramatists such as Colette, Aragon and Camus) from the beginning of the twentieth century to the 1950s. The main movements studied include surrealism, existentialism and the absurd.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6), or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former 20.2351(6), 20.2381(6) or 20.3531(6) are not eligible to take 20.2381(3).

FREN-2385(3) MODERN FRENCH LITERATURE II (Le3)

French works from 1950 to the present day are studied in this course. The principal literary modes and movements – *nouveau roman*, *nouveau théâtre* and feminism – are analysed in the drama, fiction and poetry of writers such as Beckett, Duras and Modiano.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6), or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former 20.2351(6), 20.2381(6) or 20.3531(6) are not eligible to take this course.

FREN-2481(3) NINETEENTH-CENTURY FRENCH NOVEL (Le3)

This course examines the development of the novel in nineteenth-century France. Works representing the main literary movements (Romanticism, Realism, and Naturalism) will be selected, as much as possible, from both male and female authors. These may include Stendhal, Balzac, Sand, Flaubert, Maupassant, and Zola. Students will be introduced to basic techniques of textual appreciation and commentary.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6), or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2481(6), FREN-4481(6) or FREN-4481(3) are not permitted to take this course.

FREN-2482(3) NINETEENTH-CENTURY FRENCH POETRY AND DRAMA (Le3)

This course examines the development of nineteenth-century poetry and drama. The evolution of theatre from the *drame romantique* to the *théâtre fin-de-siècle* will be studied through selected works of such authors as Hugo, Musset, and Rostand. Poetry will include a selection from the romantic, Parnassian, and Symbolist schools (e.g. Desbordes-Valmore, Gautier, Baudelaire). Students will be introduced to basic techniques of textual appreciation and commentary.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6), or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2481(6), FREN-4481(6) or FREN-4482(3) are not permitted to take this course.

FREN-2681(3) CHILDREN'S LITERATURE OF FRENCH CANADA (Le3)

This course examines the socio-cultural evolution of children's literature in French Canada from the beginning of the twentieth century to the present day. Students study the characteristic themes and styles of this literature by examining representative texts. Emphasis is placed on the contemporary period, and various genres are studied.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6), or permission of instructor.

FREN-2748(3) LE THÉÂTRE CLASSIQUE (Le3)

This course will investigate some of the changing concepts of tragedy and comedy in seventeenth-century French drama. Plays by famous dramatists such as Corneille, Molière and Racine will be examined in light of major theoretical texts on the aesthetics of theatre, written by scholars such as Aristotle, Corneille and l'abbé d'Aubignac. Periodic class discussion will take a *table ronde* format.

PREREQUISITES: FREN-2180(3), the former FREN-1381(6), or permission of instructor.

RESTRICTIONS: Students may not hold credit for both FREN-2748(3) and FREN-4748(3) and FREN-2749(3) / FREN-4749(3) and FREN-2750(3) / FREN-4750(3).

FREN-3111(6) COMPARATIVE STYLISTICS AND TRANSLATION (Le3)

In this course, French is studied by being contrasted with English. After an introduction to sentence segmentation ("translation units"), divergences occurring at several linguistic levels are examined: the

lexical level (e.g. semantic values, stylistic variants, linguistic interference); the *grammatical and syntactic levels* (e.g. gender, modifiers, modal auxiliaries, word order); and the *pragmatic level*, with a focus on cultural communication patterns in everyday discourse (e.g. advertising, comic strips). Translation strategies are explored to address the distinctive lexical, grammatical, syntactic and pragmatic qualities of each language.

PREREQUISITES: 6 credit hours in 2000-level French Studies courses, including 3 credit hours in 2000-level language or permission of instructor.

FREN-3202(3) GÉOLINGUISTIQUE FRANÇAISE: VARIÉTÉS DE FRANÇAIS AU CANADA ET DANS LE MONDE (Le3,La1)

The objective of this course is to present varieties of French as they appear in the world today: in Canada (e.g. Québec, Manitoba) and in other parts of the Francophone World (e.g. France, Louisiana, Africa). After a brief introduction to linguistic change (from early dialects to today's international norm), the course focuses on geolinguistic variation and dialectologic concepts (e.g. adstrata, isogloss), field work methodology and data analysis (e.g. lexicometry, linguistic atlases). Sound documents are examined for their vocabulary, grammar and syntax and give students the opportunity to expand their communication skills as they become more familiar with several varieties of French.

PREREQUISITES: 6 credit hours in 2000-level French Studies language courses or permission of instructor.

FREN-3204(3) FRENCH MORPHOLOGY AND SYNTAX (Le3)

In this course, students acquire fundamental linguistic concepts through the analysis of modern French. The distributional properties of French morphemes and their syntactic and semantic roles are discussed. The structures of syntagms and sentences are analysed and described. Practical exercises allow students to apply the concepts presented.

PREREQUISITES: 6 credit hours in 2000-level French Studies language courses or permission of instructor.

RESTRICTIONS: Students who have received credit for 20.3201(3) may not receive credit for this course.

FREN-3205(3) STUDIES IN BILINGUALISM (Le3)

This course explores three major components of bilingualism: the context, the learner, and the writer. The section on the bilingual context examines historical and geographical aspects of bilingualism (e.g. official languages in the Francophone world), and subsequent sociolinguistic situations (e.g. diglossia/bilingualism). The section on the bilingual learner concentrates on language acquisition (e.g. "Compound bilingualism"; the active lexicon in Franco-Manitoban and immersion schoolchildren; problems of spelling interferences). The section on the bilingual writer focuses on linguistic production and investigates the concept of self-translation or "bilinguisme d'écriture" in the works of bilingual authors (e.g. S. Beckett, J. Green, G. Roy).

PREREQUISITES: 6 credit hours in 2000-level French Studies language courses or permission of instructor.

FREN-3283(3) / FREN4283(3) MODERN AND CONTEMPORARY SELF-NARRATIVES (Le3)

In literature and culture, self-representation appears to be the rule rather than the exception, even when it takes the shape of fiction. In major 20th-century works, from the writings of Marcel Proust to those of Annie Ernaux and Patrick Modiano, the self keeps making new appearances in various literary genres. This course explores fictional narratives, autobiographies, memoirs, and journals. Students inquire: what meanings do these texts reveal, and what do they conceal about Modernity and our contemporary age? Students enrolled in FREN-4283(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3283(3): 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4283(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

FREN-3284(3) / FREN4284(3) MODERN AND CONTEMPORARY LITERATURE AND PHOTOGRAPHY (Le3) This course focuses on text-image relations, mainly the role of photography in modern and contemporary narratives. We study different types of discourse on photography in literature, as well as various texts where images are essential: self-narratives, autobiographies, literary blogs, etc. Texts such as Barthes' *La Chambre claire* and Roland Barthes, Breton's *Nadja*, Le Clézio's *L'Africain*, Guibert's *L'image fantôme*, and Ernaux' *L'usage de la photo* lead to reflection on the poetic devices and the aesthetics of reception of such narratives. Students enrolled in FREN-4284(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3284(3): 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4284(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

FREN-3301(3) HISTORY OF THE FRENCH LANGUAGE (Le3) This course traces the development of the French language through the centuries, examining historical, political and social events that have a significant impact on linguistic change. Four periods are considered: the High Middle Ages and the first written texts; the Old French era with its dialects; Renaissance French, influenced by Italy and the Humanist movement; and the birth of modern French and *la francophonie*. Various linguistic documents are studied to illustrate the status and distinct features of French in different eras.

PREREQUISITES: 6 credit-hours in 2000-level French Studies language courses or permission of instructor.

FREN-3580(3) / FREN-4580(3) LITTÉRATURE DU 18^e SIÈCLE I: LE SIÈCLE DES "LUMIÈRES" (Le3) This course is intended to develop in the student an understanding and appreciation of the nature of literature and society in the eighteenth century. While emphasis will vary from year to year, this course may include works by major authors such as Montesquieu, Prévost, Marivaux, Madame de Graffigny and Voltaire. Students will also investigate trends such as *la crise de conscience européenne*, *le mythe du Sauvage*, *"Lumières" et Raison*, and *l'Encyclopédie*. Attention will also be given to relationships between literature and the arts. Students enrolled in FREN-4580(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3580(3): 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4580(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-3551(6) or FREN-3581(6) are not permitted to take this course. Students may not hold credit in both FREN-3580(3) and FREN-4580(3).

FREN-3581(3) / FREN-4581(3) LITTÉRATURE DU 18^e SIÈCLE II: "LUMIÈRES" ET RÉVOLUTION (Le3) This course is intended to study the relationships between literature and society in the eighteenth century. While emphasis will vary from year to year, this course may include works by major authors such as Diderot, Rousseau, Beaumarchais, and Isabelle de Charrière. Emphasis will be placed upon the development of literary styles and the

history of ideas in scientific, philosophical, and political contexts. Students will also investigate some trends such as *philosophie et engagement au Siècle des "Lumières"*, *le libertinage*, *la condition de la femme et l'Ancien Régime*, *le droit des gens*, *la Révolution française* and *le préromantisme*. Students enrolled in FREN-4581(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3581(3): 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4581(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-3551(6) or FREN-3581(6) are not permitted to take this course. Students may not hold credit for both FREN-3581(3) and FREN-4581(3).

FREN-3680(3) / FREN-4680(3) LITTÉRATURE DU 17^e SIÈCLE I: LE BAROQUE (Le3) This course offers a critical study of literary works representative of the seventeenth century. While emphasis will vary from year to year, this course may include works by major authors such as Corneille, Scarron, Cyrano de Bergerac and Molière. The course will investigate such trends as *baroque*, *grotesque*, *romanesque* and *libertinage*. Students enrolled in FREN-4680(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3680(3): 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4680(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-3661(6) or FREN-3681(6) are not permitted to take this course. Students may not hold credit for both FREN-3680(3) and FREN-4680(3).

FREN-3681(3)/FREN-4681(3) LITTÉRATURE DU 17^e SIÈCLE II : LE CLASSICISME (Le3) This course offers a critical study of works representative of the rich literary production of the seventeenth century, dominated by Louis XIV and the Court of Versailles. While emphasis will vary from year to year, this course may include works by major authors such as Molière, Racine, La Fontaine, Madame de Sévigné and Madame de La Fayette. The course will investigate some of the changing concepts of tragedy and comedy, and trends such as *préciosité*, *classicisme*, *honnêteté* and *absolutisme*. Students enrolled in FREN-4681(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3681(3): 6 credit-hours in 2000-level French Studies literature courses or permission of Instructor.

PREREQUISITES for FREN-4681(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-3661(6) or FREN-3681(6) are not permitted to take this course. Students may not hold credit for both FREN-3681(3) and FREN-4681(3).

FREN-3883(3)/FREN-4883(3) PRE-INDEPENDENCE FRANCOPHONE AFRICAN LITERATURE (Le3) This course will focus on the Francophone African and Caribbean literature of the pre-independence, "negritude" period, with some reference to the post-independence "realist" literature. Poetry by Léopold Sédar Senghor and Aimé Césaire will complement a selection of novels from the works of writers such as Cheik Hamidou Kane, Mongo Beti, Ferdinand Oyono, Camara Laye, or Chinua Achebe. A selection of African and Caribbean videos will provide a cultural, social, and historical background to works studied. Students

enrolled in FREN-4883(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3883(3): 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4883(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students may not hold credit for both FREN-3883(3) and FREN-3881(6).

FREN-3884(3)/FREN-4884(3) FRANCOPHONE BLACK FEMINIST LITERATURE (Le3) Through a study of selected novels and poetry by leading women authors such as Mariama Bâ, Aminata Sow Fall, Calixte Beyala, Were-Were Liking, and Simone Swarz-Bart, this course aims to develop an awareness of these writers' differing responses to the challenges of modern feminism. In this regard, the course offers a comparative approach to Third World and Western feminisms. A selection of African and Caribbean videos will provide a cultural, social, and historical background to works selected. Students enrolled in FREN-4884(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3884(3): 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4884(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students may not hold credit for both FREN-3884(3) and FREN-3881(6).

FREN-3952(3)/FREN-4952(3) FROM THE COUNTRY TO THE CITY: THE EARLY QUÉBEC NOVEL (Le3) This course focuses on the narrative and discursive development of the Québec novel from the end of the nineteenth century to the 1950s. The works of women and men novelists will be studied with emphasis placed on the *roman psychologique*, the *roman du terroir* and the *roman urbain* as they exemplify the novel's changing form, style and discourse.

Methodologies drawn from *la sociologie de la littérature*, *la sociocritique* and *la sémiotique littéraire* will be applied to novels by such authors as Laure Conan, Albert Laberge, Germaine Guèvremont, Gabrielle Roy, Roger Lemelin and André Langevin. Frequent discussions will take a *table ronde* format. Students enrolled in FREN-4952(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3952: 6 credit-hours in 2000-level French Studies literature courses or permission of instructor.

PREREQUISITES for FREN-4952: 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-3951(6) or FREN-4951(6) are not permitted to take FREN-3952(3) or FREN-4952(3). Students may not hold credit for both FREN-3952(3) and FREN-4952(3).

FREN-3953(3)/FREN-4953(3) EXPANDING BORDERS: THE CONTEMPORARY FRANCOPHONE NOVEL OF CANADA (Le3) In this course, students will study the narrative and discursive diversity of the contemporary francophone novel of Canada from the liberating influence of Québec's *révolution tranquille* of the 1960s and the emergence of the Acadian novel to the unique contribution of Western Canadian writers and *les écrivains migrants*. The novels of writers such as Marie-Claire Blais, Réjean Ducharme, Gilbert La Rocque, Nancy Huston, Gaétan Soucy, Jacques Savoie, Régine Robin and Ying Chen will be analyzed in relation to such methodological concepts as *subjectivité*, *être-au-monde*, *isotopie* and *matrice*. Frequent discussions will take a *table ronde* format. Students enrolled in FREN-4953(3) will also attend a weekly 75-minute seminar.

PREREQUISITES for FREN-3953(3): 6 credit-hours in 2000-level French Studies literature courses and permission of instructor.

PREREQUISITES for FREN-4953(3): 6 credit-hours in 2000-level French Studies literature courses and permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-3951(6) or FREN-4951(6) are not permitted to take FREN-3953(3) or FREN-4953(3). Students may not hold credit for both FREN-3953(3) and FREN-4953(3).

FREN-4021(6) TUTORIAL (T) The specialized study of a single author, or of a *genre*, period or theme, or of a specific language or linguistics topic, under the direction of a professor.

PREREQUISITE: permission of instructor.

FREN-4021(3) TUTORIAL (T) The specialized study of a single author, or of a *genre*, period or theme, or of a specific language or linguistics topic, under the direction of a professor.

PREREQUISITE: permission of instructor.

FREN-4091(6) DIRECTED READINGS (D) A program of readings and consultations, designed to enable the student to carry out a comprehensive study of a particular period or literary *genre*, or of a specific language or linguistics topic, under the direction of a Professor.

PREREQUISITE: permission of instructor.

FREN-4112(3) SYNTAX OF MODERN FRENCH (Le3)

This course provides an intensive study of modern French syntax. It includes an introduction to distributional categories; a functionalist investigation of word roles (e.g. *caractérisation*, *complément interne*) and verbal structures (e.g. *diathèse*); a detailed study of typical French forms (e.g. impersonal), functions (e.g. aspects) and tenses. It focuses on grammaticality and sentence analysis. Simple sentence types and complex subordinate clauses are examined, and transformational rules as they apply to the French language. Examples are drawn from literary and non-literary sources. Course work combines sentence comprehension, syntactic description and regular exercises in sentence production.

PREREQUISITES: FREN-2109(3), a minimum of one 3-credit hour language course in French Studies at the 3000-level and permission of Honours advisor.

FREN-4115(3) LITERARY TRANSLATION (Le,S3) After a brief introduction to the history of translation, this course focuses on major aspects of literary translation, as related to genres (e.g. novel, poetry), to style (e.g. metaphors, word-order), and to metalinguistic questions (e.g. reception by target readers). Course work includes translations, reviews of theoretical works (e.g. A. Berman, H. Meschonnic), and critical comparisons of published translation (twentieth century literary texts).

PREREQUISITES: FREN-3111(6) and permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit for a Directed Readings course in Literary Translation may not receive credit for this course.

FREN-4730(3) LA RENAISSANCE (Le, S3) This course offers a study of French prose and poetry of the sixteenth century, with emphasis on major figures such as Rabelais, Montaigne, Marguerite de Navarre, Du Bellay and Ronsard. Special attention will be given to developments in literary styles and to significant religious, scientific and philosophical ideas.

PREREQUISITES: Permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-4731(6) are not permitted to take this course.

FREN-4760(3) NINETEENTH-CENTURY POETS (Le3)

This course offers an intensive and extensive study of selected nineteenth century poets in the context of a broad review of the history, the evolution and the poetics of the various French literary schools. Course work will be representative of the romantic, parnassian and the symbolist movements, and poets such as Lamartine, Musset, Vigny, Hugo, Baudelaire, Verlaine, Rimbaud, Gautier, and Leconte de Lisle will be studied. From both the historical and the aesthetic perspectives, the centrality of Baudelaire's *Fleurs du mal* will be emphasized.

PREREQUISITE: Permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-4481(6) are not permitted to take this course.

FREN-4761(3) NINETEENTH-CENTURY WOMEN POETS (Le3)

This course focuses on selected nineteenth century women poets in the context of a broad review of the history, the evolution and the poetics of the various French literary schools. Course work will be representative of the romantic, parnassian and the symbolist movements, and may include works by La Princesse de Salm-Dyck, Marceline Desbordes-Valmore, Mélanie Waldor, Louisa Siéfert, Pauline de Flangergues, Louise Ackermann and Louise Colet. Extracts from *Mme de Staël* will provide some theoretical background to French romanticism.

PREREQUISITE: Permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-4481(6) may not receive credit for this course.

FREN-4885(3) LITERATURE OF THE EARLY MIDDLE

AGES (Le, S3) This course examines the narrative and lyric genres that arose in France in the early Middle Ages, including epic and lyric poetry, the lay, and metrical romance. The course focuses particularly on works produced by men and women writers in the context of the court. Representative texts of this courtly literature, by known authors such as Chrétien de Troyes and Marie de France or by anonymous authors, will be studied in modernized versions. **PREREQUISITE:** Permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-4881(6) or FREN-4882(3) may not receive credit for this course.

FREN-4886(3) LITERATURE OF THE LATE MIDDLE AGES (Le, S3)

Works of the fourteenth and fifteenth centuries are explored in this course. Questions of genre and convention, narrative technique, and narrative voice are discussed in works produced in a diverse range of contexts. Genres such as theatre and fabliaux will receive attention, together with selected texts by well-known authors François Villon and Christine de Pizan.

PREREQUISITE: Permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-4881(6) are not permitted to take this course.

FREN-4932(3) LITERARY THEORY AND RESEARCH METHODS (S3)

In this seminar, students will explore the richness of twentieth-century literary theory. Critical methodologies examined will be selected from the following: phenomenological, sociological, ideological, psychoanalytical, structuralist, semiotic and genetic. Students will be required to apply the approaches studied to various prose works from Québec and France. In addition, students will be introduced to bibliographical research methods and on-line research tools.

PREREQUISITE: Permission of Honours advisor.

RESTRICTIONS: Students who have obtained credit in the former FREN-4931(6) are not permitted to take this course.

FREN-4933(3) LA NARRATOLOGIE (S3)

This seminar presents a body of literary theory relating to French narratology, i.e., the study of how narrative components (time, space, character and narrator) produce meaning and discourse in the literary text. Students study the work of a variety of theoreticians, including Genette, Jouve, Lintvelt and Bal, and notions such as *histoire/récit/narration*, *diégésis/mimésis*, *mode narratif (distance, fonctions du narrateur)*, *instance narrative/voix narrative*, *récit emboîté*, *métalepse* and *effet-personnage*. Students' analyses of Canadian, Caribbean and French texts (short stories and novels), drawn from the nineteenth century to the present, are presented as oral exposés and in written form.

PREREQUISITE: Permission of Honours advisor.

GEOGRAPHY (GEOG)

Updated January 31, 2013

Note: The department/program code GEOG replaces the former code 23. Students cannot hold credit in GEOG-xxxx and the former 23.xxxx having the same course number (e.g., GEOG-1102(3) and 23.1102(3)).

Chair: Professor Marc Vachon; Professors: E. Cloutis, W.F Rannie; Associate Professor: J. Binyamin, B. Buhay, J. Distasio, P. Fitzpatrick; R. Stock; Assistant Professors: M. Dyce, C. Storie; J. Storie, G. Sylvestre; Instructors: B.R. McGregor, M. Krawetz; Cartographer: W. Hiebert; Lab Technician: K. Monson; Map Librarian: B. Russell; Department Assistant: Tania Guevara Sandoval; Adjunct Professor: L. Fishback.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

4-Year BA (UW/RRC)

Honours BA

3-Year BSc

3-Year BSc (Business Stream)

4-Year BSc

4-Year BSc (Business Stream)

4-Year BSc (UW/RRC)

Honours BSc

INTRODUCTION

The study of Geography is concerned with the Earth in two ways - as the science of interaction between natural elements of the environment, such as weather, plants, soils, and landforms and, secondly, as the science of the distribution and activities of the Earth's population in response to various social and environmental factors. Systematic studies in Geography examine the locations, distributions, arrangements, and associations between groups of interrelated features. In contrast, regional studies examine the totality of geographic phenomena in a particular area. No matter what approach is taken, there are certain skills and techniques that are of particular geographic relevance (e.g., remote sensing, cartography, Geographic Information Systems).

As a reflection of the diversity that exists within the study of Geography and the special skills required, the Department offers courses within five areas of study: General, Physical Geography, Geomatics (formerly Techniques), Systematic Human Geography, and Regional Geography. One may earn either the 3-Year or 4-Year Bachelor's degree in either Arts or Science, as well as the BA Honours or BSc Honours degree. Students pursuing a 3-year or 4-year BSc also have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. See the "Science with a Business Stream" section of this Course Calendar. Students may also earn a 4-Year BA or BSc degree in a joint program in Geography/Geographic Information Systems with Red River College.

Geography offers a considerable variety of career opportunities. High schools require a continuing supply of Geography teachers. Various federal and provincial agencies dealing with conservation, urban planning, recreation, landscape architecture, and resource use also provide opportunities, especially to those with Honours or graduate work in Geography. Undergraduate training in the subject is often required for certain business careers, especially in surveying, market assessment, and location and general commercial development. Training in Geographical Information Systems is especially in demand.

REQUIREMENTS FOR A 3-YEAR BA IN GEOGRAPHY

ADMISSION REQUIREMENT	Students must consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours.
Double Major:	30 credit hours in Geography and specified number of credit hours in other Major subject or program.

Required Courses:

Common Geography Requirement (12 credit hours)

- GEOG-1102(3)** Introductory Human Geography I: People, Culture and Environment
- GEOG-1103(3)** Introductory Human Geography II: Population, Place and Development
- GEOG-1201(3)** Introductory Atmospheric Science
- GEOG-1202(3)** Introductory Earth Science

Regional Geography Requirement (6 credit hours)

Minimum of 6 credit hours from among the following:

- GEOG-2503(3)** Manitoba's Physical and Human Environments
- GEOG-3216(3)** Arctic Environments
- GEOG-3508(3)** Geographical Issues in the Developing World
- GEOG-3509(3)** Canada's Physical and Human Environments
- GEOG-3510(3)** Prairie Landscapes
- GEOG-3511(3)** Topical Regions in Geography
- GEOG-3512(3)** The Human Geography of Northern Canada

Systematic Human Geography Requirement (6 credit hours)

Minimum of 6 credit hours in Systematic Human Geography

Electives (6 credit hours)

Minimum 6 additional credit hours from any area of Geography

Combined Major: Minimum 48 credit hours from 2 different Majors with not less than 18 credit hours from each major subject

Prescribed Courses:

- GEOG-1102(3)** Introductory Human Geography I: People, Culture and Environment
- GEOG-1103(3)** Introductory Human Geography II: Population, Place and Development
- GEOG-1201(3)** Introductory Atmospheric Science
- GEOG-1202(3)** Introductory Earth Science
- 6 additional credit hours from the Systematic Human Geography Group

REQUIREMENTS FOR A 3-YEAR BSc IN GEOGRAPHY

ADMISSION REQUIREMENT	Students must consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours/Maximum 48 credit hours.
Double Major:	Minimum 36 credit hours in Geography and specified number of credit hours in other Major subject or program.

Required Courses:

Common Geography Requirement (12 credit hours)

- GEOG-1102(3)** Introductory Human Geography I: People, Culture and Environment
- GEOG-1103(3)** Introductory Human Geography II: Population, Place and Development
- GEOG-1201(3)** Introductory Atmospheric Science
- GEOG-1202(3)** Introductory Earth Science

Physical Geography/Geomatics Requirement (24 credit hours)

GEOG-2304(3) Computer Mapping or **GEOG-2309(3)** Statistical Techniques in Environmental Analysis
12 credit hours from among:

- GEOG-2207(3)** Climatology
- GEOG-2210(3)** Meteorology
- GEOG-2213(3)** Introductory Soil Science
- GEOG-2214(3)** Soil-Vegetation Systems
- GEOG-2215(3)** Mineralogy and Petrology
- GEOG-2216(3)** Physical Geology
- GEOG-2218(3)** Fluvial and Hillslope Processes

GEOG-2219(3) Glacial and Periglacial Processes
GEOG-3210(3) Hydrology

Minimum 9 additional credit hours from the Physical Geography or Geomatics groups (i.e., where the second digit of the course number is a 2 or 3)

External Science Requirement (18 credit hours)

Minimum of 18 credit hours selected from at least two (2) of the Departments of Biology, Applied Computer Science, Chemistry, Mathematics, Physics, and Statistics.

The following courses do not qualify:

ACS-1453(3) Introduction to Computers
ACS-1803(3) Introduction to Computer-based Systems
BIOL-1102(6) Biology and Human Concerns
BIOL-1103(6) Human Biology
BIOL-1005(6) Concepts in Science
BIOL-1106(3) Environmental Biology
CHEM-0100(3) Foundations of Chemistry
CHEM-1801(3) Headline Chemistry
CHEM-2801(3) Chemistry and Society
ENV-1600(3) Human-Environmental Interactions
ENV-2603(3) Environmental Sustainability: A Global Dilemma
ENV-2604(3) Environment and Health
MATH-0001(6) Basic Mathematics
MATH-0005(3) Introductory Mathematics
MATH-2901(3) History of Calculus
MATH-2903(3) Mathematics for Early/Middle Years Teachers
MULT-1005(6) Concepts in Science
PHYS- 1005(6) Concepts in Science
PHYS-1501(6) Modern Technology
PHYS-1701(6) Astronomy
PHYS-2705(6) Cosmology: Science Fact to Science Fiction
PHYS-2812(3) The Physics of Music

Combined Major: Minimum 48 credit hours from 2 different Majors with not less than 18 credit hours from each major subject

Prescribed Courses:

GEOG-1102(3) Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3) Introductory Human Geography II: Population, Place and Development
GEOG-1201(3) Introductory Atmospheric Science
GEOG-1202(3) Introductory Earth Science
6 additional credit hours from the Physical Geography Group

REQUIREMENTS FOR THE 3-YEAR BSc IN GEOGRAPHY WITH A BUSINESS STREAM

Students must complete the requirements of the 3-year BSc in Geography degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR A 4-YEAR BA IN GEOGRAPHY

ADMISSION REQUIREMENT Students must consult with the Department Advisor in planning their studies.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates: Minimum of 18 credit hours/Maximum of 36 credit hours in ancillary courses.
Maximum total of cognate and major courses is 84 credit hours combined.

Required Courses:

Common Geography Requirement (12 credit hours)

- GEOG-1102(3)** Introductory Human Geography I: People, Culture and Environment
- GEOG-1103(3)** Introductory Human Geography II: Population, Place and Development
- GEOG-1201(3)** Introductory Atmospheric Science
- GEOG-1202(3)** Introductory Earth Science

Regional Geography Requirement (6 credit hours) - Minimum of 6 credit hours from among the following:

- GEOG-2503(3)** Manitoba's Physical and Human Environments
- GEOG-3216(3)** Arctic Environments
- GEOG-3508(3)** Geographical Issues in the Developing World
- GEOG-3509(3)** Canada's Physical and Human Environments
- GEOG-3510(3)** Prairie Landscapes
- GEOG-3511(3)** Topical Regions in Geography
- GEOG-3512(3)** The Human Geography of Northern Canada

Systematic Human Geography Requirement (6 credit hours)

Minimum of 6 credit hours in Systematic Human Geography

Geomatics Requirement (12 credit hours)

- GEOG-2304(3)** Computer Mapping
- GEOG-2306(3)** Introduction to Geographic Information Systems
- GEOG-2309(3)** Statistical Techniques in Environmental Analysis
- GEOG-3330(3)** Research Methods in Geography

Other Requirements

Students must complete 48 credit hours in Geography. Overall minimum of 12 credit hours of upper level (3000 and 4000) Systematic Human or Geomatics courses with a minimum of 6 credit hours at the 4000 level.

Combined Major: Minimum 60 credit hours from two (2) different Majors with not less than 24 credit hours from each major subject.

Prescribed Courses:

- GEOG-1102(3)** Introductory Human Geography I: People, Culture and Environment
- GEOG-1103(3)** Introductory Human Geography II: Population, Place and Development
- GEOG-1201(3)** Introductory Atmospheric Science
- GEOG-1202(3)** Introductory Earth Science
- 6 additional credit hours from the Systematic Human Geography Group

REQUIREMENTS FOR A 4-YEAR BSc IN GEOGRAPHY

ADMISSION REQUIREMENT	Students must consult with the department advisor in planning their studies.
GRADUATION REQUIREMENT	120 credit hours, that is, 90 credit hours meeting the requirements for the 3-Year BSc plus an additional 30 credit hours.
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 57 credit hours/Maximum 78 credit hours.
Double Major:	Minimum 57 credit hours in Geography and specified number of courses in other Major.

Required Courses:

Common Geography Requirement (12 credit hours)

- GEOG-1102(3)** Introductory Human Geography I: People, Culture and Environment
- GEOG-1103(3)** Introductory Human Geography II: Population, Place and Development

GEOG-1201(3) Introductory Atmospheric Science
GEOG-1202(3) Introductory Earth Science

Physical Geography/Geomatics Requirement (45 credit hours)

GEOG-2304(3) Computer Mapping
GEOG-2306(3) Introduction to Geographic Information Systems
GEOG-2309(3) Statistical Techniques in Environmental Analysis or STAT-1201(6) Introduction to Statistic Analysis
GEOG-2316(3) Remote Sensing
GEOG-3330(3) Research Methods in Geography

12 credit hours from among

GEOG-2207(3) Climatology
GEOG-2210(3) Meteorology
GEOG-2213(3) Introductory Soil Science
GEOG-2214(3) Soil-Vegetation Systems
GEOG-2215(3) Mineralogy and Petrology
GEOG-2216(3) Physical Geology
GEOG-2218(3) Fluvial and Hillslope Processes
GEOG-2219(3) Glacial and Periglacial Processes
GEOG-3210(3) Hydrology

18 additional credit hours from the Physical Geography or Geomatics groups

Overall minimum of 12 credit hours of upper level (3000 and 4000) Physical Geography or Geomatics courses with a minimum of 6 credit hours at the 4000 level.

External Science Requirement (24 credit hours)

Minimum of 24 credit hours selected from at least two (2) of the Departments of Biology, Applied Computer Science, Chemistry, Mathematics, Physics, and Statistics.

The following courses do not qualify:

ACS-1453(3) Introduction to Computers
ACS-1803(3) Introduction to Computer-based Systems
BIOL-1005(6) **Concepts in Science**
BIOL-1102(6) Biology and Human Concerns
BIOL-1103(6) Human Biology
BIOL-1106(3) Environmental Biology
CHEM-0100(3) **Foundations of Chemistry**
CHEM-1801(3) **Headline Chemistry**
CHEM-2801(3) Chemistry and Society
ENV-1600(3) Human-Environmental Interactions
ENV-2603(3) Environmental Sustainability: A Global Dilemma
ENV-2604(3) Environment and Health
MATH-0001(6) Basic Mathematics
MATH-0005(3) Introductory Mathematics
MATH-2901(3) History of Calculus
MATH-2903(3) Mathematics for Early/Middle Years Teachers
MULT-1005(6) Concepts in Science
PHYS-1005(6) Concepts in Science
PHYS-1501(6) Modern Technology
PHYS-1701(6) Astronomy
PHYS-2705(6) Cosmology: Science Fact to Science Fiction
PHYS-2812(3) The Physics of Music

Combined Major: Minimum 60 credit hours from 2 different Majors with not less than 24 credit hours from each major subject.

Prescribed Courses:

GEOG-1102(3) Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3) Introductory Human Geography II: Population, Place and Development
GEOG-1201(3) Introductory Atmospheric Science
GEOG-1202(3) Introductory Earth Science
6 additional credit hours from the Physical Geography Group

REQUIREMENTS FOR THE 4-YEAR BSc IN GEOGRAPHY WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Geography degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR AN HONOURS BA IN GEOGRAPHY

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., Fs are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours
Minimum 21 credit hours in upper level (3000 and 4000) Honours subject courses of which a minimum of 15 credit hours must be at the 4000 level (including Thesis).

Double Honours: Student must satisfy the requirements for both the Honours BA in Geography and the requirements for the Honours BA in the second Honours department in consultation with the Geography Department Chair.

Required Courses:

Common Geography Requirement (12 credit hours)

GEOG-1102(3) Introductory Human Geography I: People, Culture and Environment

GEOG-1103(3) Introductory Human Geography II: Population, Place and Development

GEOG-1201(3) Introductory Atmospheric Science

GEOG-1202(3) Introductory Earth Science

Regional Geography Requirement (6 credit hours)

Minimum of 6 credit hours from among the following

GEOG-2503(3) Manitoba's Physical and Human Environments

GEOG-3216(3) Arctic Environments

GEOG-3508(3) Geographical Issues in the Developing World

GEOG-3509(3) Canada's Physical and Human Environments

GEOG-3510(3) Prairie Landscapes

GEOG-3511(3) Topical Regions in Geography

GEOG-3512(3) The Human Geography of Northern Canada

Systematic Human Geography Requirement (6 credit hours)

Minimum of 6 credit hours in Human Geography

Geomatics Requirement (12 credit hours)

GEOG-2304(3) Computer Mapping

GEOG-2306(3) Introduction to Geographic Information Systems

GEOG-2309(3) Statistical Techniques in Environmental Analysis

GEOG-3330(3) Research Methods in Geography

Thesis Requirement (6 credit hours)

GEOG-4901(6) Honours Geography Thesis - 6 credit hours with a prerequisite of **GEOG-3330(3)** (Research Methods in Geography), 36 credit hours completed in Geography, and a Geography GPA of 3.0.

Other Requirements

Students must complete 54 credit hours in Geography.

Minimum 21 credit hours in upper level (3000 and 4000) Honours subject courses of which a minimum of 15 credit hours (including the thesis) must be at the 4000 level.

Average of 2.5 GPA in non-Geography courses and 3.00 GPA on all attempts in Geography courses (exit requirement).

REQUIREMENTS FOR AN HONOURS BSc IN GEOGRAPHY

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.75 in Non-Honours Subject courses. The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.75 GPA in all Non-Honours Subject courses will be calculated as for the general degree (i.e., Fs are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 63 credit hours/Maximum 78 credit hours
Minimum 30 credit hours in upper level (3000 and 4000) Honours Subject courses of which a minimum of 15 credit hours must be at the 4000 level (including Thesis).

Double Honours: Students must satisfy the requirements for both the Honours BSc in Geography and the requirements for the Honours BSc in the second Honours department, in consultation with the Geography Department Chair.

Required Courses

Common Geography Requirement (12 credit hours)

GEOG-1102(3) Introductory Human Geography I: People, Culture and Environment

GEOG-1103(3) Introductory Human Geography II: Population, Place and Development

GEOG-1201(3) Introductory Atmospheric Science

GEOG-1202(3) Introductory Earth Science

Physical Geography/Geomatics Requirements (45 credit hours)

GEOG-2304(3) Computer Mapping

GEOG-2306(3) Introduction to Geographic Information Systems

GEOG-2309(3) Statistical Techniques in Environmental Analysis

GEOG-2316(3) Remote Sensing

GEOG-3330(3) Research Methods in Geography

12 credit hours from the following:

GEOG-2207(3) Climatology

GEOG-2210(3) Meteorology

GEOG-2213(3) Introductory Soil Science

GEOG-2214(3) Soil-Vegetation Systems

GEOG-2215(3) Mineralogy and Petrology

GEOG-2216(3) Physical Geology

GEOG-2218(3) Fluvial and Hillslope Processes

GEOG-2219(3) Glacial and Periglacial Processes

GEOG-3210(3) Hydrology

Minimum of 18 additional credit hours of upper level (3000 and 4000) Physical Geography or Geomatics courses (excluding Thesis) with a minimum of 9 credit hours at the 4000 level (excluding Thesis).

Thesis Requirement (6 credit hours)

GEOG-4901(6) Honours Geography Thesis - 6 credit hours with a prerequisite of **GEOG-3330 (3)** (Research Methods in Geography), 36 credit hours completed in Geography, and a Geography GPA of 3.0

External Science Courses (24 credit hours)

Minimum of 24 credit hours selected from at least two(2) of the Departments of Biology, Applied Computer Science, Chemistry, Mathematics, Physics, and Statistics, of which 12 credit hours must be at or above the 2000-level.

The following courses do not qualify:

ACS-1453(3) Introduction to Computers

ACS-1803(3) Introduction to Computer-based Systems

BIOL-1005(6) Concepts in Science
BIOL-1102(6) Biology and Human Concerns
BIOL-1103(6) Human Biology
BIOL-1106(3) Environmental Biology
CHEM-0100(3) Foundations of Chemistry
CHEM-1801(3) Headline Chemistry
CHEM-2801(3) Chemistry and Society

MATH-0001(6) Basic Mathematics
MATH-0005(3) Introductory Mathematics
MATH-2901(3) History of Calculus
MATH-2903(3) Mathematics for Early/Middle Years Teachers
MULT-1005(6) Concepts in Science
PHYS-1005(6) Concepts in Science
PHYS-1501(6) Modern Technology
PHYS-1701(6) Astronomy
PHYS-2705(6) Cosmology: Science Fact to Science Fiction
PHYS-2812(3) The Physics of Music

Grade Point Requirement

GPA of 2.75 in non-Geography courses and 3.00 on all attempts in Geography courses (exit requirement).

Suggested Patterns:

Year 1: **GEOG-1102(3)** Introductory Human Geography I; **GEOG-1103(3)** Introductory Human Geography II; **GEOG-1201(3)** Introductory Atmospheric Science; **GEOG-1202(3)** Introductory Earth Science

Year 2: 12-18 credit hours in Geography. Recommended: **GEOG-2309(3)** Statistical Techniques in Environmental Analysis and **GEOG-2304(3)** Computer Mapping

Prerequisite course(s) for planned Honours courses.

Year 3: 3-6 credit hours at the 4000 level in Geography.

Year 4: 9-12 credit hours at the 4000 level in Geography, including the Thesis.

4000-level courses from other Departments may be credited toward the Geography Honours Major with ADVANCE WRITTEN APPROVAL from the Department Chair.

Students must consult with the Department Chair to determine whether they fulfill the general regulations for the Honours program.

Students must complete the Honours application form before EACH registration in a 4000-level course.

Students planning to complete a Double Honours degree in Geography must consult with the Department Chair for further details.

REQUIREMENTS FOR THE UNIVERSITY OF WINNIPEG / RED RIVER COLLEGE 4-YEAR BA (JOINT PROGRAM IN GEOGRAPHY / GEOGRAPHIC INFORMATION SYSTEMS)

INTRODUCTION

This is a joint program of study whereby students are required to take courses at both The University of Winnipeg and Red River College. The program is intended to integrate a 4-year University of Winnipeg BA in Geography with the 1-year Red River College Advanced Diploma in Geographic Information Systems, effectively compressing five years of study into four years. The program has been specifically designed to prepare students for careers in industry where practical and theoretical skills are necessary.

Students are normally enrolled at The University of Winnipeg in years one, two, and four, and at Red River College for year three. Students who successfully complete the entire program will receive a 4-Year BA Degree from The University of Winnipeg and an Advanced Diploma from Red River College.

Please consult the Chair of the Department of Geography for assistance with degree planning. For information concerning the Red River College component of the program contact Roger Hamelin at 632-2983 or rhamelin@rrc.mb.ca.

ADMISSION REQUIREMENT

Students must meet the entrance requirements for admission to The University of Winnipeg. Application to the program in Geography/Geographic Information Systems must be completed through the Admissions Office of The University of Winnipeg by March 1st in order to enter the program in September.

GRADUATION REQUIREMENT

120 credit hours, that is, 90 credit hours meeting the requirements for the BA General plus 30 additional credit hours.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Social Science:	12 credit hours
Science:	6 credit hours
Writing:	Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum of three (3) credit hours from each of five (5) different subjects
4000-level Courses:	Minimum of six (6) credit hours

MAJOR REQUIREMENT FOR THIS JOINT PROGRAM

Single Major: Minimum 57 credit hours/Maximum 66 credit hours

UNIVERSITY OF WINNIPEG COURSES

REQUIRED CORE COURSES (30 credit hours):

GEOG-1102(3)	Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3)	Introductory Human Geography II: Population, Place and Development
GEOG-1201(3)	Introductory Atmospheric Science
GEOG-1202(3)	Introductory Earth Science
GEOG-2304(3)	Computer Mapping
GEOG-2306(3)	Introduction to Geographic Information Systems (should be taken <u>before</u> entering RRC Diploma program)
GEOG-2309(3)	Statistical Techniques in Environmental Analysis
GEOG-2316(3)	Remote Sensing
GEOG-3306(3)	Advanced Geographic Information Systems (should be taken <u>after</u> RRC Diploma Program)
GEOG-3330(3)	Research Methods in Geography

OTHER REQUIREMENTS FOR THE 4-YR BA JOINT UW/RRC PROGRAM IN GEOGRAPHY/GIS (27 credit hours):

GROUP A COURSES: Select nine (9) credit hours from this group:

GEOG-2212(3)	Natural Hazards
GEOG-2216(3)	Physical Geology
GEOG-2213(3)	Introductory Soil Science
GEOG-2214(3)	Soil-Vegetation Systems
GEOG-3210(3)	Hydrology
GEOG-3215(3)	Biogeography

GROUP B COURSES: Select six (6) credit hours from this group:

GEOG-2204(3)	Human Impact on the Environment
GEOG-2401(3)	Agricultural Geography
GEOG-2407(3)	Recreation Geography
GEOG-3408(3)	Water Resources
GEOG-3508(3)	Geographical Issues in the Developing World

GROUP C COURSES: Select six (6) credit hours from this group:

GEOG-3307(3)	Advanced Computer Mapping
GEOG-3310(3)	Spatial Analysis
GEOG-3319(3)	Advanced Remote Sensing
GEOG-4320(3)	Projects in Geomatics
GEOG-4321(3)	Topics in Geomatics I or
GEOG-4322(3)	Topics in geomatic II

GROUP D COURSES: Select six (6) credit hours from this group:

GEOG-2414(3)	The Urban Environment
GEOG-2415(3)	An Introduction to Urban Development
GEOG-3402(3)	Urbanization in the Developing World
GEOG-4403(3)	Urban Land Use: Developmental Processes
GEOG-4404(3)	Field Research in Urban Geography
GEOG-4407(3)	Advanced Tourism and Recreation Geography

4-YR BA GEOGRAPHY MAJOR REQUIREMENTS: All students in the 4-Yr BA Joint program are reminded that they must meet the requirements of the general 4-Yr BA in Geography, including 6 credit hours of Regional Geography and an overall minimum of 12 credit hours of upper-level (3000 or 4000) Systematic Human or Geomatics courses with a minimum of 6 credit hours at the 4000 level.

RED RIVER COLLEGE COURSES

<u>TERM 1</u>	RRC credit hours
CIVG-4021 Remote Sensing	6
CIVG-4022 Statistics for GIS	3
CIVG-4024 Cartography	4

CIVG-4025	GIS Fundamentals	7
CIVG-4026	Programming 1	6
CIVG-4030	Project Management Fundamental	2
CIVG-4032	Surveying	2
CIVG-4034	GIS Applications 1	3

TERM 2

CIVG-4027	GIS Modeling	4
CIVG-4028	Applied Remote Sensing	3
CIVG-4029	Programming 2	6
CIVG-4031	Spatial Database Management	5
CIVG-4033	Thesis Project	12
CIVG-4035	GIS Applications 2	3

REQUIREMENTS FOR THE UNIVERSITY OF WINNIPEG / RED RIVER COLLEGE 4-YEAR BSc (JOINT PROGRAM IN GEOGRAPHY / GEOGRAPHIC INFORMATION SYSTEMS)

INTRODUCTION

This is a joint program of study whereby students are required to take courses at both The University of Winnipeg and Red River College. The program is intended to integrate a 4-year University of Winnipeg BSc in Geography with the 1-year Red River College Advanced Diploma in Geographic Information Systems, effectively compressing five years of study into four years. The program has been specifically designed to prepare students for careers in industry where practical and theoretical skills are necessary.

Students are normally enrolled at The University of Winnipeg in years one, two, and four and at Red River College for year three. Students who successfully complete the entire program will receive a 4-Year BSc Degree from The University of Winnipeg and an Advanced Diploma from Red River College.

Please consult the Chair of the Department of Geography for assistance with degree planning. For information concerning the Red River College component of the program contact Roger Hamelin at 632-2983 or rhamelin@rrc.mb.ca.

ADMISSION REQUIREMENT

Students must meet the entrance requirements for admission to The University of Winnipeg. Application to the program in Geography/Geographic Information Systems must be completed through the Admissions Office of The University of Winnipeg by March 1st in order to enter the program in September.

GRADUATION REQUIREMENT

120 credit hours, that is, 90 credit hours meeting the requirements for the BSc General plus 30 additional credit hours.

RESIDENCE REQUIREMENT

Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities:	12 credit hours in Humanities
Writing:	Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum of three (3) credit hours from each of five (5) different subjects
4000-level Courses:	Minimum of six (6) credit hours

MAJOR REQUIREMENT

Single Major:	Minimum 57 credit hours/Maximum 66 credit hours
---------------	---

UNIVERSITY OF WINNIPEG COURSES

REQUIRED CORE COURSES (30 credit hours):

GEOG-1102(3)	Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3)	Introductory Human Geography II: Population, Place and Development
GEOG-1201(3)	Introductory Atmospheric Science
GEOG-1202(3)	Introductory Earth Science
GEOG-2304(3)	Computer Mapping
GEOG-2306(3)	Introduction to Geographic Information Systems (should be taken <u>before</u> entering RRC Diploma Program)
GEOG-2309(3)	Statistical Techniques in Environmental Analysis

- GEOG-2316(3)** Remote Sensing
- GEOG-3306(3)** Advanced Geographic Information Systems (should be taken after RRC Diploma Program)
- GEOG-3330(3)** Research Methods in Geography

OTHER REQUIREMENTS FOR THE 4-YR BSc JOINT UW/RRC PROGRAM IN GEOGRAPHY/GIS (27 credit hours):

GROUP A COURSES: Select twelve (12) credit hours from this group:

- GEOG-2207(3)** Climatology
- GEOG-2210(3)** Meteorology
- GEOG-2213(3)** Introductory Soil Science
- GEOG-2214(3)** Soil-Vegetation Systems
- GEOG-2215(3)** Mineralogy and Petrology
- GEOG-2216(3)** Physical Geology
- GEOG-2218(3)** Fluvial and Hillslope Processes
- GEOG-2219(3)** Glacial & Periglacial Processes

GROUP B COURSES: Select three (3) credit hours from this group:

- GEOG-2212(3)** Natural Hazards
- GEOG-3210(3)** Hydrology
- GEOG-3215(3)** Biogeography

GROUP C COURSES: Select three (3) credit hours from this group:

- GEOG-4203(3)** Topics in Climatology
- GEOG-4212(3)** Topics in Earth Science
- GEOG-4231(3)** Topics in Biogeography
- GEOG-4232(3)** Conservation

GROUP D COURSES: Select three (3) credit hours from this group:

- GEOG-3307(3)** Advanced Computer Mapping
- GEOG-3310(3)** Spatial Analysis
- GEOG-3319(3)** Advanced Remote Sensing
- GEOG-4320(3)** Projects in Geomatics
- GEOG-4321(3)** Topics in Geomatics I or
- GEOG-4322(3)** Topics in Geomatic II

ADDITIONAL PHYSICAL/GEOMATICS COURSES: Minimum of six (6) additional credit hours of Physical/Geomatics Geography courses from any Group

NON-GEOGRAPHY SCIENCE REQUIREMENTS Minimum of 24 credit hours selected from at least two of the Departments of Biology, Applied Computer Science, Chemistry, Mathematics, Physics, and Statistics (for some restrictions, refer to the General Calendar)

4-YR BSc GEOGRAPHY MAJOR REQUIREMENTS: All students in the 4-Yr BSc Joint program are reminded that they must meet the requirements of the general 4-Yr Bsc in Geography, including an overall minimum of 12 credit hours of upper-level (3000 or 4000) Physical Geography or Geomatics courses with a minimum of 6 credit hours at the 4000 level.

RED RIVER COLLEGE COURSES

TERM 1	RRC credit hours
CIVG-4021 Remote Sensing	6
CIVG-4022 Statistics for GIS	3
CIVG-4024 Cartography	4
CIVG-4025 GIS Fundamentals	7
CIVG-4026 Programming 1	6
CIVG-4030 Project Management Fundamental	2
CIVG-4032 Surveying	2
CIVG-4034 GIS Applications 1	3
TERM 2	
CIVG-4027 GIS Modeling	4
CIVG-4028 Applied Remote Sensing	3
CIVG-4029 Programming 2	6
CIVG-4031 Spatial Database Management	5

CIVG-4033 Thesis Project	12
CIVG-4035 GIS Applications 2	3

GENERAL INFORMATION

Geography Courses Which Satisfy the Science Requirement

The Science requirement will be satisfied by 6 credit hours from the following courses:

GEOG-1201(3)	Introductory Atmospheric Science	GEOG-2213(3)	Introductory Soil Science
GEOG-1202(3)	Introductory Earth Science	GEOG-2214(3)	Soil-Vegetation Systems
GEOG-2201(6)	Geomorphology	GEOG-2215(3)	Mineralogy and Petrology
GEOG-2202(6)	Introductory Geology	GEOG-2216(3)	Physical Geology
GEOG-2203(6)	Geography of Soils and Vegetation	GEOG-2218(3)	Fluvial and Hillslope Processes
GEOG-2207(3)	Climatology	GEOG-2219(3)	Glacial and Periglacial Processes
GEOG-2210(3)	Meteorology	GEOG-3210(3)	Hydrology

Geography Courses Which Satisfy the Social Science Requirement

The Social Science requirement will be satisfied by 12 credit hours from courses in Systematic Human and/or Regional Geography (i.e. courses for which the second digit of the course number is a 4 or 5).

4000-Level Courses: Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of the department is required for each 4000-level course.

COURSE LISTINGS

Geography courses are categorized into five major groups: General, Physical, Geomatics, Human, and Regional. Courses are distinguished by the use of the second digit in the course number as follows:

General	Second digit is 1 (e.g. 1102(3) Introductory Human Geography I: People, Culture and Environment)
Physical	Second digit is 2 (e.g. 1201(3) Introductory Atmospheric Science)
Geomatics	Second digit is 3 (e.g. 2309(3) Statistical Techniques in Environmental Analysis)
Human	Second digit is 4 (e.g. 2407(3) Recreation Geography)
Regional	Second digit is 5 (e.g. 2503(3) Manitoba's Physical and Human Environments)

Beyond the minimum requirements for each degree, students may choose courses which provide a coherent specialization within the discipline. Guidelines to assist in this selection are included in the Departmental brochure, which is published annually and available from the Department secretary in 5L02.

INTRODUCTORY AND GENERAL COURSES

GEOG-1102(3)	Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3)	Introductory Human Geography II: Population, Place and Development
GEOG-1201(3)	Introductory Atmospheric Science
GEOG-1202(3)	Introductory Earth Science

PHYSICAL GEOGRAPHY COURSES

GEOG-2204(3)	Human Impact on the Environment
GEOG-2207(3)	Climatology
GEOG-2210(3)	Meteorology
GEOG-2212(3)	Natural Hazards
GEOG-2213(3)	Introductory Soil Science
GEOG-2214(3)	Soil-Vegetation Systems
GEOG-2215(3)	Mineralogy and Petrology
GEOG-2216(3)	Physical Geology
GEOG-2218(3)	Fluvial and Hillslope Processes
GEOG-2219(3)	Glacial and Periglacial Processes
GEOG-3204(3)	Climate Change and Variability
GEOG-3210(3)	Hydrology
GEOG-3211(3)	Karst and Coastal Geomorphology
GEOG-3213(3)	Sedimentology
GEOG-3215(3)	Biogeography

GEOG-3216(3)	Arctic Environments
GEOG-3217(3)	Tropical Environments
GEOG-3219(3)	Quaternary Environments
GEOG-4203(3)	Topics in Climatology
GEOG-4212(3)	Topics in Earth Sciences
GEOG-4231(3)	Topics in Biogeography
GEOG-4232(3)	Conservation
GEOG-4702(3)	Directed Readings in Physical Geography
GEOG-4801(3)	Physical Geography Field Seminar
GEOG-4901(6)	Honours Geography Thesis

GEOMATICS COURSES

GEOG-2304(3)	Computer Mapping
GEOG-2306(3)	Introduction to Geographic Information Systems
GEOG-2309(3)	Statistical Techniques in Environmental Analysis
GEOG-2316(3)	Remote Sensing
GEOG-3306(3)	Advanced Geographic Information Systems
GEOG-3307(3)	Advanced Computer Mapping
GEOG-3319(3)	Advanced Remote Sensing
GEOG-3330(3)	Research Methods in Geography

GEOG-4320(3) Projects in Geomatics
 GEOG-4321(3) Topics in Geomatics I
 GEOG-4322(3) Topics in geomatic II
 GEOG-4703(3) Directed Readings in Geomatics

SYSTEMATIC HUMAN GEOGRAPHY COURSES

GEOG-2401(3) Agricultural Geography
 GEOG-2407(3) Recreation Geography
 GEOG-2408(3) Environmental Perception and Human Behaviour
 GEOG-2409(6) Energy, Resources and Economic Development
 GEOG-2410(3) Selling Places: Geography of Marketing Tourism
 GEOG-2411(3) Geography of Globalization
 GEOG-2412(3) A Geographical Perspective on Tourism
 GEOG-2414(3) The Urban Environment
 GEOG-2415(3) An Introduction to Urban Development
 GEOG-2416(3) Sex, Gender, Space and Place
 GEOG-2417(3) An Introduction to Economic Geography
 GEOG-3401(3) Population Geography

GEOG-3402(3) Urbanization in the Developing World
 GEOG-3408(3) Water Resources
 GEOG-3411(3) Heritage Conservation and Tourism
 GEOG-3413(3) Urban Revitalization: Rebuilding of Decaying Cities
 GEOG-3432(3) Urban and Community Planning
 GEOG-3415(3) Contested Space: A Geography of Place
 GEOG-3430(3) Housing and the Neighbourhood
 GEOG-3432(3) Urban and Community Planning
 GEOG-4403(3) Urban Land Use: Developmental Processes
 GEOG-4404(3) Field Research in Urban Geography
 GEOG-4407(3) Advanced Tourism and Recreation Geography
 GEOG-4409(3) Architecture and City Planning
 GEOG-4441(3) Advanced Studies in Environmental Perception
 GEOG-4450(3) Environment and Sustainability I
 GEOG-4701(3) Directed Readings in Human Geography
 GEOG-4901(6) Honours Geography Thesis

REGIONAL GEOGRAPHY COURSES

Students are reminded that Geography 1102(3) and 1103(3), 1201(3), and 1202(3) provide appropriate background for all regional courses. Students lacking first year geography and wishing to take a regional course should consult the Instructor concerned.

GEOG-2503(3) Manitoba's Physical and Human Environments
 GEOG-3508(3) Geographical Issues in the Developing World
 GEOG-3509(3) Canada's Physical and Human Environments
 GEOG-3510(3) Prairie Landscapes
 GEOG-3511(3) Topical Regions in Geography
 GEOG-3512(3) The Human Geography of Northern Canada

COURSE DESCRIPTIONS

GEOG-1102(3) INTRODUCTORY HUMAN GEOGRAPHY I: PEOPLE, CULTURE AND ENVIRONMENT (Le3)

Attitudes to the world are determined to a great extent by culture. The ways in which people behave, socially and geographically, are determined by systems of belief and cultural understandings. The focus of this introductory course is the role of culture in determining geographical patterns and landscapes. It will consider language, religion, rural and urban settlement, global and gender inequities, the expression of power in the landscape and the changing global political landscape. Emphasis will be placed on current developments in the tension areas of the world.
RESTRICTIONS: Students may not receive credit for both GEOG-1102(3) and the former GEOG-1101(6).

GEOG-1103(3) INTRODUCTORY HUMAN GEOGRAPHY II: POPULATION, PLACE AND DEVELOPMENT (Le3)

The growth of the human population, how this population earns its livelihood, and the various forms of settlement are placing serious strains on our environment. The ability to cope with these issues will determine the quality of life the world's population will experience in the future. The focus of this introductory course in population change and migration, various forms of economic activity, urbanization, levels of development and the implications of changes in these theme areas will be emphasized for the environment. Current developments in these areas will be emphasized and case studies from many areas of the world will highlight important concepts and issues. The course will illustrate how geographical concepts and tools can be used to analyse and inform these issues.
RESTRICTIONS: Students may not receive credit for both GEOG-1103(3) and the former GEOG-1101(6).

GEOG-1201(3) INTRODUCTORY ATMOSPHERIC SCIENCE (Le3, La2)

This course is an introduction to the atmospheric sciences of climatology and meteorology. The introduction to climatology examines how and why average atmospheric conditions (i.e., climates) vary from place to place and over time (e.g., over months, years, centuries). The introduction to meteorology surveys the nature of the atmosphere and the causes and characteristics of short-term atmospheric conditions (i.e., weather). Methods of collecting and analyzing climate and weather data are reviewed, as are the ways in which atmospheric processes interact with other components of the ecosphere (i.e., the biosphere, lithosphere, hydrosphere, humans).
RESTRICTIONS: Students may not receive credit for both GEOG-1201(3) and the former GEOG-1200(6).
Note: This course can be used towards the Science Requirement.

GEOG-1202(3) INTRODUCTORY EARTH SCIENCE (Le3, La2)

This course introduces students to geomorphology, the study of landforms and landscapes on the surface of the Earth. Processes of geologic (mountain building, volcanism, etc.) and geomorphic change (weathering, erosion, and deposition by water, ice, and wind) will be surveyed.
RESTRICTIONS: Students may not receive credit for both GEOG-1202(3) and the former GEOG-1200(6).
Note: This course can be used towards the Science Requirement.

GEOG-2204(3) HUMAN IMPACT ON THE ENVIRONMENT (Le3)

This course studies the causes, effects, and controls of detrimental change to the natural environment resulting from human activity. Emphasis will be given to issues pertaining to the alteration of ecosystems and the various types of air, water, and soil pollution.

GEOG-2207(3) CLIMATOLOGY (Le3, La2) This course examines climatological processes, at all scales (e.g., micro to macro), to arrive at an understanding of how and why climates vary spatially and temporally. It surveys the characteristics of the global climate system, but pays particular attention to the Northern Hemisphere and North America. Laboratory exercises involve the analysis and presentation of climatological data.

PREREQUISITE: GEOG-1201(3).

GEOG-2210(3) METEOROLOGY (Le3, La2) This course surveys the causes and characteristics of weather. Fundamental thermodynamic and hydrodynamic principles of atmospheric physics will be reviewed. Common and severe/unusual weather phenomena will be explained, as will be the processes involved in the preparation of weather forecasts.

PREREQUISITES: GEOG-1201(3) or permission of instructor.

GEOG-2212(3) NATURAL HAZARDS (Le3) This course examines the causes and characteristics of natural hazards. Emphasis is placed on the assessment of risk, the choice of adjustments, and differences between situations in developed and developing countries. Discussions will cover hurricanes, tornadoes, floods, earthquakes, and blizzards, as time permits.

PREREQUISITES: GEOG-1201(3) or GEOG-1202(3) or permission of instructor.

GEOG-2213(3) INTRODUCTORY SOIL SCIENCE (Le3, La2) This course provides an introduction to pedology, the study of soils as physical entities in their own right. A review of the history of soil science is followed by a detailed introduction to soil forming factors and soil genesis. A brief review of the US Soil Taxonomy classification system then introduces a detailed review of the Canadian Soil Classification System, and the geographic distribution of soil types. This is followed by a review of the physical and chemical properties of soils, soil organisms and soil organic matter. The course concludes with an introduction to edaphology, the study of soils from the point of view of their plant cover. Laboratory sessions deal with the physical and chemical properties of soils using soil samples collected on one or more field trips, and with soil classification.

PREREQUISITES: GEOG-1201(3) and GEOG-1202(3) or permission of the instructor.

RESTRICTIONS: Students may not receive credit for both GEOG-2213(3) and the former GEOG-2203(6).

GEOG-2214(3) SOIL-VEGETATION SYSTEMS (Le3, La2)

A review of edaphology, the study of soils from the point of view of their plant cover, is followed by an examination of soils as nutrient delivery systems to both natural cover and agroecosystems. Emphasis is placed on macro- and micronutrient supply, the use of fertilizers and organic residues, the role of organic farming, and water supply, drainage and erosion. This is followed by a discussion of the basic ecological/physiological requirements of plants important in understanding vegetation formations and ecoclimatic regions. The course concludes with a major discussion of Canada's ecoclimatic regions and the relationships between their vegetation covers, soil types and climates. Laboratory work includes the determination of certain soil nutrient contents, and the role of soil organic matter, plant residues and plant cover in limiting erosion, and the ecoclimatic aspects of vegetation formation distribution.

PREREQUISITES: GEOG-2213(3).

RESTRICTIONS: Students may not receive credit for both GEOG-2214(3) and the former GEOG-2203(6).

GEOG-2215(3) MINERALOGY AND PETROLOGY (Le3, La2) Students are introduced to the chemical and physical

properties of the common minerals and rocks. Emphasis is placed on the origin, composition and classification of the common minerals and rock types. Weekly laboratories provide the student with the skills necessary for routine identification of minerals and rocks in hand samples. Students are also introduced to the fundamentals of optical mineralogy, which include the practice of study and identification of minerals using the polarizing microscope and rock thin sections. An optional field trip highlighting local geological features serves as an introduction to field recognition and classification of minerals and rocks and their associated provenance.

PREREQUISITES: GEOG-1202(3) or permission of instructor.

RESTRICTIONS: Students with standing in the former GEOG-2202(6) may not receive credit for GEOG-2215(3).

GEOG-2216(3) PHYSICAL GEOLOGY (Le3, La2) This course surveys the elements of stratigraphy, structural geology, earthquakes, historical geology, and volcanism within the unifying concept of plate tectonics. Labs demonstrate the methods of determining the characteristics of major geological structures as they typically appear on maps and air photos.

PREREQUISITE: GEOG-2215(3).

RESTRICTIONS: Students with standing in the former GEOG-2202(6) may not receive credit for GEOG-2216(3).

GEOG-2218(3) FLUVIAL AND HILLSLOPE PROCESSES (Le3, La2) This course examines geomorphic processes operating in rivers and on slopes. Among the topics

discussed are the factors which influence the stability and form of slopes, the characteristics of watersheds and stream networks, the factors which govern the forms, patterns adjustments and long profiles of river channels, the transport of sediment in fluvial systems, the depositional features produced by streams, and the long-term evolution of entire landscapes. Labs emphasize both analytic methods and the interpretation of maps and air photos.

PRE-REQUISITE: GEOG-1202(3).

RESTRICTIONS: Students with standing in the former GEOG-2201(6) may not receive credit for GEOG-2218(3).

GEOG-2219(3) GLACIAL AND PERIGLACIAL

PROCESSES (Le3, La2) This course examines the geomorphic processes operating in glacial and periglacial environments. Topics discussed include the basic concepts of physical glaciology, glacial erosion and sedimentation, Quaternary geology and Pleistocene chronology, the methods used to interpret and reconstruct glacial and interglacial successions, the causes of global glaciation, periglacial processes and landforms, and the geomorphic significance of sea ice. Analytical and data acquisition techniques are emphasized in the labs.

PREREQUISITES: GEOG-1202(3) or permission of instructor.

RESTRICTIONS: Students with standing in the former GEOG-2201(6) or the former GEOG-2211(3) may not receive credit for GEOG-2219(3).

GEOG-2304(3) COMPUTER MAPPING (Le3, La2) This course provides an introduction to the theory, practice, and methods of computer mapping. Students make use of existing cartographic and statistical data bases, as well as input information through digitizing and scanning, to construct thematic maps using various microcomputer software packages.

PREREQUISITES: GEOG-1102(3) or GEOG-1103(3) or GEOG-1201(3) or GEOG-1202(3) or permission of instructor.

GEOG-2306(3) INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (Le3, La2) This course provides a systematic overview of GIS methodology and theory covering the essential principles of data acquisition, input,

manipulation, and output. The laboratory component of this course provides hands-on experience using industry standard software.

PREREQUISITES: GEOG-2304(3) or permission of instructor.
RESTRICTIONS: Students with standing in the former GEOG-3302(6) may not receive credit for GEOG-2306(3).

GEOG-2309(3) STATISTICAL TECHNIQUES IN ENVIRONMENTAL ANALYSIS (Le3, La1)

Statistics describe and summarize data, and make predictions about a population from the information contained in samples. This course provides a working understanding of the elementary statistical techniques and computational procedures for students with little background in mathematics, and focuses on the applications of these tools to the analyses of geographical and environmental data. Topics include scales of measurement, univariate descriptive statistics, time series analysis, probability, sampling design, hypothesis testing, regression and correlation analysis, and models as quantitative techniques.

PREREQUISITES: GEOG-1102(3) or GEOG-1103(3) or the former GEOG-1101(6) or GEOG-1201(3) or GEOG-1202(3) or permission of instructor.

RESTRICTIONS: Students with standing in the former GEOG-2310(3) may not receive credit for GEOG-2309(3).

GEOG-2316(3) INTRODUCTION TO REMOTE SENSING (Le3, La2)

This course introduces the principles of remote sensing and image analysis with a focus on the physics, sensor technology, processing, interpretation and applications of remotely sensed imagery with a specific emphasis on optical sensors and technologies.

PREREQUISITES: GEOG-2304(3) or permission of instructor

RESTRICTIONS: Students may not receive credit for both GEOG-2316(3) and the former GEOG-3304(3).

GEOG-2401(3) AGRICULTURAL GEOGRAPHY (Le3)

A study of agriculture from the viewpoint of physical and cultural environments, systems of exploitation, regional analysis, and a survey of the world's major agricultural activities.

GEOG-2407(3) RECREATION GEOGRAPHY (Le3)

Expanded leisure time has led to increased demands on recreational space from the level of the city park and playground to the use and abuse of wilderness areas. This course discusses the concept of competing and multifacial recreational space use. Emphasis is put upon topical questions.

PREREQUISITES: GEOG-1102(3) or GEOG-1103(3) or permission of instructor.

GEOG-2408(3) ENVIRONMENTAL PERCEPTION AND HUMAN BEHAVIOUR (Le3)

This course will focus on varied themes and topics relating to perceptions of physical and social environments. Variations in the perception, images, and attitudes held by individuals and groups within different societies will be examined and related to varied behavioral responses within a spatial and environmental context. Topics of interest in this course are (1) perception of natural hazards (floods, droughts, frosts, hail, etc.); (2) perception of natural resources and the management of natural resources; (3) images of urban neighbourhoods, cities, metropolitan regions, provinces, countries, the world; (4) mental maps; (5) attitudes towards resource development and the implications for local, regional, and national planning.

PREREQUISITES: GEOG-1102(3) or permission of instructor.

GEOG-2411(3) GEOGRAPHY OF GLOBALIZATION (Le3)

This course engages the topic of globalization from a specifically geographical perspective. In today's world, a small minority of people lead relatively affluent lives. For the majority, however, life is a constant struggle for survival. At

the same time, the statement that we live in one world has probably never been truer. The struggle of the many is related very strongly to the comfort of the few. This course will examine the impact of globalization on different types of economies and the political, social, cultural, and environmental change that people experience in an interconnected "one world".

PREREQUISITES: GEOG-1103(3) or permission of instructor.

GEOG-2412(3) A GEOGRAPHICAL PERSPECTIVE ON TOURISM (Le3)

Tourism is the world's most rapidly growing industry. It is now essential to the Canadian economy, and is the mainstay of many other national economies. This course provides a broad overview of the world tourism industry that includes a geo-historical perspective on the origins, evolution, and growth of tourism, the structure of the tourism industry, tourism market segments, destinations and demands, and the impacts of tourism on both tourists themselves and their host communities. Concepts of capacity and sustainable tourism are addressed. Some attention is given to local, regional, and Canadian development strategies and special topics in tourism.

PREREQUISITES: GEOG-1102(3) or GEOG-1103(3) or permission of instructor.

GEOG-2414(3) THE URBAN ENVIRONMENT (Le3)

Cities are artificial environments. They absorb vast quantities of resources from surrounding areas and create great volumes of waste. They can also have a tremendous effect on their surrounding hinterland. Their "ecological footprint" is significant. This course examines the structure and activities of cities and the resulting effects on the environment. Approaches to developing more sustainable and environmentally sensitive cities are discussed.

PREREQUISITES: GEOG-1103(3) or GEOG-2415(3) or permission of instructor.

GEOG-2415(3) AN INTRODUCTION TO URBAN DEVELOPMENT (Le3)

This course will examine the origins and evolution of cities, urban design, morphologic and townscape elements, and the economy and structure of urban systems.

GEOG-2416(3) SEX, GENDER, SPACE & PLACE (Le3)

This course examines, from interdisciplinary perspectives, relationships among sex, gender, space and place in social-ecological systems. It specifically examines how sex, gender, race, ethnicity, class, sexuality, and other aspects of identity affect the transformation of space into place in social-ecological systems. Drawing on perspectives from environmental studies, geography and women's studies, selected relevant topics considered may include environmental justice, ecofeminism, the cultural politics and political geography of sex and sexual identities, the gendering and sexing of city landscapes, architecture and natural areas, notions of public and private space, and the space/place in the socio-cultural construction of femininities and masculinities.

PREREQUISITES: GEOG-1102(3) AND GEOG-1103(3), or ENV-1600(3), WGS-1232(6) or permission of instructor.

GEOG-2417(3) AN INTRODUCTION TO ECONOMIC GEOGRAPHY (Le3)

This course is designed to introduce the student to the basic principles of economic geography. The course is divided into two main topic areas. The first is an introduction to location theory, and the second introduces regional economic development. In essence, location theory attempts to determine why economic activities are located where they are or why they should be located in one place as opposed to another. It looks at all types of economic activity, including agriculture, manufacturing, and retail. The second topic, examining economic development and trade, seeks to explain why some regions prosper while others do

not. It also examines strategies that will enable a region to enhance its economic development potential and explains patterns of trade.

PREREQUISITES: GEOG-1103(3) or permission of instructor.

RESTRICTIONS: Students with standing in GEOG-2409(6) may not receive credit for GEOG-2417(3).

GEOG-2503(3) MANITOBA'S PHYSICAL AND HUMAN ENVIRONMENTS (Le3)

The main physical features of Manitoba are examined first. The second part of the course deals with rural settlement, beginning with the Red River Settlement and proceeding to the main homesteading period from 1870 to 1930. In the third part of the course, emphasis is given to economic development in Northern Manitoba, flood control works in the Red River Valley, and aspects of Winnipeg's growth, relative decline, and ethnic mix.

PREREQUISITES: A minimum of 3 credit hours of 1000-level Geography courses or permission of the instructor.

RESTRICTIONS: Students with standing in the former GEOG-2500(6) may not receive credit for GEOG-2503(3).

GEOG-3204(3) CLIMATE CHANGE AND VARIABILITY (Le3)

The causes and characteristics of regional and global climate change and variability will be examined, as will be the methods of reconstructing climate histories. Emphasis will be placed on the North American experience. Topics will include atmosphere teleconnections (e.g., El Niño and La Niña), global warming, and climate forecasting.

PREREQUISITES: GEOG-2207(3) or permission of the instructor.

GEOG-3210(3) HYDROLOGY (Le3) This course examines all major components (precipitation, evaporation, streamflow, groundwater) of the hydrologic cycle with the most attention being given to surface hydrology. The emphasis throughout the course will be placed upon the methods by which each component may be measured or estimated. Additional topics to be covered include the causes and consequences of floods, flood frequency analysis, estimation of peak streamflows, snow hydrology, sediment transport, water balance methods, and urban hydrology. Weekly assignments will provide experience in the practical aspects of data treatment, measurement techniques, and methods of prediction. This course will be offered in alternate years.

PREREQUISITES: GEOG-1201(3) and GEOG-1202(3), or permission of instructor.

RESTRICTIONS: Students may not receive credit for both GEOG-3210(3) and the former GEOG-4221(3).

GEOG-3215(3) BIOGEOGRAPHY (Le3, La2) This course first addresses the history of biogeography and the contemporary views on both species diversity and biodiversity. This is followed by an examination of the role of plate tectonics in helping account for contemporary floral and faunal realms, a review of MacArthur and Wilson's "equilibrium theory of island biogeography", and a consideration of how species colonize isolated locations such as islands. Anthropogenic alterations of natural ecosystems are then reviewed in terms of nutrient cycling disruptions, and the course concludes with an examination of both natural and human induced vegetation cover changes during the Holocene Epoch. Laboratory sessions deal primarily with aspects of island biogeography, nutrient cycle modifications, and techniques used in reconstructing past vegetation covers.

PREREQUISITES OR CONCURRENT: the former GEOG-2203(6), or GEOG-2213(3) and GEOG-2214(3), or permission of instructor.

GEOG-3216(3) ARCTIC ENVIRONMENTS (Le3) The Arctic comprises about one-third of Canada but most 'southern' Canadians have little more than a passing knowledge of its character. This course is designed to improve our

understanding of the physical environment, ecology, history, people, economy, and political development of a region which becomes less remote from the affairs of the nation each year.

PREREQUISITES: GEOG-1201(3) and GEOG-1202(3), or permission of instructor.

GEOG-3217(3) TROPICAL ENVIRONMENTS (Le3)

This course will deal primarily with the physical geography, soil vegetation systems, and induced environmental problems found in the wet and dry tropics and subtropics. Specific topics will include the influence of tectonics on landscape, variations in climate, soil fertility, soil-vegetation interrelationships, and the consequences of over-exploitation of both physical and biological resources.

PREREQUISITES: GEOG-1201(3) and GEOG-1202(3).

GEOG-3219(3) QUATERNARY ENVIRONMENTS (Le3)

The Quaternary is a period of dramatic climatic changes. This course examines the consequences of Quaternary climatic fluctuations on the physical environment. Consideration will be given to some of the important evidence and techniques used to reconstruct Quaternary environments and chronology.

PREREQUISITES: Any second year physical geography course, or permission of instructor.

GEOG-3306(3) ADVANCED GEOGRAPHIC INFORMATION SYSTEMS (Le3, La2)

This course deals with advanced theory and applications within GIS including 3D modeling, spatial analysis, and data creation, management and fusion with other data sources and types. Laboratory instruction provides the students with enhanced skills through exposure to the higher-level functions of industry standard GIS software.

PREREQUISITES: GEOG-2306(3) or GEOG-3302(3), or permission of instructor.

RESTRICTIONS: Students may not receive credit for both GEOG-3306(3) and GEOG-4308(3)

GEOG-3307(3) ADVANCED COMPUTER MAPPING (Le3, La2)

Topics introduced in GEOG-2304(3) (Computer Mapping) are expanded upon, and new topics are presented, through a series of seminars on selected areas of current cartographic research. Government agencies and businesses involved in map production are visited in order to examine methods and technology used in spatial data collection, handling and transfer. Lab work includes creating interactive hyper-linked maps and animated maps, showing spatial change over time. A significant component of this course is the completion of a substantial mapping project.

PREREQUISITES: GEOG-2304(3), or permission of instructor.

RESTRICTIONS: Students may not receive credit for both GEOG-3307(3) and GEOG-4307(3)

GEOG-3319(3) ADVANCED REMOTE SENSING (Le3, La2)

This course provides instruction on advanced image processing and classification techniques. These techniques are applied to the study of physical and human environments through a series of laboratory exercises and assignments. Students also gain exposure to RADAR and hyperspectral remote sensing including exposure to handheld imaging devices.

PREREQUISITES: GEOG-2316(3), or permission of instructor.

RESTRICTIONS: Students may not receive credit for both GEOG-3319(3) and GEOG-4314(3)

GEOG-3330(3) RESEARCH METHODS IN GEOGRAPHY (Le3)

This course introduces students to skills for conducting geographic research, and explores the uses, limitations, and methods associated with quantitative and qualitative analysis in human and physical geography. These skills are relevant for careers in academic and professional fields. Topics

include primary data collection and analyses, questionnaire design and structured interviews, data assembly and interpretation, research design and ethics, and the presentation of research results. This course includes a significant practical element.

PREREQUISITES: GEOG-1102(3), GEOG-1103(3), GEOG-1201(3), GEOG-1202(3), and GEOG-2309(3) or permission of instructor.

GEOG-3401(3) POPULATION GEOGRAPHY (Le3) This course examines the history of the growth of the world's population and the present-day crises inherent in both the numbers and distribution of the global totals. Special attention is paid to the problems of defining such terms as "over-population", and to the lack of correlation between population, resources, and technology.

PREREQUISITES: GEOG-1103(3) or permission of instructor.

GEOG-3402(3) URBANIZATION IN THE DEVELOPING WORLD (Le3) The process of urbanization is now a developing, as opposed to a developed, world phenomenon. This course will explore the factors promoting urbanization in the developing world and discuss models of third world cities. The emphasis will be on problems facing the cities and the solutions that have been attempted. Specific topics will include urban growth and management, urban services, squatter settlements, the housing market, survival tactics of the urban poor, urban government, and the function of the city in the developing world.

PREREQUISITES: GEOG-1103(3) or GEOG-2415(3) permission of instructor.

GEOG-3408(3) WATER RESOURCES (Le3) The following are just some of the topics developed: the Columbia River Treaty, the Churchill Diversion, is Canada's water for sale? In predicting future Canadian needs for water, the relative merits of direct and indirect methods of forecasting are assessed. Analytical techniques such as economic base, input-output, and cost-benefit are fully developed.

PREREQUISITES: GEOG-1102(3) or permission of instructor.

GEOG-3411(3) HERITAGE CONSERVATION AND TOURISM (Le3) Tourism is the world's largest growth industry, with cultural tourism being its most rapidly growing sector. Cultural tourism is highly dependent on the development, interpretation, and marketing of a region's heritage resources (i.e., its folk arts, historic sites, architecture and rural land urban landscapes). This course examines the nature of heritage resources and reviews the processes of their identification and the strategies for their development. Preservation, interpretation and management techniques and their relationship to the needs of the tourist industry will be discussed. The emphasis of the course will be on the problems of heritage resource development in North America, particularly in western Canada.

PREREQUISITES: GEOG-1102(3) and GEOG-1103(3) or the former GEOG-1101(6), or the former GEOG-2500(6) or the former GEOG-2403(3), or permission of instructor.

GEOG-3413(3) URBAN REVITALIZATION: REBUILDING OF DECAYING CITIES (Le3) Issues surrounding growth and development have been replaced by concerns about decline and revitalization in many North American and European cities. This course will focus on urban decline and revitalization efforts. Theories of decline and the demographic, economic, and physical changes that occur in declining city neighbourhoods will be discussed. The course will then explore revitalization efforts, drawing extensively on case study material from selected cities as well as field and project work within Winnipeg. Broad approaches to revitalization, revitalizing the commercial sector, attracting people back to the inner city, leadership and the role of partnerships, rejuvenating older, greying suburban

neighbourhoods, and planning for long term sustainability will be among the topics discussed.

PREREQUISITES: GEOG-2415(3) or permission of instructor.

GEOG-3415(3) CONTESTED SPACE: A GEOGRAPHY OF PLACE (Le3) The 'new cultural geography' stresses the relationship between space and culture, examining culture as it is constituted through space and as place. The course explores the struggles that make cultures and how they are worked out in particular spaces and places (i.e. landscapes). It also discusses spatial aspects of ideologies of race, the role of language and discourse in defining cultural spaces, the development and maintenance of subcultures, immigration as sources of tensions in the contemporary world, issues of gender, and the ways in which landscapes and places carry the physical and symbolic imprints of cultural wars.

PREREQUISITES: GEOG-1102(3) or GEOG-1103(3) or permission of the instructor.

GEOG-3430(3) HOUSING AND THE NEIGHBOURHOOD (Le3) This course examines the complexity of shelter environments within the urban landscape. The focus is on the North American housing market, the history of housing, and the way in which traditional and non-traditional markets are defined and understood. The unique characteristics of the modern city are examined as they are manifested in homelessness, marginal housing forms, shelter-induced poverty, suburban decline, and inner-city issues. Emphasis is also placed on current/historical policy and program responses to housing-related issues at the neighbourhood, municipal, provincial, and federal level.

PREREQUISITES: UIC-1001(3) or GEOG-1102(3)

GEOG-3432(3) URBAN AND COMMUNITY PLANNING (Le2,S1) Urban planning is a process that has importance for the quality of life of those who live in inner-city and downtown neighbourhoods. According to Friedmann, planning is an interdisciplinary field that "links knowledge to action". This course examines traditions, theories and values in planning practice and highlights the important role in planning of civil society and community. Broad approaches to planning in Canada, the USA, and Britain, and specific processes and policies in Winnipeg, provide students with background on planning systems. The emphasis in this course is on practical knowledge and skills for community organizers.

PREREQUISITES: UIC-1001(6) or the former UIC-1001(3) or UIC-2001(3) or GEOG-1103(3).

GEOG-3508(3) GEOGRAPHICAL ISSUES IN THE DEVELOPING WORLD (Le3) Focusing on Asian, African, and Latin American countries, this course concentrates on development theories and issues. The course content includes discussion of the historical, political, socio-economic, cultural, and demographic factors important to the development equation and illustrates how these factors vary from region to region. Special attention is paid to newsworthy and unfolding issues of the day in the developing areas of the world.

PREREQUISITES: GEOG-1102(3) or GEOG-1103(3) or permission of the instructor.

GEOG-3509(3) CANADA'S PHYSICAL AND HUMAN ENVIRONMENTS (Le3) Canada's main regions are examined, with an emphasis on how the physical and human environments of each region have interacted to give it a unique character.

PREREQUISITES: A minimum of 3 credit hours of 1000-level Geography courses or permission of the instructor.

RESTRICTIONS: Students with standing in the former GEOG-3501(6) may not receive credit for GEOG-3509(3).

GEOG-3510(3) PRAIRIE LANDSCAPES (Le3) The Canadian Prairies are recognized as a main geographical region of Canada. This course focuses on the making of the human landscape of the region, although geological structure, climate, natural vegetation, and other physical features are included. The roles of Aboriginal Peoples and European and other immigrants in creating human landscapes are examined.

GEOG-3511(3) TOPICAL REGIONS IN GEOGRAPHY (Le3) This course is a systematic study of a topical world region from a geographic perspective. For the particular region selected for study, emphasis is placed on historical, political, socio-economic, cultural, demographic, and urban-rural development aspects as appropriate. The region of study will vary from year to year, with particular attention paid to regions currently or recently dominating world events. **PREREQUISITES:** GEOG-1102(3) or GEOG-1103(3) or permission of the instructor.

GEOG-3512(3) THE HUMAN GEOGRAPHY OF NORTHERN CANADA (Le3) This course investigates contemporary issues in Canada's arctic and subarctic regions, focusing on the three territories: Yukon, Northwest Territories, and Nunavut. This region continues to be subjected to a variety of changes in the political, social and economic landscapes. The purpose of this course is to provide students insight into how these changes impact the human geography of northern Canada. Special attention is paid to ongoing and newsworthy issues. **PREREQUISITES:** GEOG-1102(3) or permission of instructor.

GEOG-4203(3) TOPICS IN CLIMATOLOGY (S3) This seminar course requires students to complete climate-related research projects, either individually or as a group. Research topics will vary to suit the interests of both the Instructor and the students. **PREREQUISITES:** the former GEOG-2205(6) or the former GEOG-2206(3), or GEOG-2207(3), or permission of instructor.

GEOG-4212(3) TOPICS IN EARTH SCIENCES (S3) The course examines current and historically significant concepts in fluvial and glacial geomorphology, geology, and related earth sciences, particularly those which produced lasting shifts in the way earth science phenomena are interpreted. Among the broad subject areas which are discussed are concepts in landscape evolution, the characteristics, patterns and metamorphosis of river channels, glacial spillways on the Prairies, catastrophic drainage of ice sheets, patterns of glacial erosion, geomorphic thresholds, plate tectonics theory, and asteroid

impact and the Geologic Time Scale.

PRE-REQUISITES: 6 credit hours from GEOG-2215(3), GEOG-2216(3), GEOG-2218(3), GEOG-2219(3), or the former GEOG-2201(6) or the former GEOG-2202(6).

GEOG-4231(3) TOPICS IN BIOGEOGRAPHY (S3) This course provides a synthesis of the geographical aspects in the development and concepts within biogeography and shows how descriptions or analysis of the delicate balances within the biosphere can be approached through the use of ecological principles. Particular attention will be given to inadvertent modification of the biosphere. **PREREQUISITES:** GEOG-3215(3), or GEOG-2213(3) and GEOG-2214(3) and permission of the instructor, or the former GEOG-2203(6) and permission of the instructor.

GEOG-4232(3) CONSERVATION (S3) Humans have affected, and are still affecting adversely the natural-biological resources such as water, soils, biota, and natural

ecosystems. This seminar will examine such topics as sustainable development, biological diversity, soil erosion, agroforestry, forestry, and ecosystem destruction, in order to better understand both the problems and potential solutions. Public-governmental attitudes towards conservation of our biological resources also will be examined. (This course alternates with GEOG-4231(3).)

PREREQUISITES: GEOG-3215(3), or GEOG-2213(3) and GEOG-2214(3) and permission of the instructor, or the former GEOG-2203(6) and permission of the instructor.

GEOG-4320(3) PROJECTS IN GEOMATICS (S3) Students work in small groups to develop geomatics applications addressing selected planning, environmental management or research problems. Emphasis is on conceptual design of the selected application and implementation of a prototype solution using GIS and remote sensing approaches to problem solving. Students undertake team projects solicited from a number of external organizations through a team approach. Practical aspects of GIS project management such as team building, production of work plans and schedules, and the writing and presenting of final reports are introduced through this approach. Final results are presented in both oral and written format.

PREREQUISITES: GEOG-3307(3) or GEOG-4307(3), and GEOG-3319(3) or GEOG-4308(3), or permission of the instructor.

GEOG-4321(3) TOPICS IN GEOMATICS I (S3) This course provides a synthesis of the current developments within the field and study of geomatics as it relates to hyperspectral remote sensing. Particular attention is given to applications that have a focus on physical and urban systems. Additional topics are integrated where appropriate. Students are required to select an area of interest and lead class discussions based on their selections.

PREREQUISITES: GEOG-3307(3) or GEOG-4307(3), and GEOG-3319 or GEOG-4308, or permission of instructor

GEOG-4322(3) TOPICS IN GEOMATICS II (S3) This course provides a synthesis of the current developments within the field and study of geomatics with a focus on synthetic aperture radar for physical and urban systems. Additional topics within this course include LIDAR mapping, GPS surveying and advanced spatial analysis. Students are required to select an area of interest and lead class discussions based on their selections.

PREREQUISITES: GEOG-3307(3) or GEOG-4307(3), and GEOG-3319(3) or GEOG-4308(3), or permission of instructor

GEOG-4403(3) URBAN LAND USE DEVELOPMENTAL PROCESSES (S3) An investigation of the processes by which urban development occurs and a critical appraisal of resultant urban forms. Some consideration will be given to the evaluation of relevant theory and to the nature and effect of planning controls on urban form. This course alternates with GEOG-4404(3).

PREREQUISITES: GEOG-2414(3) or GEOG-2415(3) or the former GEOG-2404(6).

GEOG-4404(3) FIELD RESEARCH IN URBAN GEOGRAPHY (S3) This course investigates, examines and appraises the major varieties of primary and secondary materials available for the study of urban areas. Particular emphasis will be placed on the acquisition and evaluation of local material, and the course will therefore call for students to be engaged in field research. (This course alternates with GEOG-4403(3).)

PREREQUISITES: GEOG-2414(3) or GEOG-2415(3) or the former GEOG-2404(6).

GEOG-4407(3) ADVANCED TOURISM AND RECREATION GEOGRAPHY (S3) This seminar course is based on a selection of advanced readings on topics and problems dealing with recreational and tourism behaviour, the supply and demand for different types of recreational space and tourism facilities, and issues of sustainability. A research project may be required of each student.

PREREQUISITES: GEOG-2407(3) or GEOG-3411(3) or GEOG-2412(3).

GEOG-4409(3) ARCHITECTURE AND CITY PLANNING (Le3) This course explores the relationship between architecture and city form, function, and planning in the social and historical context of the 20th century. Planning theory and practice is more specialized and separated from architectural theory. Yet, architecture is an important visual and functional impact on the urban form of the city and its planning. The major architectural schools (e.g., Art Nouveau, Bauhaus, International Style) and the cultural avant-garde trends (e.g., Futurism, Surrealism, Situationism) and their relationship to and impact on city planning are surveyed.

PREREQUISITES: One of GEOG-2414(3), GEOG-2415(3), the former GEOG-2406(6), or permission of the instructor.

GEOG-4441(3) ADVANCED STUDIES IN ENVIRONMENTAL PERCEPTION (S3) This course will consist of seminars examining selected topics relating to perceptions of physical and cultural environments. It will review and evaluate methods employed by geographers in the field of environmental perception. Whenever possible, students will be encouraged to apply these methods to local problems in natural hazards, mental mapping, and landscape aesthetics. This course will be of interest to students with an orientation to either physical or cultural geography.

PREREQUISITE: GEOG-2408(3).

GEOG-4450(3) GEOGRAPHIC PERSPECTIVES ON ENVIRONMENT AND SUSTAINABILITY (S3) This course considers geographic and environmental approaches to sustainable staples-based development, particularly as they apply to water, energy, and mining. Discussion begins by outlining change, complexity, uncertainty and conflicts associated with primary and derived resources, including those contributing to climate change. Important technological innovations and policy developments designed to address these challenges are contemplated. Topics include corporate social responsibility policies, public-private initiatives, community-based resource management, adaptive management, and social learning through public participation.

PREREQUISITES: Two of GEOG-2204(3), GEOG-2212(3), GEOG-3408(3), GEOG-3508(3), ENV-2603(3), or permission of the instructor.

GEOG-4701(3) DIRECTED READINGS IN HUMAN GEOGRAPHY (P) This course exposes students to contemporary and topical issues of human geography through authoritative readings compiled by the instructor. The student is required to produce a short dissertation.

PREREQUISITE: Permission of the Department Chair.

GEOG-4702(3) DIRECTED READINGS IN PHYSICAL GEOGRAPHY (P) This course exposes students to contemporary and topical issues of physical geography through authoritative readings compiled by the instructor. The student is required to produce a short dissertation.

PREREQUISITE: Permission of the Department Chair.

GEOG-4703(3) DIRECTED READINGS IN GEOMATICS (P) This course exposes students to contemporary and topical issues of geomatics through authoritative readings compiled by the instructor. Students are required to produce a short

essay on a topic agreed upon by the instructor and the student.

PREREQUISITE: Permission of instructor.

GEOG-4801(3) GEOGRAPHY FIELD SEMINAR (P) This course deals with the practical methodologies and problems associated with field research. Students are introduced to the necessary skills required for the acquisition, analyses, and presentation of primary field data. In addition to oral and written presentations of their research, students are required to participate in an intensive 10 day field camp at an off-campus venue prior to the start of Fall Term lectures. Students should consult with the Chair of the Geography Department regarding the availability of this course and the location of field camp.

PREREQUISITES: GEOG-3330(3) and permission of instructor.

GEOG-4901(6) HONOURS GEOGRAPHY THESIS (P) The Honours thesis provides the student with the opportunity to design and complete an original research project on a subject of interest and relevant to the discipline. In addition to completing the project, students in this course are expected to meet with a faculty supervisor on a regular schedule throughout the academic year. Presentation of the research results verbally and in thesis form to the Geography Department is an integral part of the course.

PREREQUISITES: GEOG-3330(3) (Research Methods in Geography), 36 credit hours completed in Geography, Geography GPA of 3.0, and permission of Department Chair.

GERMAN-CANADIAN STUDIES (GCS)

Updated Jan 4, 2013

Note: The department/program codes HIST and GERM replace the former codes 29 and 26 respectively. Students cannot hold credit in HIST-xxxx and the former 29.xxxx or GERM-xxxx and the former 26.xxxx having the same course number (e.g., HIST-1010(6) and 29.1010(6)).

Chair: Associate Professor A. Freund

The establishment of the Chair in German-Canadian Studies was made possible through the generous gifts of the Ernst Hansch, Martin Bergen, Rubin and Christel Spletzer families and Ernie Keller, and the Federal Department of the Secretary of State.

INTRODUCTION

The Chair in German-Canadian Studies was established to give students an opportunity to study the history and culture of German-speaking immigrants and their descendants in Canada and around the world. As an interdisciplinary program, German-Canadian Studies encompass approaches from all the disciplines in the humanities and social sciences, but has been influenced particularly by History and Literature. In the courses and seminars students seek to understand the worldwide migrations from German-speaking Europe and the multiple migrations of German-speakers from all over the world to Canada. One major focus is the study of German immigrants' various forms of acculturation and identity-formation in Canada.

Course offerings are listed within the Department of History. Credit can be obtained towards the Major programs of both the History and German Studies Departments.

Students will find courses in German-Canadian Studies a useful and informative addition to a liberal arts education. While the Program itself is not aimed at any particular vocational preparation, the background it provides will be especially relevant to students interested in the complexities of migration, immigration, and multiculturalism as well as to students of a German ethnic background. The courses also prepare students who intend to write MA theses and PhD dissertations in German-Canadian Studies. Students may choose some area of German-Canadian Studies to pursue further scholarly work in such disciplines as German Studies, History, and Sociology.

COURSE LISTINGS

Students are advised to consult the appropriate Timetable or WebAdvisor for courses offered during the current term.

HIST-1010(6)	Canadian Immigration and Settlement
HIST-2133(3)	Global Migration History
HIST-2331(3)	History of Modern Germany
HIST-3130(3)	History of International Migration: The German Experience
HIST-3560(6)	The German-Canadian Presence in Canadian History
HIST-3561(3)	German-Canadian Identity—Historical Perspectives
HIST-4560(6)	Topics in the German-Canadian Presence in Canadian History

Experimental Courses

HIST-2125(3)	Eyewitnesses to World History
HIST-2525(3)	Eyewitnesses to Canadian History

COURSE DESCRIPTIONS

HIST-1010(6) CANADIAN IMMIGRATION AND SETTLEMENT (Le3) This section traces the development of modern Canada through immigration. We will examine the provincial and federal policies that determine the immigration and settlement process and explore the social, economic, cultural, and international factors that shaped the experiences of immigrants.

HIST-2133(3) GLOBAL MIGRATION HISTORY (Le3) This lecture course surveys the diversity of worldwide migrations in the modern period. Topics include exploration and conquest; merchants, mercenaries, and missionaries; slavery and unfree migration; imperialism, settlement and labour migrations, and refugees. Concepts discussed include international migration systems; transnational life, culture, and society; diaspora; voluntary and forced migration.

HIST-2331(3) HISTORY OF MODERN GERMANY (Le3) This survey of political, economic, social, and cultural developments in Germany from the Holy Roman Empire to the Berlin Republic focuses on developments after the Congress of Vienna (1815), including the 1848 Revolution, Bismarck and German unification 1871, Wilhelmine Germany and imperialism, World War One, the Weimar

Republic, Hitler and National Socialism, World War Two and the Holocaust, the two Germanies in the Cold War, and reunification in 189/90. Major historiographical controversies and methods of interpreting and analyzing German history are examined through lectures, explication of primary sources and critical reading of secondary sources, group and class discussions, and films.

HIST-3130(3) HISTORY OF INTERNATIONAL MIGRATION: THE GERMAN EXPERIENCE (Le,S3) This course offers a survey of historical and current migration patterns, using the example of German-speaking migrants from the 18th to the 20th century. Students will explore migration processes, different types of migration, and the resulting cross-cultural encounters as well as the interaction of states and minorities. The lecture/seminar course will study Germany as a country of emigration and immigration, and discuss the existence of a German diaspora. A knowledge of German is not required.

HIST-3560(6) THE GERMAN-CANADIAN PRESENCE IN CANADIAN HISTORY (Le,S3) This lecture/seminar course will focus upon the European origins of German-speaking immigrants to Canada, their settlement patterns, and their social, political, and economic roles. In addition, the course

will examine both the effects of international events upon the German-speaking population and their place in the Canadian cultural mosaic. Please see the Department for a specific course description. A knowledge of German is not required.

HIST-3561(3) GERMAN-CANADIAN IDENTITY - HISTORICAL PERSPECTIVES (Le, S3)

This lecture/seminar course will explore questions of ethnic identity, using the example of German Canadians. While students will develop their individual research projects related to the broader issue of ethnicity, class discussion will focus on the historical presence of German speakers in Canada, their settlement patterns, their relationship to political culture and the Canadian state, and perceptions and self-images of German Canadians. A knowledge of German is not required.

RESTRICTIONS: Students with standing in the former HIST-3560(6) may not receive credit for HIST-3561(3).

HIST-4560(6) TOPICS IN THE GERMAN-CANADIAN PRESENCE IN CANADIAN HISTORY (S3)

In this course, students will undertake research on a variety of specialized subjects relating to the political, social, and economic experiences of German speaking immigrants to Canada. In addition, students may also examine cultural and literary topics. While students will find at least a rudimentary knowledge of German useful, it is not a requirement for the course. Please see the Department for a specific course description.

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

HIST-2125(3) EYEWITNESSES TO WORLD HISTORY

(Le3) This lecture course explores modern World history through eyewitness accounts in the form of oral history testimonies. Oral histories are interviews with people about their lives. Using such first-person accounts, the course surveys women's and men's experiences of war, genocide, and state violence; work and globalization; discrimination and resistance; and forced and voluntary migration. Students work with oral history interviews in the form of transcripts and audio-visual media, and learn to critically examine them as forms of evidence, expressions of memory, constructions of identity, and negotiations of power relations.

HIST-2525(3) EYEWITNESSES TO CANADIAN HISTORY

(Le3) This lecture course explores modern Canadian history through eyewitness testimonies and other first-person accounts (so-called ego-documents) such as letters, diaries, and, in particular, oral histories. The course surveys Canadian experiences such as Aboriginal/non-Aboriginal relations, immigration and settlement experiences, the Great Depression and rural life, times of peace and war, women's and workers' perspectives, and refugees' and minorities' experiences of discrimination and resistance. Emphasis is placed on working with primary sources such as interviews, testimonies, eyewitness accounts, and memoirs.

GERMAN STUDIES (GERM)

Updated March 13, 2013

Note: The department/program code GERM replaces the former code 26. Students cannot hold credit in GERM-xxxx and the former 26.xxxx having the same course number (e.g., GERM-1201(6) and 26.1201(6)).

Chair of Modern Languages & Literatures: Linda Dietrick; Associate Professor and Coordinator for German Studies: L. Dietrick.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Minor

INTRODUCTION

The modern German language was born in the 16th century when two groups of dialects known as Frankish and Alemannic merged into a single language. As a result of the wide circulation of Martin Luther's German translation of the Bible (1534), the new language quickly grew in influence and prestige.

First taught as a language of culture, German was the mother tongue of many brilliant writers such as Goethe, Schiller, Kafka, Thomas Mann, Bertolt Brecht and Günter Grass and many well-known composers such as Bach, Mozart, Beethoven, Schumann, Wagner and Mahler. From the 18th century onwards, German has been at the forefront of intellectual inquiry, German-speaking intellectuals having shaped the Humanities with philosophers such as Kant, Hegel, Nietzsche and Heidegger, political thinkers such as Marx, Engels, Nietzsche and Hannah Arendt, psychoanalysts such as Freud and Jung and philologists (linguists) such as Humboldt, Schlegel, Schleicher and Grimm.

German is key to understanding the complexities of 20th century European history, culture and identity, given Germany's role in World Wars I and II, the Holocaust, the Cold War, the collapse of communism in Eastern Europe and the evolution of the European Union (EU) following the reunification of East and West Germany. Now spoken by over 100 million people in Germany, Austria and Switzerland, German has more native speakers than any other European language and is second only to English as the language of business within the European Union.

Here in Canada, German occupies an important place in Manitoba's linguistic and cultural mosaic due to multiple migrations of German-speakers from around the world. Not surprisingly, the University of Winnipeg boasts a **Chair in German-Canadian Studies** and a **Chair in Mennonite Studies**, established to promote the study of the history and culture of German-speaking immigrants.

Acquiring a second language will enrich your life and open up many career opportunities. Whether your goals include visiting the castles and beer gardens of Europe, enjoying a performance of Mozart's *Magic Flute* in the original, watching a film by Wim Wenders, rediscovering your heritage, reading the works of Wittgenstein, delving into the legacy of the Cold War, analysing Freud or embarking on an international career in business, commerce or finance, learning German is a definite asset. But if you plan to continue on to graduate studies in the Humanities, learning German is a must! Given the prominence of the German tradition of research in the Humanities, German is one of the **required** languages for many PhD programs.

In the department of **Modern Languages and Literatures**, we offer the 3 or 4-year BA (Major or Combined Major) in German Studies with challenging courses where you will discuss topics of current interest, reflect on problems of the modern world, explore the culture of Germany, Austria and Switzerland and read short literary texts dealing with the social and political issues of our time. As you develop your command of oral and written German, you will also develop the cultural understanding that is needed in the global community.

Each year, UW students have the opportunity to take part in our exchange program with the University of Bamberg in Germany. If you are interested, contact the German Studies coordinator for further information.

REQUIREMENTS FOR A 3-YEAR BA IN GERMAN STUDIES

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours

Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours

Science: 6 credit hours

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/ Maximum 48 credit hours.

Double Major: Minimum 30 credit hours in German Studies and specified number of credit hours in the other Major subject or program.

Required courses:

GERM-2109(3) Normative Grammar

Minimum of 6 credit hours in German Studies at the 3000 level

Combined Major: Minimum 48 credit hours from two (2) different Major subjects with not less than 18 credit hours from each Major subject.
Required Courses:
GERM-2109(3) Normative Grammar

REQUIREMENTS FOR A 4-YEAR BA IN GERMAN STUDIES

ADMISSION REQUIREMENT Students must consult with the Department Advisor in planning their studies. Students must have completed at least 30 credit hours in German Studies.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT
Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
Required courses:
GERM-2109(3) Normative Grammar
Minimum of 12 credit hours in German Studies at the 3000 level

Combined Major: Minimum 60 credit hours from two (2) different Major subjects with not less than 24 credit hours from each Major subject.
Required Courses:
GERM-2109(3) Normative Grammar
Minimum of 3 credit hours in German Studies at the 3000 level

REQUIREMENTS FOR A MINOR IN GERMAN STUDIES

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement: Minimum 12 credit hours in the Minor subject
Required courses: GERM-2109 or GERM-2209
Restrictions: Students cannot declare the same subject as a Major and a Minor.

COURSE LISTINGS

Students are advised to consult the appropriate Timetable available from the Records Office for courses available during the current term.

Note: All German Studies courses may be used to fulfill the Humanities Requirement.

Note: All students registering for their first German Studies course must consult a department advisor.

Note: GERM-2101(3), GERM-2102(3), GERM-2303(3), and GERM-2906(3) are given in English. GERM-1001(6) and GERM-2001(6) are given in German as much as possible. All other courses are given in German.

Language and Linguistics Courses

GERM-1001(6) Introductory German
GERM-2001(6) Intermediate German
GERM-2109(3) Normative Grammar
GERM-2110(3) Intermediate Written Expression
GERM-2114(3) English-German Translation
GERM-2115(3) German-English Translation
GERM-2202(3) German Phonetics
GERM-3401(3) Business German
GERM-3403(3) German Lexicology
GERM-3404(3) History of the German Language

Culture and Literature Courses

GERM-3101(3) Studies in German Culture I

GERM-3102(3)	Studies in German Culture II
GERM-2209(3)	Introduction to German Literature
GERM-2386(3)	Contemporary German Cinema
GERM-3113(3)	Exploring Language and Society through Texts
GERM-3906(3)	Studies in German Literature

Courses in German Cultural History in English (Cross-listed with History)

GERM-2101(3)	Studies in German Culture I
GERM-2102(3)	Studies in German Culture II
GERM-2303(3)	The Child in Europe

Experimental Course

GERM/MENN-2107 Introduction to Mennonite Low German

COURSE DESCRIPTIONS

GERM-1001(6) INTRODUCTORY GERMAN (Le3, La1) This course is designed for students who have no previous knowledge of German and who wish to acquire a command of the written and spoken language. Its main aim is to provide a solid base in vocabulary, grammar, and pronunciation. Conversation and computer laboratories will supplement the course in order to give the student additional practice in the practical applications of the language.

RESTRICTIONS: Students who have AP German Language, the International Baccalaureate in German, or the *Deutsches Sprachdiplom 2* or who have received a year or more of their secondary school education in a German-speaking environment may not receive credit for this course.

GERM-2001(6) INTERMEDIATE GERMAN (Le3, La1) The aim of this course is to enable students to increase their proficiency in the following skills: writing, reading, aural comprehension, and oral expression. Class time is devoted to the systematic review of grammar essentials, discussion of short literary texts and non-fiction on topics of current interest, written compositions and practice in the spoken language. Additional practice is undertaken during a one-hour session of small-group work each week.

PREREQUISITES: German 40S or GERM-1001

RESTRICTIONS: Students who have AP German Language, the International Baccalaureate in German, or the *Deutsches Sprachdiplom 2* or who have received a year or more of their secondary school education in a German-speaking environment may not receive credit for this course.

GERM-2101(3) STUDIES IN GERMAN CULTURE I

GERM-3101(3) STUDIES IN GERMAN CULTURE I (Le3)

This course offers a broad survey of cultural developments in German-speaking Europe from the Middle Ages to the Romantic period at the beginning of the 19th century. Slides, films, and audio recordings help to present developments in art, architecture, music, and the social/political background, while writings by authors such as Luther, Grimmelshausen, Kant, Lessing, and Goethe allow for discussion of themes and issues in the context of their times.

PREREQUISITES: For GERM-2101, none. For GERM-3101, GERM-2209 and any 3 credit hours in 2000-level German Studies courses

RESTRICTIONS: Students may not receive credit for both GERM-2101 and GERM-3101.

CROSS-LISTED: History HIST-2323.

GERM-2102(3) STUDIES IN GERMAN CULTURE II

GERM-3102(3) STUDIES IN GERMAN CULTURE II (Le3)

This course offers a broad survey of cultural developments in German-speaking Europe from the beginning of the 19th

century to the present. Slides, films, and audio recordings help to present developments in art, architecture, music, and the social/political background, while writings by authors such as E. T. A. Hoffmann, Marx, Freud, Kafka, Brecht and Christa Wolf allow for discussion of themes and issues in the context of their times.

PREREQUISITES: For GERM-2102, none. For GERM-3102, GERM-2209 and any 3 credit hours in 2000-level German Studies courses

RESTRICTIONS: Students may not receive credit for both GERM-2102 and GERM-3102.

CROSS-LISTED: History HIST-2324.

GERM-2109(3) NORMATIVE GRAMMAR (Le3) This course offers an intensive study of selected grammatical topics and a thorough study of syntax. Grammatical topics include the use of gender, number, and case markers; verb tenses and moods; and prepositions. The study of syntax focuses on subordinate clauses.

PREREQUISITES: GERM-2001 or the former GERM-2201, AP German Language, the International Baccalaureate in German, or the *Deutsches Sprachdiplom 2*.

GERM-2110(3) INTERMEDIATE WRITTEN EXPRESSION

(Le3) This course is designed primarily to improve students' written expression in German; oral expression also receives attention. Students are introduced to the major aspects of the writing process, specific writing techniques (description, narration and argumentation), and grammatical style and editing. Model texts are presented and assignments focus on selected prose genres (e.g. composition, correspondence, summary). Individual work and small group activities consist of writing sentences, paragraphs, and compositions.

PREREQUISITES: GERM-2109(3).

GERM-2114(3) ENGLISH-GERMAN TRANSLATION (Le3)

This course in translation from English to German serves a dual purpose: to give students an opportunity to expand their German vocabulary and grammatical skills and to introduce them to specific written styles in the target language (German). A number of recurring semantic, grammatical, and syntactic features of German are studied through shorter translation exercises and through the translation of longer documents, e.g. newspaper articles, business letters, advertisements.

PREREQUISITES: GERM-2109(3).

GERM-2115(3) GERMAN-ENGLISH TRANSLATION (Le3)

Taught in German, this course introduces the principles of written translation from German into English. Practical exercises focus on translation difficulties relating to English

vocabulary, grammar, and style. Students translate short authentic German-language texts from a variety of sources including newspapers, magazines, and literature.

PREREQUISITES: GERM-2109(3).

GERM-2202(3) GERMAN PHONETICS (Le3) This course presents the theory and practice of German phonetics and phonology, its practical applications (e.g. the use of pronunciation dictionaries), and its material realizations in standard German. The theory covered includes the physiology of speech, the International Phonetic Alphabet as it relates to German, and phonetic transcription. Emphasis is placed on orthoepy (the relationship between pronunciation and orthography) and on correcting the student's oral performance in German.

PREREQUISITES: GERM-2109(3).

GERM-2209(3) INTRODUCTION TO GERMAN

LITERATURE (Le3) This survey of representative poems, short stories, and dramatic texts introduces students to significant authors of German literature since the 18th century such as Schiller, Goethe, Rilke, Kafka, Frisch, and Bachmann. It also introduces them to the study of literature: how to read, discuss, and interpret literary texts.

PREREQUISITES: GERM-2001(6) or the former GERM-2201(6), or GERM-2109, or AP German Language, the International Baccalaureate in German, or the *Deutsches Sprachdiplom 2*.

RESTRICTIONS: Students may not receive credit for both GERM-2209 and the former GERM-2207.

GERM-2303(3) THE CHILD IN EUROPE (Le3) Lectures and discussions examine from several disciplinary perspectives conceptions of the child and of childhood in Europe from ancient times to the present. With contributions from such fields as Art History, Classics, English, French, German, History, and Women's Studies, the course explores Europeans' definitions of children and childhood and their understandings of children in relation to the family, society, class, gender, religion, and work. We examine typical images of childhood in European literature and art, the connections between these images and actual practices, and the continuing impact of these ideas and practices.

CROSS-LISTED: History HIST-2303(3).

GERM-2386(3) GERMAN CULTURE THROUGH FILM

(Le3) This course uses German feature films to help students develop their language skills and learn about the culture and history of German-speaking Europe since the 1920s. With the support of subtitles or captioning, guided exercises, and interpretive discussions, students develop their listening, speaking, reading, and writing skills while becoming more familiar with German experience in the twentieth and twenty-first centuries. Some attention is given to German film terminology and the analysis of scenes. The course includes notable films by such directors as Joseph von Sternberg, Rainer Werner Fassbinder, Volker Schlöndorff, and Fatih Akin.

PREREQUISITES: GERM-2001(6) or the former GERM-2201(6), or GERM-2109, or AP German Language, the International Baccalaureate in German, or the *Deutsches Sprachdiplom 2*.

GERM-2906(3) STUDIES IN GERMAN LITERATURE

GERM-3906(3) STUDIES IN GERMAN LITERATURE (Le3)

This course focuses on selected German literary texts from about 1770 to the present. The course may include Goethe, Schiller, and the German Romantics; Realists such as Ebner-Eschenbach and Fontane; classic Modernists such as Kafka, Mann and Brecht; or postwar and contemporary writers such as Bachmann, Grass, Wolf, Schlink, and Özdamar.

PREREQUISITES: GERM-2209(3) and any 3 credit hours in

2000-level German Studies courses except GERM-2001(6)

RESTRICTIONS: Students may not receive credit for both GERM-2906 and GERM-3906.

GERM-3113(3) EXPLORING LANGUAGE AND SOCIETY THROUGH TEXTS (Le3)

This course examines current events, social issues, and artistic and intellectual trends in the contemporary German-speaking world through the analysis and discussion of media sources including the Internet, television, and the press. The course offers extensive reading practice and is designed for students who wish to develop a high level of oral and written proficiency in German. Emphasis is placed on the acquisition of specialized vocabulary. Course work includes written compositions, oral presentations, debates, and round-table discussions.

PREREQUISITES: GERM-2109(3) and any 3 credit hours in 2000-level German Studies courses except GERM-2001(6)

GERM-3401(3) BUSINESS GERMAN (Le3)

This course teaches students to communicate effectively in business situations. Course materials include situational texts reflecting business activities and covering a range of topics such as trade, telecommunications, computer technology, financial institutions, marketing, and advertising. The course is designed to expand language skills already acquired as well as to present the specialized vocabulary used in the business environment. It includes extensive exercises in vocabulary, comprehension, business writing, and correspondence.

PREREQUISITES: GERM-2109(3) and any 3 credit hours in 2000-level German Studies courses except GERM-2001(6)

GERM-3403(3) GERMAN LEXICOLOGY (Le3)

This course focuses on the German lexicon, its forms and formation. Students learn to distinguish different structural types of words (e.g. acronyms, derivatives), to identify their basic components (e.g. prefixes, suffixes) and to recognize the mechanisms involved in their formation. Through the study of synonyms and antonyms, students explore the semantic relationships between words. The hierarchical structure of the lexicon is examined. Course work emphasizes practical strategies for vocabulary enrichment and mastery.

PREREQUISITES: GERM-2109(3) and any 3 credit hours in 2000-level German Studies courses except GERM-2001(6)

GERM-3404(3) HISTORY OF THE GERMAN LANGUAGE

(Le3) This course traces the development of the German language from early Germanic to the present. It examines both the internal evolution of the German language (its phonetics, phonology, morphology, syntax, semantics and pragmatics) and the sociocultural and historical factors that influenced its development. Various linguistic documents illustrating the distinct features of German in different eras are studied.

PREREQUISITES: GERM-2109(3) and any 3 credit hours in 2000-level German Studies courses except GERM-2001(6)

GERM-3858(6) THE ACQUISITION OF GERMAN AS AN ADDITIONAL LANGUAGE (Le3)

A language may be learned at home, in the classroom or on the street. But how do babies make sense of the sounds around them so they can effectively communicate? Why is it difficult for older learners to acquire another language? Are there secrets for language learning? In this course students explore the learning and teaching of German as an additional language. Students also critically examine their own language acquisition as they strive to understand how languages are learned, with an end toward improving their own language skills. Taught in conjunction with EDUC-4858 (6).

PREREQUISITES: GERM-2109(3) and any 3 credit hours in 2000-level German Studies courses except GERM-2001(6)

GERM-3910(3) SPECIAL TOPICS IN GERMAN STUDIES

(T) In this tutorial, students explore a topic in German literature or linguistics under the direction of a professor. This course may be repeated for credit when the topic varies.

PREREQUISITES: 12 credit hours in 2000-level German Studies courses including GERM-2109(3) or GERM-2209(3), and permission of instructor

EXPERIMENTAL COURSE

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated

GERM-2107 INTRODUCTION TO MENNONITE LOW

GERMAN (Le3) This course helps students develop a basic knowledge of the Low German language (Plautdietsch) as spoken by Mennonites who migrated from Prussia to Russia and subsequently to Canada, the United States and throughout Latin and South America. Students learn to understand spoken Low German and to conduct basic conversations in everyday situations. Although written Low German is not completely standardized, the course provides students with a basic reading knowledge of Low German texts. Instruction in the communication patterns and structures of the language is complemented by audio and video exercises as available.

Prerequisites: German 40S or GERM-1001 or permission of the instructor

CROSS-LISTED: Mennonite Studies MENN-2107(3).

HISTORY (HIST)

Updated September 20, 2013

Note: The department/program code HIST replaces the former code 29. Students cannot hold credit in HIST-xxxx and the former 29.xxxx having the same course number (e.g., HIST-1010(6) and 29.1010(6)).

Chair: Associate Professor E. Sibanda; Professors: D. Abreu-Ferreira, R.K. Loewen, A.R. McCormack, J.N. Reilly; Associate Professors: R. Bohr, A-L. Caudano, A. Freund, J. Hanley, S. Keshavjee, M. Meuwese, S. Wall, H. Werner, J. Yaremko, A. Zayarnyuk; Assistant Professors: E. Alexander-Mudaliar, C. Labrecque, M. McCallum, A. Seyhun, and J. Thiessen, .

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA

INTRODUCTION

The study of History deals with the past— it interprets human affairs and institutions as they change in time. The University of Winnipeg's History Department offers courses which are designed to lead students, in stages, to an understanding of the historian's craft and of the historical process.

The History Department's program of studies is organized into four levels of study that provide a natural progression from generalized to specialized study in a chosen area of interest.

The 1000-level course is intended to introduce students to the discipline and the skills necessary for the study of history. Courses numbered 2000 are broad surveys and provide a general examination of the major themes in a number of different areas of study including world history, national histories, the history of science and the history of art. Courses at the 3000 level pursue, in more detail, one or more of the themes explored in the general surveys. Their purpose is to provide the student with deeper insight into the processes of historical thought, research and writing. They also promote small group discussion and permit the student to present his/her work orally to fellow students. Courses at the 4000 level are Honours seminars. In small groups, students examine the relevant literature on historical issues and present their own research to the seminar for discussion.

Most graduates with degrees in history find that the skills they have developed—critical analysis, writing reports, and small group discussion—serve them well in the worlds of government, business and law. Some history graduates pursue a career in teaching. Others find career opportunities in libraries, archives and museums.

REQUIREMENTS FOR A 3-YEAR BA IN HISTORY

ADMISSION REQUIREMENT	Students must consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours.
Double Major:	30 credit hours in History and specified number of credit hours in the other department/program.
Required courses:	Maximum of 6 credit hours at the 1000 level in History. 12 credit hours at the 2000 level in History 12 credit hours at the 3000 level in History
Distribution:	Minimum three (3) Areas of Study.
Combined Major:	Minimum of 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject. In addition to 6 credit hours at the 1000 level in History, combined major students require a minimum of 6 credit hours at the 2000 level in History and 6 credit hours at the 3000 level in History.

REQUIREMENTS FOR A 4-YEAR BA IN HISTORY

ADMISSION REQUIREMENT	Students must have minimum 30 credit hours completed previously.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Science:	6 credit hours in Science
Social Science:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours.
Double Major:	Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates:	Minimum of 18 credit hours/Maximum of 36 credit hours ancillary courses. Maximum total of cognate and major courses is 84 credit hours combined.
Required courses:	HIST-1010(6) An Introduction to History; HIST-3001(6) Practice and Philosophy of History. 6 credit hours in Pre-Industrial Period (any area). 6 credit hours in Canadian History (not the same course as Pre-Industrial Period selection) at the 2000 level or above.
Distribution:	Minimum six (6) credit hours from each of four (4) Areas of Study. One Area of Study must be carried through 2000 and 3000-level courses or above.

Note: For the requirement of 6 credit hours in the Pre-Industrial Period, in addition to courses with the "2" as the second digit, the following courses are acceptable:

<u>All History/Classics cross-listed courses;</u>	
HIST-2108(3)/	Mennonite Studies I
MENN-2101(3)	
HIST-2323(3)	Studies in German Culture I
HIST-2503(3)	Survey History of Canada: The Colonial Era; 1500-1867
HIST-2910(3)	History of Medicine to 1700
HIST-3611(6)	Colonial America; 1492-1783
HIST-3840(3/6)	Seventeenth Century Art
HIST-3841(3/6)	Arts of the Middle Ages
HIST-3842(3/6)	Italian Renaissance Art
HIST-3843(3/6)	Northern Renaissance Art
HIST-4601(6)	Colonial New England; 1620-1776

For the requirement of 6 credit hours in Canadian History at the 2000 level or above, in addition to courses with "5" as the second digit, the following courses are acceptable:

HIST-2801(6)	History of Canadian Art
HIST-3807(6)	Topics in Twentieth Century Canadian Art
HIST-3814(3)	Aboriginal Arts
HIST-3821(3)	Topics in Twentieth-Century Canadian Art I (Issues)
HIST-3822(3)	Topics in Twentieth-Century Canadian Art II (Research Project)

Normally the requirements for the Major should be fulfilled with half of the History courses at the 3000 level or above. Students must consult with the Department Chair in planning their curriculum.

Combined Major: Minimum of 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.

Required courses:

- One section only of HIST-1010(6)** Introduction to History
- 6 credit hours** at the 2000-level in History
- 6 credit hours** at the 3000-level in History

REQUIREMENTS FOR AN HONOURS BA IN HISTORY

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing, and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

Students in the Honours program must have approval of the Department Chair.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours

Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject, including One section only of **HIST-1010(6)** An Introduction to History. 12 credit hours at the 2000 or 3000 level in History.

Distribution: 36 credit hours in upper level (3000 and 4000) courses, including **HIST-3001(6)** Practice and Philosophy of History and a minimum of 24 credit hours at the 4000 level. Minimum four (4) Areas of Study.

Double Honours: Minimum 36 credit hours in each Honours subject, including One section only of **HIST-1010(6)** An Introduction to History 12 credit hours at the 2000 or upper level in History, including **HIST-3001(6)** Practice and Philosophy of History. 18 credit hours minimum at the 4000 level in the History component of the Double Honours. For the requirements of the other Honours subject consult the department involved.

Distribution: Minimum four (4) Areas of Study.

Suggested Pattern of Study:

Single Honours:

Year 1: **HIST-1010(6)** An Introduction to History

Year 2: **HIST-3001(6)** Practice and Philosophy of History and 6 credit hours at either the 2000 or 3000 level in History.

Year 3: 6 credit hours at the 3000 level in History, 12 credit hours at the 4000 level in History.

Year 4: 6 credit hours at the 3000 level in History, 12 credit hours at the 4000 level in History.

Double Honours:

Year 1 **HIST-1010(6)** An Introduction to History.

Year 2: **HIST-3001(6)** Practice and Philosophy of History and 6 credit hours at either the 2000 or upper level in History.

Year 3: 12 credit hours at the 4000 level in History.

Year 4: 6 credit hours at the 4000 level in History.

GENERAL INFORMATION

Prerequisites

Students who are not History Majors are welcome to select 1000-, 2000-, and 3000-level courses.

1000-Level Courses

Only one 1000-level history course may be used as credit towards graduation.

Graduate Studies

The History Department also offers Graduate Study as part of a Joint Master's Program with the University of Manitoba. For details see *Graduate Studies* of this Calendar.

4000-Level Courses: Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of the Department is required for each 4000-level course.

Re-numbering of Courses

Since 1988, the Department has renumbered many courses. Students may not receive credit for a currently-listed course if they have already completed it under its former number.

The Department of History has organized its courses into **areas of specialization**. These divisions are provided as guidelines to the Areas of Study available for concentration. Areas of Study are identified by the second digit in the course number as follows:

- 0 Introductory
- 1 World History
- 2 Pre-Industrial Europe
- 3 Modern Europe
- 4 Asia
- 5 Canadian History
- 6 United States History
- 7 Africa
- 8 History of Art
- 9 History of Science

COURSE LISTINGS

INTRODUCTORY COURSES

Note: Only one 1000-level history course may be used as credit towards graduation.

- HIST-1010(6) An Introduction to History
- HIST-1010(6) Art and Ideas
- HIST-1010(6) Canadian Immigration and Settlement
- HIST-1010(6) Ancient and Modern Conflicts
- HIST-1010(6) Issues in the History of Women in Canada
- HIST-1010(6) Europe: Famous Issues and Controversies, Ancient to Modern
- HIST-1010(6) Canadian Social History: Conflict and Change
- HIST-1010(6) Aboriginal Peoples of the Americas
- HIST-1010(6) Europe in Conflict, 1789-1945
- HIST-1010(6) Social and Political Ideas in European History
- HIST-1010(6) Topics in Western Canadian History
- HIST-1010(6) Women and Gender
- HIST/MENN-1010(6) Mennonites and the Modern World
- HIST-1010(6) World History
- HIST-1010(6) Canadian Issues: Cartier to Chrétien
- HIST-1010(6) Canadian Politics and Constitution
- HIST-1010(6) Art and History
- HIST-1010(6) Latin American Social History
- HIST-1010(6) Islamic World
- HIST-1010(6) Medieval World
- HIST-1010(6) African Kingdom

2000-LEVEL

CLASSICS: One of the following courses--**HIST-2090(3)**, **HIST-2096(6)**, or **HIST-2104(6)**--cross-listed with the Classics Department will be accepted as a part of a History Major with credit being given in the world (1) area of specialization in History.

- HIST-2090(3) Topics in Classical Studies
- CLAS-2010(3)
- HIST/CLAS-2096(6) The History of Ancient Rome
- HIST-2104(6)/ Ancient Greek History
- CLAS-2091(6)
- HIST-2108(3)/ Mennonite Studies I
- MENN-2101(3)
- HIST-2109(3)/ Mennonite Studies II
- MENN-2102(3)
- HIST-2110(6) The Twentieth Century World
- HIST-2112(6) War as a Social Institution
- HIST-2113(6) A History of Slavery
- HIST-2114(3) From Columbus to Cook
- HIST-2116(6) Survey History of Latin America
- HIST-2118(3) Modern Mexico: From Acapulco to Zapatistas

- HIST-2117(3) History of Brazil
- HIST-2120(3) The History of Modern Business Enterprise
- HIST/IDS-2130(6) History of the Developing World
- HIST/MENN/CRS-2131(3) History of Peace and Nonviolence I
- HIST/MENN/CRS-2132 History of Peace and Nonviolence II
- HIST-2133(3) Global Migration History
- HIST-2170(6) Islam and the West
- HIST-2171(3) Islam, Oil And War in the Modern Middle East
- HIST-2211(3) Europe in the Middle Ages 300-1350
- HIST-2212(3) Europe between the Medieval and Modern Worlds 1350-1650
- HIST-2213(3) Women in Pre-Industrial Europe
- HIST-2214(6) Europe in the Middle Ages
- HIST-2215(3) History of the Byzantine Empire
- HIST-2226(3) The History of Sexuality from Antiquity to the Middle Ages
- HIST-2303(3) The Child in Europe
- HIST-2313(6) Modern European Society
- HIST-2316(6) History of Britain from 1485
- HIST-2325(3/6) Russia to 1917
- HIST-2326(3/6) Russia since 1917
- HIST-2327(3) The History of Sexuality from the Renaissance to the Present
- HIST-2328(3) Anti-Semitism and the Holocaust
- HIST-2329(3) Women in Modern Europe
- HIST-2330(3) Europe since 1945
- HIST-2331(3) History of Modern Germany
- HIST-2411(6) History of Asia Since 1500
- HIST-2413(3) South Asia Since 1500
- HIST-2414(3) History of East Asia Since 1500
- HIST-2500(6) History of Canada to 1939
- HIST-2503(3) Survey History of Canada: The Colonial Era, 1500-1867
- HIST-2504(3) Survey History of Canada: The National Era, 1867-1939
- HIST-2505(3) Survey History of Canada: The Modern Era, 1939 to the Present
- HIST-2509(6) History of the Aboriginal Peoples of Canada
- HIST-2510(3) Aboriginal Peoples of Canada to 1815
- HIST-2511(3) Aboriginal Peoples of Canada since 1815
- HIST-2514(3) History of Canadian Education
- HIST-2600(6) History of the United States from 1607
- HIST-2700(6) History of Africa
- HIST-2800(6) History of European Art
- HIST-2801(6) History of Canadian Art
- HIST-2802(3)/ Art in Non-Christian Religions
- REL-2901(3)
- HIST-2900(6) History of Science

HIST-2901(6) History of Technology
HIST-2910(3) History of Medicine To 1700
HIST-2912(3) The History of Modern Medicine

3000-LEVEL

HIST-3001(6) Practice and Philosophy of History
HIST-3002(6) Tutorial
HIST-3005(6) Introduction to Oral History
HIST/CLAS-3006(3) Topics in Ancient History
HIST-3101(6) History of the Ottoman Empire
HIST/MENN-3108(3) Gender and Mennonites
HIST/MENN-3110(3) Russia and the Mennonites
HIST/MENN-3111(3) Conflict and Mennonites
HIST-3112(6) Militarism in the Modern World
HIST-3113(6) Personalities and Modern Revolution
HIST/MENN-3114(3) Latin America and the Mennonites
HIST-3115(6) The History of Spanish American Political Culture
HIST/MENN-3116(3) Mennonites and World Issues
HIST-3117(6) Columbus to Castro, a History of Cuba 1492 - Present
HIST-3118(3) South Asian Diaspora Since 1800
HIST-3119(3) Aboriginal Peoples and Christian Missions
HIST-3121(3) Women in the Modern World
HIST-3125(3) Topics in Contemporary Latin American History
HIST-3130(3) History of International Migration: The German Experience
HIST/BUS-3135(6) The Hudson's Bay Company and the Modern Department Store
HIST-3140(3)/CLAS-3310(3) Alexander the Great
HIST-3141(3)/CLAS-3311(3) The Hellenistic World
HIST-3170(3) History of Law in Islamic Society
HIST-3208(3) Crusades and Crusaders in the Middle Ages
HIST-3209(3) Travel and Encounters in the Middle Ages
HIST/MENN-3212(3) Fact, Fiction and Images: Interpreting Manitoba Mennonites
HIST-3216(3)/MENN-3102(3) Luther, Zwingli, and the Radical Reformers
HIST-3218(3) Topics in the Enlightenment
HIST-3220(3) Women in Medieval Europe, 800-1350
HIST-3221(3) Women in the Renaissance, 1350-1550
HIST-3222(3) Women in Early Modern Europe, 1550-1750
HIST-3223(3) Children and Childhood in Pre-Modern Europe
HIST-3224(3) Crime and Conflict in Pre-Modern Europe
HIST-3225(3) Slaves, Serfs, and Servants in Pre-Modern Europe
HIST-3310(3/6) Topics in Modern Ukrainian History
HIST-3314(6) Recent European History
HIST-3315(6) European Power Politics
HIST-3317(3) Topics in Russian and Soviet History
HIST-3320(3) Topics in Russian Intellectual History
HIST-3406(6) Colonialism and Nationalism in India
HIST-3408(3) Women's History in South Asia
HIST/ANTH-3515(6) Material Culture in the History of the Aboriginal Peoples of Canada
HIST-3518(3)/ANTH-3127(3) History of the Aboriginal Peoples of the Northern Plains
HIST-3519(3) Aboriginal Peoples and Treaties
HIST/IS-3523(3) Aboriginal Women's Twentieth Century History
HIST-3525(3) History of the Métis in Canada
HIST-3526(3)/

4526(3)/ANTH-3117(3)/4117(3)
HIST/ANTH-3528(3) History of Eastern and Subarctic Algonquian Peoples
HIST-3532(3)/ANTH-3128(3) History of the Iroquoian Peoples
HIST-3540(6) Critical Issues in the History of Canadian Politics, Nationalism, & International Relations
HIST/MENN-3541(3) Mennonites in Canada
HIST-3542(6) Gender, Class, and Ethnicity in Canadian History
HIST-3544(6) History of Winnipeg
HIST-3545(6) Historical Perspectives on Women in Canada
HIST-3548(6) Alternative Visions: Rebels and Revolutionaries in Canadian History
HIST-3552(6) Regionalism and the History of the Canadian West
HIST-3561(3) German-Canadian Identity - Historical Perspectives
HIST-3570(3/6) The Family in Canadian History
HIST/WGS-3571(3) History of Feminism in Canada
HIST-3572(3/6) History of Childhood in Canada
HIST-3603(3) United States, 1878-1929
HIST-3604(3) United States, 1929-1988
HIST-3611(6) Colonial America, 1492-1783
HIST-3612(3) Religion in American History
HIST-3703(3) South Africa in the Modern World
HIST-3704(3) West Africa in the Twentieth Century
HIST-3807(6) Topics in Twentieth-Century Canadian Art
HIST-3809(6) Nineteenth-Century Art in Context (1776-1900)
HIST-3810(6) Art of the Twentieth Century (1900 to the Present)
HIST-3811(6) Women, Art and Society
HIST-3813(3) Art History in Focus I
HIST-3814(3) Aboriginal Arts
HIST-3816(6) Art and Architecture of Pilgrimage
HIST-3817(3) Nineteenth-Century Art in Context I (1776-1870)
HIST-3818(3) Nineteenth-Century Art in Context II (1870-1900)
HIST-3819(3) Art in the Twentieth Century I (1900-1945)
HIST-3820(3) Art in the Twentieth Century II (1945 to the Present)
HIST-3821(3) Topics in Twentieth-Century Canadian Art I (Issues)
HIST-3822(3) Topics in Twentieth-Century Canadian Art II (Research Project)
HIST-3824(3) History and Theory of Dance and Art
HIST-3825(6) Theories and Methods for Art History
HIST-3826(3) Art History in Focus II
HIST-3829(3) Modern Architecture and Design
HIST-3831(3) Islamic Art and Architecture
HIST-3840(3/6) Seventeenth Century Art
HIST-3841(3/6) Arts of the Middle Ages
HIST-3842(3/6) Italian Renaissance Art
HIST-3843(3/6) Northern Renaissance Art
HIST-3901(3) The Scientific Revolution
HIST-3902(3) The Darwinian Revolution
HIST-3903(3)/CLAS-3090(3) Classical and Medieval Science
HIST-3904(3) The Einsteinian Revolution
HIST-3913(3) The History of Disease

4000-LEVEL

HIST-4000(3) Tutorial
HIST-4100(6) Tutorial
HIST-4103(6) Colonization and the Age of Modernity in Latin America
HIST-4111(6) Frontiers and Borderlands

HIST-4112(6) History of the Atlantic World
 HIST-4113(6) Slavery in the Americas
 HIST-4121(6) Sex, Race, and Gender in the Early Modern Period
 HIST-4130(6) History and Memory
 HIST-4200(6) Tutorial
 HIST-4210(6) Church and State in Medieval Europe
 HIST-4213(6) Topics in Early Modern Women's History
 HIST-4218(6) Topics in Medieval Culture
 HIST-4300(6) Tutorial
 HIST-4315(6) Europe in Crisis, 1914-1945
 HIST-4317(6) Studies in Modern Russian History
 HIST-4403(6) Postcolonial India
 HIST-4500(6) Tutorial
 HIST-4530(6) Advanced Studies in Canadian Social History
 HIST/MENN-4535(6) Immigration and Ethnicity in Canada and the United States
 HIST-4570(6)/ Aboriginals and Newcomers in Encounter:
 ANTH-4105(6) Selected Topics
 HIST-4580(6) The Interpretation of Canadian History: Historiographical Issues
 HIST-4600(6) Tutorial
 HIST-4601(6) Colonial New England, 1620-1776
 HIST-4605(6) Studies in Intellectual and Social History of the United States
 HIST-4610(6) The Origins of the Civil War in the United States
 HIST-4700(6) Tutorial
 HIST-4800(6) Tutorial
 HIST-4801(6) Special Topics in Art History
 HIST-4802(6) French Art and Culture around 1900

HIST-4815(6) Art History and Exhibition Practice
 HIST-4830(6) The History of Museums and Collecting
 HIST-4831(6) Practicum in Curatorial Studies
 HIST-4900(6) Tutorial
 HIST-4902(6) Selected Topics in the History of Science
 HIST-4910(6) Themes in the History of Medicine

EXPERIMENTAL COURSES

HIST-2125(3) Eyewitnesses to World History
 HIST/UIC-2515(3) History of Education in Winnipeg's Inner City
 HIST-2525(3) Eyewitnesses to Canadian History
 HIST-2890(3) Ways of Seeing
 HIST-3124(3)/ A Global History of Slavery, Indentured
 HRGS-3324(3) Labour and Sexuality since 1700
 HIST-3143(3)/ Migration and Human Rights
 HRGS-3140(3)
 HIST-3144(3) Human Rights in Latin America
 HRGS-3141(3)
 HIST/HRGS-3145(3)/ Climate Change and Human Displacement
 HIST/HRGS-3146(3)/ Women and Climate Change
 WGS-3146(3)/
 HIST/HRGS-3147(3) Development, Indigenous Property and Extraction
 IDS-3147(3)
 HIST-3310(3/6) Modern Ukrainian History
 HIST-3331(3) Workhouse to Welfare State: British Health Care since 1750
 HIST-4890(3) Women, Art, and Craft
 HIST-4891(3) Selected Topics in Visual Cultures

COURSE DESCRIPTIONS

HIST-1010(6) AN INTRODUCTION TO HISTORY (Le3) Is it important to know about the past? Can we judge people from other times? Is there such a thing as progress? Are there patterns to the past? Do historical "facts" change? Within a relatively small lecture/seminar setting, this course introduces you to the ways in which people try to understand their present by studying their past, and how they communicate these insights to others. It deals with how historians use evidence and what they mean by "change and continuity," "moral judgement," "cause and effect," "specialization," and other ideas. By studying particular periods, places, and problems, students will develop reading, writing, and analytical skills that facilitate independent judgments of the past and its impact upon the present. The content of each section will depend upon the interests and skills of the members of the staff. Students can obtain a list of sections in any particular year from the Department Secretary. Examples of sections taught in previous years are as follows:

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) ART AND IDEAS (Le3) This course is concerned with the general topic of the relationship between art history and other facets of social, cultural and intellectual history. Specifically it focuses upon the art of Vincent Van Gogh and Kathe Kollwitz, among other artists. Issues dealt with are the use of visual and literary sources, the role of biography in art history, and the artist's place in society.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) CANADIAN IMMIGRATION AND SETTLEMENT (Le3) This section traces the development of modern Canada through immigration. We will examine the

provincial and federal policies that determined the immigration and settlement process and explore the social, economic, cultural, and international factors that shaped the experiences of immigrants.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) ANCIENT AND MODERN CONFLICTS (Le3) This section will study the Peloponnesian War and classical Athens, seeking to explore both the difficulties and the rewards of historical interpretation. How we discover historical facts and make historical judgments will be further explored in selected studies of modern historical events, such as the American Civil War, the Russian Revolution, the beginning of the Pacific War in 1941, or the origins of the Cold War.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) ISSUES IN THE HISTORY OF WOMEN IN CANADA (Le3) This course will examine the political, economic, and social roles of women during four centuries of Canada's history. Special attention will be paid to the experiences of women from a variety of ethnic backgrounds and social classes throughout Canada.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) EUROPE: FAMOUS ISSUES AND CONTROVERSIES, ANCIENT TO MODERN (Le3) This section will deal with certain major historical issues from European civilization. For example, the concept of Imperialism will be treated through Ancient Rome, that of Great Men through the Reformation controversy, that of Revolution through eighteenth-century France, and that of class conflict through industrializing Europe.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) CANADIAN SOCIAL HISTORY: CONFLICT AND CHANGE (Le3) This section will cover selected themes in modern Canadian social history. Among the subjects covered will be classes and ethnic groups, sex roles, urban development, and the lives and organizations of working people. Particular attention will be paid to the Winnipeg General Strike.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) ABORIGINAL PEOPLES OF THE AMERICAS This section examines a selected series of historical encounters between Aboriginal peoples of the Americas and European newcomers. It analyzes the problems and limitations of doing history across cultural frontiers and through documentary and other sources that are sparse, ethnocentric, and otherwise limited in their scope and perspectives.

HIST-1010(6) EUROPE IN CONFLICT, 1789-1945 (Le3) By focusing on the theme of conflict in Europe from the French Revolution to the Cold War, this section will examine the impact of revolution and war on the development of European society.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) SOCIAL AND POLITICAL IDEAS IN EUROPEAN HISTORY (Le3) This section will survey the course of Western Civilization from ancient times to the present through an emphasis on ideas about social and political structures such as governing institutions, economic organizations, social divisions, religious beliefs, and relations between the sexes.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) TOPICS IN WESTERN CANADIAN HISTORY (Le3) This section of history will use the social history of western Canada as a vehicle.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) WOMEN AND GENDER (Le3) This course is directed primarily at first-year students with an interest in European history. It aims to provide an introduction to two significant historical themes - women and gender - in the sixteenth and seventeenth centuries. This section is designed to introduce students to the discipline of history through critical and analytical readings of primary and secondary sources, research, and writing.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) MENNONITES AND THE MODERN WORLD (Le3) This course is a history of the ethnic identity and religious faith of the Mennonites from the 16th century to the present. Students will interpret the writings of the Mennonites, including their letters, memoirs, and diaries. These sources will show how Mennonites related to such modern phenomena as Protestantism, nationalism, capitalism, feminism, and global culture. The course will trace the Mennonites as they migrated from Europe to North America and as they established themselves in Asia, South America, and Africa.

CROSS-LISTED: Mennonite Studies MENN-1010(6).

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) WORLD HISTORY (Le3) This section surveys world history from approximately 1300 to the present. Topics

include the Mongols, Ming China, Mughal India, Africa, and the Atlantic slave trade, the Industrial Revolution and political revolutions of the eighteenth and nineteenth century, culminating with the colonial and post-colonial periods in Africa and Asia. The emphasis throughout will be on an examination of world history processes through cultural contact and change.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) CANADIAN ISSUES: CARTIER TO CHRÉTIEN (Le3) This section will examine the central issues and debates in the social, economic, and political history of Canada from New France to the present day.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) CANADIAN POLITICS AND CONSTITUTION (Le3) By focusing on social and economic factors, this course will explore the evolution of Canada's political culture and constitutional settlement.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) ART AND HISTORY (Le3) This course will consider the relationship between art and its historical contexts, discussing both the art works' conditions of production and their subsequent interpretations. Visual art (which may include traditional forms such as painting and sculpture, and other media such as photography, dance, film and television) will be investigated as historical evidence, human expression and political discourse. Questions of gender and race will be addressed. Field trips to local exhibitions and architectural sites will be arranged during class time.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) LATIN AMERICAN SOCIAL HISTORY (Le3)

The social history of Latin America has been shaped by forces such as economic development, imperial rivalries and race, gender and class relations. By using "lecture series" varying in length from two to four class periods, these forces will be elaborated from the pre-contact era to the mid twentieth century.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) ISLAMIC WORLD (Le3) This course is a survey of Islamic history from its very beginning to the present. It aims to give a better understanding of the present situation of the Islamic World by studying the past. It examines how historians use primary sources to construct their versions of the past.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) MEDIEVAL WORLD (Le3) This course is an introduction to medieval history and culture that focuses on the people of the Middle Ages especially those who were particularly admired or vilified. The course explores how their lives were shaped by the society in which they lived, and how legends about them have influenced western values and ideals down to the present. The course introduces students to selected methods and materials of historical research and writing, current theories and issues, and historiography, through the lens of the Middle Ages.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) AFRICAN KINGDOM (Le3) This course is an analysis of cultural, economic and political dimensions of the pre-colonial African kingdoms.

RESTRICTION: Only one 1000-level history course may be used as credit towards graduation.

HIST-2090(3) TOPICS IN CLASSICAL STUDIES (Le3)

This course explores a specific area in the field of Classical Scholarship. The focus of study varies from year to year. Possible topics include Ancient medicine, technology, economics, warfare, and the popular reception of the Classical tradition. Information concerning these course offerings is provided by the Department.

RESTRICTIONS: This course may be repeated when the topic varies.

CROSS-LISTED: Classics CLAS-2010(3).

HIST-2096(6) THE HISTORY OF ANCIENT ROME (Le3)

Lectures trace the history of Rome from the legendary foundations of the city through to the reign of Constantine. Major events of the Republic and the first three centuries of the Empire are explored. Particular emphasis is placed upon the expansion of Rome's power throughout Italy and the Mediterranean, the forces which brought about the transformation of the Roman style of government from Monarchy to Republic to Empire, and the problems which attended these changes.

RESTRICTIONS: Students with standing in HIST-2106(6) and or HIST-2107(6) may not receive credit for HIST-2096(6)

CROSS-LISTED: Classics CLAS-2096(6).

HIST-2104(6) ANCIENT GREEK HISTORY (Le3)

The course will trace the history of Greece from 800 B.C. until the rise of Macedon. Special emphasis will be placed on the social, political, and economic evolution of the Greek city-states (in particular Athens and Sparta), the failure of the Greeks to achieve unity, and their consequent vulnerability to external threats.

RESTRICTIONS: Students with standing in the former HIST-2091(6) may not receive credit for HIST-2104(6).

CROSS-LISTED: Classics CLAS-2091(6).

HIST-2108(3) MENNONITE STUDIES I (Le3) This course offers a survey of the origins and history of the Anabaptists in Switzerland, the Netherlands, Germany, Prussia, and Russia. Attention will be given to the interaction of religion and culture in the history of European Mennonites.

RESTRICTIONS: Students with standing in HIST-3108(3) may not receive credit for HIST-2108(3).

CROSS-LISTED: Mennonite Studies I, MENN-2101(3).

HIST-2109(3) MENNONITE STUDIES II (Le3) This course offers a survey of the immigration and resettlement of Mennonites in Russia and in North and South America. The course will include a study of the origins and distinctive characteristics of particular Mennonite groups and conclude with a brief survey of Mennonites around the world.

RESTRICTIONS: Students with standing in HIST-3109(3) may not receive credit for HIST-2109(3).

CROSS-LISTED: Mennonite Studies II, MENN-2102(3).

HIST-2110(6) THE TWENTIETH-CENTURY WORLD (Le3)

This course offers an historical approach to the characteristic problems, new or inherited, of the twentieth century, e.g., problems of industrialism; nationalism; balance of power; racial conflicts; imperial rivalries; origins, character, and results of World War I; totalitarian experiments; the Second World War; problems of the post-war period; the contemporary world-scene; the United Nations' difficulties and achievements.

RESTRICTIONS: Students with standing in HIST-2100(6) may not receive credit for HIST-2110(6).

HIST-2112(6) WAR AS A SOCIAL INSTITUTION (Le3) This course offers a survey of the effects of war on the development of Western society, and the reciprocal effects

of social forces on the art of war, from the ancient Greeks to the Nuclear Age.

RESTRICTIONS: Students with standing in HIST-3103(6) may not receive credit for HIST-2112(6).

HIST-2113(6) A HISTORY OF SLAVERY (Le3) This course offers an historical survey of the institution of slavery from ancient times to the twentieth century. Emphasis will be placed on slavery as the basis of imperial and economic systems, the African and New World experience, and the slavery of the twentieth century.

RESTRICTIONS: Students with standing in HIST-3102(6) may not receive credit for HIST-2113(6).

HIST-2114(3) FROM COLUMBUS TO COOK: EUROPEAN ENCOUNTERS WITH OTHERS, 1450-1800 (Le3)

From the era of Christopher Columbus until the voyages of James Cook to the Pacific in the 1770s, Europeans established sustained contacts with peoples across the globe. This course is a thematic survey of the commercial, religious, diplomatic, violent, and intimate interactions between early modern Europeans and peoples in Africa, Asia, the Americas, and the Pacific. Topics discussed may include Portuguese traders and missionaries in West Africa, the Spanish conquest of the Inca and Aztec Empires, Aboriginal peoples and settler colonialism in North America, European diplomacy and trade in Asia, and the first encounters between the British and Aboriginal Australians.

HIST-2116(6) SURVEY HISTORY OF LATIN AMERICA (Le3)

This lecture course is an overview of the history of Central and South America. The course will study the aboriginal experience before European expansion into the region, then examine the effect of colonization on the cultural, political, and social structures of the region. The course concludes with an examination of the modern, post-colonial period.

HIST-2117(3) FROM SUGAR AND SLAVES TO SAMBA AND SOCCER: HISTORY OF BRAZIL (Le3)

This survey examines the main social, political, economic, and cultural developments in Brazil from the early colonial period to the present. Topics include indigenous peoples and their interactions with Europeans, Portuguese colonization, sugar and slavery, the gold rush, the exiled Portuguese monarchy, coffee economy and society, slave emancipation, industrialization and urban growth, changes in the Amazon region, and cultural developments such as samba and soccer.

HIST-2118(3) MODERN MEXICO: FROM ACAPULCO TO ZAPATISTAS (Le3)

This course examines the historical development of Mexico from independence through revolution to the present, with emphasis on major social, political, economic, and cultural developments that contributed to the formation of modern Mexico. The course explores key issues, including the role of race, ethnicity, class, and religion in Mexican independence and nation-building, war with the United States, dictatorship and revolution, the impact of free trade, and the multifaceted grassroots struggles to make a living or make for the U.S. border. Students are encouraged to engage in research, analysis, and problem-solving toward understanding the historical factors that have shaped Mexico.

HIST-2120(3) THE HISTORY OF MODERN BUSINESS ENTERPRISE (Le3)

This course investigates the history of business from a perspective that includes economic, social and labour history. The course examines historical developments that shaped business, as well as major interpretive debates among scholars of business history. Beginning with a discussion of sixteenth-century trade and commerce, the course explores the development of

transportation and mass production, the emergence of a managerial class, the roles of women and of workers, advertising and consumption, and alternative ownership structures. The focus is on Canadian business, though references to global experiences are discussed. Readings include literature on business history and related fields.

HIST-2130(6) A HISTORY OF THE DEVELOPING WORLD (Le2, S1) This course examines the historical roots of development and underdevelopment, processes that have led to the emergence of the developing world or Third World as a distinctive, though diverse region. It surveys trends such as colonization, industrialization, militarization and trade in the Africa, Asia and Latin America from the 15th to the 20th century. It investigates the ways in which both external pressures and internal dynamics have contributed to continuity and change in these regions. This course will help students to understand the historical context for contemporary changes in developing countries, as well as the context in which particular development theories and practices emerged.

PREREQUISITES: Either 60.1100(6) (Intro to IDS) or HIST-1010(6) (An Intro to History) or CMU 61.100(3) and 61.101(3) (History of Western Civilization I & II) or permission of the instructor.

CROSS-LISTED: International Development Studies IDS-2130(6).

HIST-2131(3) HISTORY OF PEACE AND NONVIOLENCE I (Le3) This course examines the history of pacifism, peace movements, and nonviolence from ancient times to the 1700s. It focuses in particular on Europe, with special emphasis on the period from ancient Greece and Rome, to Early Modern times in Western Europe. The course also addresses history of peace in other parts of the world. Thus, it contrasts Christian traditions of nonviolence with those of Hindu, Buddhist and other eastern traditions. For case studies, the course examines Mennonite communities in 16th and 17th century Switzerland and the Netherlands.

CROSS-LISTED: Mennonite Studies MENN-2131(3), Conflict Resolution Studies CRS-2131(3).

HIST-2132(3) HISTORY OF PEACE AND NONVIOLENCE II (Le3) This course examines the history of pacifism, peace movements, and nonviolence from the 1700s till the present. It focuses in particular on North America, but will also cover selected events in other parts of the world. The course, thus, contrasts Christian traditions of nonviolence with those of aboriginal, secular, and eastern cultures. For case studies, the course examines Mennonite communities in 19th and 20th century Canada and the United States where Mennonites have embraced pacifism as a fundamental principle of social organization.

CROSS-LISTED: Mennonite Studies MENN-2132(3), Conflict Resolution Studies CRS-2132(3).

HIST-2133(3) GLOBAL MIGRATION HISTORY (Le3) This lecture course surveys the diversity of worldwide migrations in the modern period. Topics include exploration and conquest; merchants, mercenaries, and missionaries; slavery and unfree migration; imperialism, settlement and labour migrations, and refugees. Concepts discussed include international migration systems; transnational life, culture, and society; diaspora; voluntary and forced migration.

HIST-2170(6) ISLAM AND THE WEST (Le3) This course examines the political, social, and cultural relations between the European and Islamic worlds from the Seventh Century to the present. Unlike many other non-Western societies, Islam developed in close and mutual contact with European Christendom. This relationship is discussed through several themes, including the transmission of scientific knowledge,

the changing balance of military and economic power that paved the way for European empires to rise to world dominance, and the formation and legacy of cultural stereotypes on both sides.

HIST-2171(3) ISLAM, OIL AND WAR IN THE MODERN MIDDLE EAST (Le3) This course studies the adaptation of Islamic societies to global change, the rise of European empires, and forces of modernization. From the reforms in the eighteenth-century Ottoman Empire the course proceeds to the rise of national states. Special attention is paid to the role of ethnic and religious differences in regional conflicts. The course also examines the rise of such ideologies as Arab nationalism and Zionism. Major questions like the Israeli-Palestinian conflict, the Iranian revolution of 1979, Gulf wars and occupation of Iraq by US are discussed in this course.

HIST-2211(3) EUROPE IN THE MIDDLE AGES 300-1350 (Le3) This course is a survey of the political, social, and cultural history of Western Europe between the division of the Roman Empire and the end of the High Middle Ages. It studies the origins of peoples and the growth of institutions by which Western Europe has been shaped, and the cultural developments which culminated in the Gothic churches and schools.

RESTRICTIONS: Students with standing in HIST-2200(3), HIST-2214(6), HIST-2310(6) or HIST-2311(3) may not receive credit for HIST-2211(3).

HIST-2212(3) EUROPE BETWEEN THE MEDIEVAL AND MODERN WORLDS 1350-1650 (Le3) This course is a survey of the political, social, and cultural history of Western Europe between the Black Death and the end of the religious wars; the economic and political recovery of Europe, the expansion of Europe overseas, the Reformation in religion, and the new developments in science and arts during the Renaissance and Baroque periods.

RESTRICTIONS: Students with standing in HIST-2201(3) or HIST-2310(3) or HIST-2312(3) may not receive credit for HIST-2212(3).

HIST-2213(3) WOMEN IN PRE-INDUSTRIAL EUROPE (Le3) This course will survey women's history in Western Europe from classical times to about 1700. Using primary and secondary sources, the course will cover historical fluctuations in the condition and status of women, as well as an array of economic, political, and social relations between women and men, with a focus on the ideologies (e.g., religious, philosophical) that helped to shape attitudes toward women.

RESTRICTIONS: Students with standing in HIST-2111(6) and/or 29(3)105(6) may not receive credit for HIST-2213(3).

HIST 2214(6) EUROPE IN THE MIDDLE AGES (Le3) This survey examines the evolution of Europe from the gradual collapse of the Roman Empire to the emergence of states in Western Europe as well as in the Byzantine and Slavic World. The course focuses on various aspects of social, religious, political, cultural, and intellectual life. Topics include the "Barbarian" invasions of the Roman Empire, the birth of Christianity and Islam, the Crusades, the development of cities, the daily life of men and women, the Byzantine Empire and its Slavic neighbours, the birth of universities, the Black Death, and the Hundred Years War. Medieval documents are analysed in class to offer a direct insight into the period.

RESTRICTIONS: Students with standing in HIST-2211(3) may not receive credit for HIST-2214(6).

HIST-2215(3) HISTORY OF THE BYZANTINE EMPIRE (Le3) This survey course examines the history of the Byzantine Empire, from its origins in the reign of Constantine

l to its end at the fall of Constantinople (1453). The course focuses on various aspects of political, religious, social, and cultural life. Topics may include the reign of Justinian I, the iconoclastic crisis, the transmission of the orthodox faith to the Slavs, the Byzantine court and its relations with its neighbours, notably the crusaders, and the Ottoman conquest.

HIST-2226(3) THE HISTORY OF SEXUALITY FROM ANTIQUITY TO THE MIDDLE AGES (Le3) By tracing the historical evolution of a variety of themes, such as aphrodisiacs, reproductive theories, the sex trade, and policies on public health, this course will offer a survey of sexuality from prehistory to the Middle Ages. The prehistorical period will be reviewed briefly, followed by an examination of classical Greece and Rome, early Christianity, and the Middle Ages. Though references will be made to other regions for comparative purposes, the focus of this course is on western Europe.

HIST-2303(3) THE CHILD IN EUROPE (Le3) Lectures and discussions examine from several disciplinary perspectives conceptions of the child and of childhood in Europe from ancient times to the present. With contributions from such fields as Art History, Classics, English, French, German, History, and Women's Studies, the course explores Europeans' definitions of children and childhood and their understandings of children in relation to the family, society, class, gender, religion, and work. We examine typical images of childhood in European literature and art, the connections between these images and actual practices, and the continuing impact of these ideas and practices.

HIST-2313(6) MODERN EUROPEAN SOCIETY (Le3) This course surveys European societies from the absolute monarchies of the 17th century to the fascist and communist movements of the 20th century. It provides background for understanding contemporary Europe by exploring the relationship between industrialization and urbanization, the origins and impact of wars and revolutions and the impact of ideologies, such as democracy, nationalism, socialism and Nazism. Attention is also paid to the role of significant individuals, including Louis XIV, Newton, Marx, and Hitler. **RESTRICTIONS:** Students with standing in HIST-2300(6), HIST-2314(6) or HIST-2315(3) may not receive credit for HIST-2313(6).

HIST-2316(6) HISTORY OF BRITAIN FROM 1485 (Le3) This course is a survey of the growth and development of modern Britain, 1485 to the present. **RESTRICTIONS:** Students with standing in HIST-2400(6) may not receive credit for HIST-2316(6).

HIST-2325(3 or 6) RUSSIA TO 1917 (Le3) This course provides a survey of Russian history and civilization from 800 to 1917. Topics include the founding of the Russian state, the Tsarist Empire, and the Revolutions of 1917. Important political and cultural personalities discussed include Ivan the Terrible, Peter the Great, Tchaikowsky, Tolstoy, and Lenin. **RESTRICTIONS:** Students with standing in HIST-2317(3) or HIST-2321(3) or HIST-3205(6) or HIST-3305(6) may not receive credit for HIST-2325(3).

HIST-2326(3 or 6) RUSSIA SINCE 1917 (Le3) This course provides a survey of Russian history and civilization since the Bolshevik Revolution. Topics include the formation of the Soviet state, Stalinism, World War II, the Cold War, the collapse of the Soviet Union, and the emergence of the new Russia. Important political and cultural personalities discussed include Lenin, Stalin, Khrushchev, Gorbachev, Solzhenitsyn, and Shostakovich.

RESTRICTIONS: Students with standing in HIST-2317(6) or HIST-2321(3) or HIST-3205(6) or HIST-3305(3) may not receive credit for HIST-2326(3).

HIST-2327(3) THE HISTORY OF SEXUALITY FROM THE RENAISSANCE TO THE PRESENT (Le3) By tracing the historical evolution of a variety of themes, such as aphrodisiacs, reproductive theories, the sex trade, and policies on public health, this course will offer a survey of sexuality from the Renaissance to the twentieth century. The focus will be on the Renaissance, the Protestant Reformation, the Scientific Revolution, the Enlightenment, and the Industrial Revolution, with a critical look at these historical periods as watersheds in the history of sexuality. Though references will be made to other regions for comparative purposes, the focus of this course is on Western Europe.

HIST-2328(3) ANTI-SEMITISM AND THE HOLOCAUST (Le3) This course studies the origins and execution of Hitler's "Final Solution" against the backdrop of 2000 years of European Anti-Semitism. Although the major focus of the course will be on the tragic events of 1933-45, contemporary topics such as Neo-Nazism and other genocides will be briefly addressed as well.

HIST-2329(3) WOMEN IN MODERN EUROPE (Le3) This course will survey women's history in Western Europe from 1700 to the present. Using primary and secondary sources, the course will cover historical fluctuations in the condition and status of women, as well as an array of economic, political, and social relations between women and men, with a focus on the ideologies (e.g. religious, philosophical) that helped to shape attitudes toward women.

RESTRICTIONS: Students with standing in HIST-2111(6) and/or HIST-3105(6) may not receive credit for HIST-2329(3).

HIST-2330(3) EUROPE SINCE 1945 (Le3) This course provides a survey of eastern and western European history since the end of World War II. It covers the Cold War, the development of the European Common Market and the European Union, the Collapse of Communism and changes in Europe since then. Political, Social, economic, and cultural topics are included. The role of important personalities such as Charles de Gaulle, Willi Brandt, Josip Tito, Lech Walesa and Mikhail Gorbachev are considered.

HIST-2331(3) HISTORY OF MODERN GERMANY (Le3) This survey of political, economic, social, and cultural developments in Germany from the Holy Roman Empire to the Berlin Republic focuses on developments after the Congress of Vienna (1815), including the 1848 Revolution, Bismarck and German unification 1871, Wilhelmine Germany and imperialism, World War One, the Weimar Republic, Hitler and National Socialism, World War Two and the Holocaust, the two Germanies in the Cold War, and reunification in 1989/90. Major historiographical controversies and methods of interpreting and analyzing German history are examined through lectures, explication of primary sources and critical reading of secondary sources, group and class discussions, and films.

HIST-2411(6) A HISTORY OF ASIA SINCE 1500 (Le3) This course surveys Asia in the era of Western expansion. Emphasis is placed on the internal developments in South Asia (India), East Asia (China and Japan) and Southeast Asia (Indonesia, Burma, Malaya, Thailand, Vietnam, and the Philippines) as well as on their interaction with Western countries and with each other. Topics include cultural identity, colonization, modernization, nationalism, decolonization, and the post-colonial period.

RESTRICTIONS: Students with standing in HIST-2413(3) or HIST-2414(3) or the former HIST-2701(6), HIST-2703(3) or HIST-2704(3) may not receive credit for HIST-2411(6).

HIST-2413(3) SOUTH ASIA SINCE 1500 (Le3) This course surveys the Mughal period, the emergence of regional states, the transition to colonialism, the East India Company Raj, the British colonial state, the rise of Indian nationalism, and issues of democracy and authoritarianism in South Asia (India, Pakistan, Nepal, Bangladesh, Sri Lanka) since independence.

RESTRICTIONS: Students with standing in HIST-2411(6) or the former HIST-2701(6) or HIST-2703(3) may not receive credit for HIST-2413(3).

HIST-2414(3) HISTORY OF EAST ASIA SINCE 1500 (Le3)

This course surveys the history of China from the Ming Dynasty to Communist China, Korea from the Early Choson dynasty to the present, and Japan from the Edo era to the contemporary period.

RESTRICTIONS: Students with standing in HIST-2411(6) or the former HIST-2701(6) or HIST-2704(3) may not receive credit for HIST-2414(3).

HIST-2500(6) HISTORY OF CANADA TO 1939 (Le3) This is a survey course designed to acquaint students with the foundations and development of the Canadian nation - its social, economic, and political institutions. It will emphasize the regional life and social organization of the country, the impact of war, colonialism and continentalism, the development of federalism, the rise of French-Canadian nationalism and separation, and the development of Canadian socialism.

RESTRICTIONS: Students with standing in HIST-2503(3) or HIST-2504(3) may not receive credit for HIST-2500(6).

HIST-2503(3) SURVEY HISTORY OF CANADA: THE COLONIAL ERA, 1500-1867 (Le3) This course is a survey of the economic, social, and political history of Canada from the early encounters of Europeans with North America and its indigenous peoples to Confederation. Themes may include the immigration of Europeans to Canada, the relations between Europeans and aboriginal peoples, the social and political relations that formed around colonial economies, the development of regionalism and French-Canadian nationalism, and movements for political reform.

RESTRICTIONS: Students with standing in HIST-2500(6) may not receive credit for HIST-2503(3).

HIST-2504(3) SURVEY HISTORY OF CANADA: THE NATIONAL ERA, 1867-1939 (Le3) This course surveys the economic, social, and political history of Canada from the formation of the Canadian state in the mid-nineteenth century to the beginning of World War II. Themes may include the constitutional achievement of the nation state, westward expansion and relations with aboriginal peoples, the creation of a national political economy and the social relations which developed within it, immigration and ethnic relations, the rise of political dissent and socialism, questions of political rights and citizenship, French-Canadian nationalism and regionalism.

RESTRICTIONS: Students with standing in HIST-2500(6) may not receive credit for HIST-2504(3).

HIST-2505(3) SURVEY HISTORY OF CANADA: THE MODERN ERA, 1939 TO THE PRESENT (Le3) This course surveys the economic, social, and political history of Canada from the beginning of World War II to the recent past. Themes may include the rise and decline of the welfare state in Canada; the political and constitutional developments that facilitated it; and the challenges to it from French-Canadian nationalism, regional protest movements, and socialism; Canada's participation in World War II, its place in postwar

international relations, and its shift in dependence from Great Britain to the United States.

HIST-2509(6) HISTORY OF THE ABORIGINAL PEOPLES OF CANADA (Le3) This course traces Canadian aboriginal history down to the treaties and reserves of the late nineteenth and early twentieth century, emphasizing the period after the first European contact.

RESTRICTIONS: Students with standing in HIST-3509(6) or HIST-3509(3) may not receive credit for HIST-2509(6).

HIST-2510(3) ABORIGINAL PEOPLES OF CANADA TO 1815 (Le3) This course traces Aboriginal history down to the War of 1812 era. We discuss the period preceding Aboriginal contact with Europeans to set the context for the main part of the course, an extensive examination of the post-contact era. The course concludes by exploring the shift in government and popular perceptions of Aboriginal people from ally and partner to problem and hindrance. The course considers diverse sources and methods for interpreting this history.

RESTRICTIONS: Students with standing in HIST-2509(6) may not receive credit for HIST-2510(3).

HIST-2511(3) ABORIGINAL PEOPLES OF CANADA SINCE 1815 (Le3) This course traces the development of Aboriginal history since the War of 1812. Beginning with the post-War period, the course examines the shifting policies and attempts by colonial governments to direct the assimilation of Aboriginal people. Topics include the development of civilization and assimilation policies, origin and continuance of treaties, land claims, residential schools, Indian Act development, reservations, royal commissions, the 1969 White Paper, and recent court decisions. Emphasis is placed on Aboriginal efforts to maintain cultural and national self-determination while facing these policies. We consider the diverse sources and methods for interpreting this history, with a focus on the documentary record.

RESTRICTIONS: Students with standing in HIST-2509(6) may not receive credit for HIST-2511(3).

HIST-2514(3) HISTORY OF CANADIAN EDUCATION (Le3) This course is a systematic inquiry into the historical origins and development of educational thought, policy, and reform in Canada.

RESTRICTIONS: Students with standing in HIST-3514(3) may not receive credit for HIST-2514(3).

HIST-2600(6) HISTORY OF THE UNITED STATES FROM 1607 (Le3) This course is a survey of the development of the American people and their institutions from colonial times to the present day.

HIST-2700(6) HISTORY OF AFRICA (Le3) This course is a survey of the social, economic, political, and cultural traditions of the African continent.

HIST-2800(6) HISTORY OF EUROPEAN ART (Le3) The historical development of art forms in the European tradition will be studied in successive eras. Emphasis is given to painting, sculpture, and architecture.

HIST-2801(6) HISTORY OF CANADIAN ART (Le3) A survey of Canadian art from the influences of European styles in the early period to the impact of Canadian culture on art in the 20th century.

HIST-2802(3) ART IN NON-CHRISTIAN RELIGIONS (Le3) This course explores the intrinsic links within non-Christian religious traditions between beliefs and social systems and the art produced in those contexts. It focuses on the art and architecture of Hinduism, Buddhism, and Islam. Students

explore art's implicit and explicit messages about the religious beliefs of its producing society, how art functions within the context of religion, and how one "reads" religious art. The class investigates the impact of social, economic, and power structures on religious art, and the role of patronage in art production.

CROSS-LISTED: Religious Studies REL-2901(3).

HIST-2900(6) HISTORY OF SCIENCE (Le3) This course surveys the development of Science from ancient to modern times with emphasis on the concepts of the physical sciences.

NOTE: This course fulfils either the University of Winnipeg Humanities Requirement or the University of Winnipeg Science Requirement.

HIST-2901(6) HISTORY OF TECHNOLOGY (Le3) A survey of developments in technology, from ancient to modern times. Throughout, there will be a consideration of the relationship of technology to man. This course does not fulfil the Science requirement.

HIST-2910(3) HISTORY OF MEDICINE TO 1700 (Le3) This course is a survey of the development of western medicine from the ancient period to 1700. Topics include the origin of the ancient medical tradition; the Hippocratic Oath and the origin of medical ethics; the Black Death and medieval medicine; and the seventeenth century scientific revolution in medicine. The course will relate medical practice to its scientific, philosophic and social bases.

RESTRICTIONS: Students with standing in HIST-2909(3) or HIST-3909(3) may not receive credit for HIST-2910(3).

HIST-2912(3) THE HISTORY OF MODERN MEDICINE (Le3) This course is a survey of the scientific, professional, and political development of medicine after 1700. Topics include the development of scientific medicine, including the germ theory of disease; the rise of the hospital and the transformation of medical education; and the growth of the public provision of medical care, including state-sponsored medical insurance schemes in Europe and North America.

RESTRICTIONS: Students with standing in HIST-2909(3) or HIST-3909(3) may not receive credit for HIST-2912(3).

HIST-3001(6) PRACTICE AND PHILOSOPHY OF HISTORY (Le, S3) This lecture/seminar course introduces the student to the practice of history. By studying historical writing it emphasizes changing ideas in history and the philosophical and practical difficulties involved in thinking about history. The course also emphasizes methodologies in research techniques and the writing of history.

RESTRICTIONS: Students with standing in the former HIST-4001(3) and HIST-4002(3) may not receive credit for HIST-3001(6).

HIST-3002(6) TUTORIAL (T) This is a reading course taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-3005(6) INTRODUCTION TO ORAL HISTORY (Le, S3) This lecture/seminar course introduces students to setting up an oral history project, including preparing for, conducting and processing an interview. Students learn about the major issues and debates in oral history and related disciplines. Students who successfully complete this course will be able to set up an oral history project for their own studies as well as for museums, historical societies, and other public history institutions.

HIST-3006(3) TOPICS IN ANCIENT HISTORY (Le3) This course explores fundamental issues, specific social

institutions, key historical figures, vital events, important periods, and current directions in the study of ancient Greek and Roman history in greater detail than the history survey classes allow. The focus of study varies from year to year. Examples include Greek and Roman slavery, Perikles and the Athenian Empire, the myth of Alexander the Great, and comparative Greek and Roman historiography and biography. Emphasis is placed on the use of primary source material (in translation). Information concerning these course offerings is provided by the department of Classics.

CROSS-LISTED: Classics CLAS-3006(3).

ADDITIONAL REQUIREMENTS: At least 3 credits in any Classics course, or permission of the department of Classics.

RESTRICTIONS: This course may be repeated when the topic varies.

HIST-3101(6) HISTORY OF THE OTTOMAN EMPIRE (Le, S3) This lecture/seminar course examines the political, social, cultural, and economic dimensions of the Ottoman Empire from its inception at the beginning of the fourteenth century until its demise in 1922. The multi-faceted aspects of this course are designed to present the rich heritage of the Ottoman Empire which expanded in its heyday from the Atlantic Ocean to the Indian Ocean and from the Danube to the Nile. The course offers a comprehensive introduction to Ottoman life throughout the centuries. It also highlights the legacy of the Ottoman Empire in Europe, Asia, and Africa.

HIST-3108(3) GENDER AND MENNONITES (Le, S3) This lecture/seminar course will examine the role of women and of men in the evolving Mennonite society. It will trace these gender roles amongst the Radical Anabaptists of Western Europe, the agrarian Mennonite communities in Russia and North America, and Mennonites in modern, urban centres in North America. The course will examine patriarchal structures of Mennonite households, churches and communities, but also focus on the ways in which women create mechanisms of autonomy and meaning within those structures. The ideas that comprise Mennonite femininity and masculinity will receive special attention. Gender will also be traced through the Mennonite life cycle, commencing at childhood, and tracked through times of youth, marriage, mid-age, and retirement. The course will examine how Mennonite theological teachings, everyday language, modes of production, fertility rates, and national cultures affect ideas of gender in Mennonite society.

CROSS-LISTED: Mennonite Studies MENN-3108(3).

HIST-3110(3) RUSSIA AND THE MENNONITES (Le, S3) This lecture/seminar course deals with the history of the Mennonites in Imperial Russia and the Soviet Union from 1789 to 1989. Cultural, economic, and religious developments of the so-called 'Mennonite Commonwealth' in the nineteenth century and of the far-flung Mennonite communities in the Soviet Union during the twentieth century are emphasized and analyzed.

RESTRICTIONS: May not be taken by students with credit in the former MENN-3203(3).

CROSS-LISTED: Mennonite Studies MENN-3110(3).

HIST-3111(3) CONFLICT AND MENNONITES (Le, S3) This lecture/seminar course deals with the Anabaptist and Mennonite understanding and experience of pacifism throughout the centuries, with special emphasis on their dealings with nation-states, church schism, ethnic relations, and domestic abuse.

RESTRICTIONS: Students with standing in the former HIST-2103(3) may not receive credit for HIST-3111(3).

CROSS-LISTED: Mennonite Studies MENN-3111(3).

HIST-3112(6) MILITARISM IN THE MODERN WORLD (Le, S3) This lecture/seminar course offers an intensive examination of the interaction between military factors and

broader social forces from the French Revolution of 1789 to the present.

RESTRICTIONS: Students with standing in HIST-3104(6) may not receive credit for HIST-3112(6).

HIST-3113(6) PERSONALITIES AND MODERN REVOLUTION (Le, S3)

This lecture/seminar course examines Europe and its overseas empires in the 19th and 20th centuries. The focus will be on the origins, conduct, and impact of modern revolutions as seen through the personal experience of leaders. Revolutionary leaders such as Robespierre, Marx, Lenin, Hitler, Stalin, Mao, and de Gaulle will be studied, as well as the collective experience of their followers. Course texts include some classic novels.

RESTRICTIONS: Students with standing in HIST-3107(6) may not receive credit for HIST-3113(6).

HIST-3114(3) LATIN AMERICA AND THE MENNONITES

(Le, S3) This lecture/study course is a study of the founding and development of Mennonite communities in Central and South America. The focus is on problems European and Canadian Mennonites faced (and still face) in their attempt to establish an existence and identity in a predominantly Latin world. The course contrasts these conservative Mennonites to the more radical communities composed of indigenous Latin American Mennonites. In particular, it compares the manner in which the two groups of Mennonites have responded to the social and economic issues of Latin America.

RESTRICTIONS: May not be taken by students with credit in the former MENN-3101.

CROSS-LISTED: Mennonite Studies MENN-3114(3).

HIST-3115(6) THE HISTORY OF SPANISH AMERICAN POLITICAL CULTURE (Le, S3)

This lecture/seminar course studies the historical formation of a distinctive political culture in selected Spanish American countries by focusing on elites, natives, and women, and by making comparisons with other New World Colonial societies.

HIST-3116(3) MENNONITES AND WORLD ISSUES (Le, S3)

This lecture/seminar course studies Mennonites responses to the wider world, and examines changes that have taken place among Mennonites with regard to world issues over the course of history. These issues include: urbanization, environmentalism, poverty, mass culture, the communications revolution, the global economy and family life. An emphasis is placed on the Twentieth Century World.

RESTRICTIONS: Students with standing in MENN-3301(3) or HIST-3301(3) may not receive credit for MENN-3116(3) or HIST-3116(3).

CROSS-LISTED: Mennonite Studies MENN-3116(3).

HIST-3117(6) COLUMBUS TO CASTRO: A HISTORY OF CUBA, 1492 – PRESENT(Le, S3)

This lecture/seminar course analyses the historical evolution of Cuban society from the early colonial period, through capitalist development in the first half of the twentieth century, and to socialism after 1959. Emphasis is on the examination of the history of Cuba in the context of its relationship with the rest of the world. Emphasis is also on the national and international roots and dynamic of revolutionary change in Cuba, from the colonial period under Spain, through United States and Soviet hegemony, to the present, and includes consideration of the conditions and perspectives of various groups and social classes.

HIST-3118(3) SOUTH ASIAN DIASPORA SINCE 1800 (Le, S3)

This lecture/seminar course examines migration from South Asia (today comprising India, Pakistan, Bangladesh, Nepal, Bhutan, Sri Lanka and the Maldives) in the nineteenth and twentieth centuries. Discussions focus on different types of migration and settlement developed within the

British Empire, and the changes brought about by decolonization. The course covers labour issues including recruitment patterns, settlement patterns, establishment of educational and religious institutions, and the effect of overseas issues on nationalist politics in the colonial era. In the post-colonial period the course covers South Asian contributions to multicultural societies, labour policies, gender issues, racial discrimination and the politics of identity.

HIST-3119(3) ABORIGINAL PEOPLES AND CHRISTIAN MISSIONS (Le, S3)

This lecture/seminar course examines a selected number of spiritual encounters between peoples and Christian missionaries throughout North and South America from the time of Columbus until the twentieth century. Emphasis is placed on the early modern period (1500-1800), although some nineteenth and twentieth-century encounters may also be discussed. Topics include Catholic and Protestant missionaries; Aboriginal religions; Aboriginal resistance to missions; Aboriginal adaptations to Christianity; gender; and economic aspects of missions.

HIST-3121(3) WOMEN IN THE MODERN WORLD (Le, S3)

This lecture/seminar course will examine the varied experiences of women in a cross-cultural context, with emphasis on the transference of European ideologies of gender to a colonial setting. Students will analyze and compare notions of womanhood in modern Europe, Asia, Africa, and Latin America, and pay special attention to the agency of imperialism and colonialism in the construction of women's lives. Using primary and secondary sources, comparisons will be drawn where appropriate among different classes, regions, and times.

HIST-3125(3) TOPICS IN CONTEMPORARY LATIN AMERICAN HISTORY (Le, S3)

This course examines key issues and events in contemporary Latin American history based on the social, political, economic and cultural phenomena critical to their development. As a contemporary history course, the chronological emphasis is on the post-1945 period, while the actual topics vary each time it is offered. Students have the opportunity to engage recent Latin American history, current regional and international issues, and the factors behind them, thereby promoting an understanding of the link between current events and historical causation. Students actively engage in methods of research, analysis, and problem-solving.

HIST-3130(3) HISTORY OF INTERNATIONAL MIGRATION: THE GERMAN EXPERIENCE (Le, S3)

This course offers a survey of historical and current migration patterns, using the example of German-speaking migrants from the 18th to the 20th century. Students will explore migration processes, different types of migration, and the resulting cross-cultural encounters as well as the interaction of states and minorities. The lecture/seminar course will study Germany as a country of emigration and immigration, and discuss the existence of a German diaspora. A knowledge of German is not required.

HIST-3135(6) THE HUDSON'S BAY COMPANY AND THE MODERN DEPARTMENT STORE (Le, S3)

In this lecture/seminar course, students will examine the history of modern retail business organization, with special attention being given to the Hudson's Bay Company's urban retail stores. The extensive archives of the company will afford students an excellent opportunity to study major issues in accounting, personnel, management, and marketing. The external social and political context in which the stores operated will also be studied.

CROSS-LISTED: Business and Administration BUS-3135(6).

HIST-3140(3) ALEXANDER THE GREAT (Le3) This course looks at the life and conquests of Alexander the Great. It begins with a chronological examination of the rise of Macedon under Alexander's father, Philip II, Alexander's early life, his conquest of the Persian Empire, and ultimately, his death. Four major themes are then explored: Alexander's military and its evolution, his relationship to mainland Greece, Alexander's empire, and his divinity.

CROSS-LISTED: Classics CLAS-3310(3).
RESTRICTIONS: Students with credit in the former HIST-2105(6) may not receive credit in this course.

HIST-3141(3) THE HELLENISTIC WORLD (Le3) This course considers the political, social, and cultural development of the Hellenistic world from 323–31 BC. After an examination of the principal sources for the period and the difficulties they present, the disintegration of the empire of Alexander the Great into three separate kingdoms is explored against the background of the social, cultural, and economic upheaval that came in the wake of Alexander's death. Themes of the development of art, kingship, literature, philosophy, religion, science, and trade are considered.

CROSS-LISTED: Classics CLAS-3311(3).

RESTRICTIONS: Students with credit in the former HIST-2105(6) may not receive credit in this course.

HIST-3170(3) HISTORY OF LAW IN ISLAMIC SOCIETY

(Le, S3) This lecture/seminar course examines the formation of legal structures and practices in Islamic societies from the seventh century to the present. It explores the application and adaptation of general legal principles derived from the Quran, Hadith and Sunna in specific and changing historical contexts. Presenting an overview of the development of law in Islamic society it offers historical perspectives on such issues as the role of religious texts and the limits of interpretation in Islamic law, changes in the legal status of the family, gender relations and women, crime and punishment, modernization and European influences.

HIST-3208(3) CRUSADES AND CRUSADERS IN THE

MIDDLE AGES (Le, S3) This course explores the roots, the forms, and the consequences of crusading movements in Europe and the Mediterranean world between the eleventh and fifteenth centuries. Attention is given to the political, cultural, religious, and economic tensions and exchanges between (and within) Christianity and Islam. Along with an overview of the crusading campaigns as such, our lectures and seminars also look at the participants of these movements; the organization of the crusaders states; the struggle against heresies; the consequences of the crusades on European Jews; the Spanish Reconquista and the crusades on the Baltic Sea.

HIST-3209(3) TRAVEL AND ENCOUNTERS IN THE

MIDDLE AGES (Le, S3) This lecture/seminar course examines the geographical horizon of Medieval Europeans and their knowledge of the world through the travel accounts of merchants, explorers, pilgrims, and missionaries. The period under scrutiny encompasses the 11th to the 15th Centuries, a time when this horizon was considerably broadened, for instance, by the Crusades and the Mongol invasions. Attention is given to the development of trade routes and networks across Europe and Asia, the encounters with other peoples, and the development of a medieval imagination of the world.

HIST-3212(3) FACT, FICTION AND IMAGES:

INTERPRETING MANITOBA MENNONITES (Le3) This course introduces the student to a wide variety of historic Manitoba Mennonite writers. It includes authors of personal writings, authors or historic works from a variety of disciplines, and authors of poetry and historical fiction. This course analyzes the texts of these authors from the

perspective of history, asking what light they shed on the lived experience of Mennonites in Manitoba and how specific historical times might have informed those writings. The course suggests a broad definition of "author", recognizing that all texts are literary constructions, employing particular media to make sense of the Mennonite worlds in Manitoba.
CROSS-LISTED: Mennonite Studies MENN-3212(3).

HIST-3216(3) LUTHER, ZWINGLI AND THE RADICAL REFORMERS (Le, S3)

This lecture/seminar course deals with the relationship between the objectives and methods of the "mainline" reformers of the sixteenth century (mainly Luther and Zwingli) and those of the "radical" reformers (such as Thomas Muentzer, Andrew Carlstadt, and the Anabaptists), and assesses the historical results of this relationship.

RESTRICTIONS: Students with standing in HIST-3115(3) may not receive credit for HIST-3216(3).

CROSS-LISTED: Mennonite Studies MENN-3102(3).

HIST-3218(3) TOPICS IN THE ENLIGHTENMENT (Le, S3)

The lecture/seminar course will study the writings of the greater and lesser "philosophes" of Western Europe, from both the perspective of old-fashioned intellectual history and the new perspectives of social history.

RESTRICTIONS: Students with standing in HIST-3301(6) or HIST-3313(3) may not receive credit for HIST-3218(3).

HIST-3220(3) WOMEN IN MEDIEVAL EUROPE, 800-1350

(Le, S3) This lecture/seminar course will examine the varied experiences of women in medieval Europe. Specific themes may include such topics as women's contributions to religious life and intellectual reform, the changing political and legal status of women in feudal society, women's participation in agrarian and market economies, and the construction of gender and sexuality as class experiences in the medieval period. Using primary and secondary sources, comparisons will be drawn where appropriate among different regions and times.

HIST-3221(3) WOMEN IN THE RENAISSANCE, 1350-1550

(Le, S3) This lecture/seminar course will examine the varied experiences of women in Renaissance Europe. Fundamental to this course will be the analysis of traditional periodization as we attempt to answer Joan Kelly's question, "Did women have a Renaissance." Women of the Renaissance period will be appraised in a broad range of roles: as members of the labouring classes and as intellectuals, as queens and as paupers. Using primary and secondary sources, students will evaluate social, political, legal, and economic conditions in women's lives to determine how these variables could be interpreted in redefining the period known as the Renaissance.

HIST-3222(3) WOMEN IN EARLY MODERN EUROPE,

1550-1750 (Le, S3) From the sixteenth to the eighteenth centuries, European societies underwent some critical transformations. This lecture/seminar course will assess the impact of those major ideological changes that especially affected women's lives. Was the Protestant Reformation good for women? What was "scientific" and "revolutionary" for women about the Scientific Revolution? Using primary and secondary sources, comparisons will be drawn where appropriate among different classes, regions, and times.

HIST-3223(3) CHILDREN AND CHILDHOOD IN PRE-

MODERN EUROPE (Le, S3) This part-lecture, part-seminar course examines the place of children in pre-modern European societies. Themes such as the conceptualization of childhood, and the place of gender in inheritance, education, training, apprenticeship, and discipline of children are explored through the study of primary and secondary sources. The time frame and geographical focus may vary

from year to year, but the course content covers primarily Western Europe, c.1400-c.1700. Students are expected to read primary and secondary sources, and participate actively in course discussions.

HIST-3224(3) CRIME AND CONFLICT IN PRE-MODERN EUROPE (Le, S3) This part-lecture, part-seminar course explores the ways in which pre-modern European societies dealt with crime and conflict in the family, village, and at large. The course covers such topics as the gendered notions of crime and punishment and the evolution of judicial and policing infrastructures in pre-industrial Europe. The time frame and geographical focus may vary from year to year, but the course content covers primarily Western Europe, c.1400-c.1700. Students are expected to read primary and secondary sources, and participate actively in course discussions.

HIST-3225(3) SLAVES, SERFS, AND SERVANTS IN PRE-MODERN EUROPE (Le, S3) This part-lecture, part-seminar course examines the multi-faceted dimensions of servility in pre-modern Europe. Through the lens of primary and secondary sources, students will gain an appreciation for the varied mechanisms under which women and men, young and old, were indentured in pre-industrial societies, and develop a critical understanding of the ideologies that justified the categorization of humankind along their servile status. The time frame and geographical focus may vary from year to year, but the course content covers primarily the institutions of slavery and other forms of servitude in Western Europe, c.1400-c.1700. Students are expected to read primary and secondary sources, and participate actively in course discussions.

HIST-3310(3 or 6) TOPICS IN MODERN UKRAINIAN HISTORY (Le, S3) This course examines selected topics in Ukrainian history from 1800 to the present. Actual topics discussed vary from year to year. They include: transformations of Ukrainian nationalism and national identity in the East European context; Ukrainian territories in nineteenth century Habsburg and Romanov Empires; military, social and political dimensions of World War I and World War II in Ukraine; social change and identity in Soviet Ukraine; culture and politics of the post-Soviet transformation. The course consists of both lectures and seminars; in-class discussions based on readings constitute an important component of the course.
RESTRICTIONS: Students with standing in HIST-2320(3) may not receive credit for HIST-3310(3).

HIST-3314(6) RECENT EUROPEAN HISTORY (Le, S3) This lecture/seminar course concentrates on the turbulent period between the Franco-Prussian War and the Second World War, and deals with both domestic and international history. Domestic themes, drawn from across the continent, include industrialization, nationalism, church-state relations, socialism and anarchism, racism, and fascism. International themes include imperial rivalries, arms races, war avoidance and peacemaking.
RESTRICTIONS: Students with standing in HIST-3303(6) may not receive credit in HIST-3314(6).

HIST-3315(6) EUROPEAN POWER POLITICS (Le, S3) This is a lecture/seminar course in European foreign relations in the 19th and 20th centuries. The effects of economics, ideologies, revolutionary movements, personalities, and military planning will be investigated.
RESTRICTIONS: Students with standing in HIST-3308(6) may not receive credit for HIST-3315(6).

HIST-3317(3) TOPICS IN RUSSIAN AND SOVIET HISTORY (Le, S3) This lecture/seminar course will cover

selected topics in Russian and Soviet history. Topics may be drawn from political, social, or economic history.

HIST-3320(3) TOPICS IN RUSSIAN INTELLECTUAL HISTORY (Le, S3) This lecture/seminar course will analyze political and social ideas in nineteenth- and twentieth-century Russia. Individual works by authors such as Dostoevsky, Tolstoy, and Solzhenitsyn will be discussed. Issues such as social philosophy, political philosophy, and attitudes towards Russian identity will be studied.

HIST 3406(6) COLONIALISM AND NATIONALISM IN INDIA (Le, S3) Using several disciplinary perspectives, this course examines the history of colonial India from the period of first contact with Europeans to the partition of the subcontinent in 1947. Topics include the colonization by European powers, the structures and processes of colonialism, resistance to colonialism, the emergence of nationalism, nationalist leadership, and partition.
RESTRICTIONS: Students with standing in the former HIST-3706(6) may not receive credit for HIST-3406(6).

HIST-3408(3) WOMEN'S HISTORY IN SOUTH ASIA (Le, S3) This lecture/seminar course examines selected aspects of women's history in South Asia in the period c. 1750 to the present. Issues covered include the social history of women's roles within the family and the kin network, women's labour, women and religion, women's education, women and politics, and the movement for women's rights.
RESTRICTIONS: Students with standing in the former HIST-3708(3) may not receive credit for HIST-3408(3).

HIST-3515(6) MATERIAL CULTURE IN THE HISTORY OF THE ABORIGINAL PEOPLES OF CANADA (Le, S3) This lecture/seminar course traces Canadian Aboriginal history from pre-contact times to the early 20th century through a close examination of Aboriginal and fur trade material culture. Throughout the course of the fur trade Aboriginal people and Europeans exchanged and adopted various technologies. These exchanges were of critical importance in shaping relations between Euro-American traders and Aboriginal peoples. This course explores various ways in which Aboriginal and European technologies complemented each other and highlights the non-material meanings associated with particular artefacts. We examine the social, cultural and spiritual connotations that Aboriginal artefacts held and that European-introduced technologies and materials acquired.
CROSS-LISTED: Anthropology ANTH-3515(6).

HIST-3518(3) HISTORY OF THE ABORIGINAL PEOPLES OF THE NORTHERN PLAINS (Le, S3) This lecture-seminar traces the history of Aboriginal Peoples on the Northern Plains from the pre-contact period to the mid 20th century on both sides of the present Canadian-U.S. border. Ancient plains cultures, the introduction of European technologies, the fur trade, struggles for regional dominance and control over resources, advancing European settlement, and the establishment of reservations/reserve constitute the major topics of this lecture seminar. In a comparative approach, this course explores critical differences and similarities in Aboriginal history on both sides of the Canadian and US border.
CROSS-LISTED: Anthropology ANTH-3127(3).

HIST-3519(3) ABORIGINAL PEOPLES AND TREATIES (Le, S3) This course examines treaties and treaty-making between indigenous peoples and European colonial powers and their successor states from the early colonial period to the late nineteenth century. Topics include European claims to the Americas, European and indigenous ways of treaty making, indigenous concepts of land-ownership, United States and Canadian treaty policies, treaty making in

Australia and New Zealand, and the enduring struggles for treaty rights by indigenous peoples. A number of treaties are analyzed in class as historical documents.

HIST-3522(3) ABORIGINAL PEOPLES OF ARCTIC CANADA (Le3) This course focuses on the Inuit and their ancestors, inhabitants of Canada's Arctic and adjacent regions for nearly 5000 years. It examines the origins and development of their pre-and post-contact culture in light of archaeological and ethnographic evidence, with emphasis on regional variations in subsistence and settlement patterns, social organizations, intellectual life, and contact with Euro-Canadian institutions, ideas, and state policy. The course concludes by considering Inuit culture identity in the 21st century.

RESTRICTIONS: Students may not receive credit for both ANTH-2118(3) AND ANTH-3120(3).

CROSS-LISTED: Anthropology ANTH-3120(3).

HIST-3523(3) ABORIGINAL WOMEN'S TWENTIETH CENTURY HISTORY (Le, S3) This course examines Métis, Inuit and First Nations women's history in Canada. The course covers a variety of themes, including Indigenous women's health, labour and education history; histories of sexual, legal, and social regulation of Indigenous women; and formal, informal, local and national women's organizations. Students also engage in historical interpretation of a variety of different kinds of historical evidence and consider the creative work of Indigenous women in diverse cultural fields including art, film, music and literature.

CROSS-LISTED: Indigenous Studies IS-3523(3), Women's and Gender Studies WGS-3523(3).

HIST-3525(3) HISTORY OF THE MÉTIS IN CANADA (Le,S3) This lecture/seminar course traces the history of people of mixed Aboriginal/European descent from their origins in New France and the fur trade to the modern period. Special attention is given to family and community history. Comparative studies help us understand why a Métis political and ethnic consciousness develops in some settings but not in others.

HIST-3526/HIST-4526(3) ETHNOHISTORIC METHODS AND THEORY (Le, S3) Ethnohistory combines ethnographic and historical methods to study changes in cultures over time. In this course students gain a theoretical understanding of ethnohistory through a series of readings that explore differences between oral and written texts. They also gain a practical understanding of the discipline through the transcription of an oral text, which is contextualized through library and/or archival research. Honours study at the 4000 level requires independent work and advanced engagement with the discipline.

RESTRICTIONS: Students may not receive credit for both HIST-3526(3) and HIST-4526(3).

CROSS-LISTED: Anthropology ANTH-3117/ANTH-4117(3).

HIST-3528(3) HISTORY OF EASTERN AND SUBARCTIC ALGONQUIAN PEOPLES (Le, S3) This lecture/seminar course traces the histories of eastern and subarctic Algonquian peoples from the Powhatans and Mi'kmaq to the Ojibwe and Cree, from earliest times to the early twentieth century. Oral records, documentary sources, and secondary materials are used to present and juxtapose Aboriginal and European perspectives throughout the course. Topics include group origins, languages, gender relations, and cultural, political, and social history, as well as the effects of contact and governmental policies.

CROSS-LISTED: Anthropology ANTH-3528(3)

HIST-3532(3) HISTORY OF THE IROQUOIAN PEOPLES (Le, S3) This lecture/seminar course examines the history

of the Iroquoian peoples in Eastern North America from the precontact time until the present. Emphasis is placed on the Iroquois Confederacy and the Huron (Wendat) peoples living in Canada and the United States. Topics include the origins of the Iroquois Confederacy, the fur trade and Christian missions, the Iroquois Wars and the destruction of Huronia in 1649, the dispersal and migration of Iroquois and Huron communities through the Great Lakes region and the Saint Lawrence Valley, and the influence of the Canada-US border on Iroquois communities.

CROSS-LISTED: Anthropology ANTH-3128(3).

HIST-3540(6) CRITICAL ISSUES IN THE HISTORY OF CANADIAN POLITICS, NATIONALISM, AND INTERNATIONAL RELATIONS (Le, S3) This lecture/seminar course will address the development of Canadian nationhood through the examination of such critical issues as the following: the Canadian political tradition and its British and American heritage; changing constitutional relationships between colony and empire and between Dominion and provincial governments; Canadian-American relationships and the implications of defence and strategic concerns for nationhood.

HIST-3541(3) MENNONITES IN CANADA (Le, S3) This lecture/seminar course will survey major developments in Canadian Mennonite communities from 1786 to the present. It will trace the following themes: the Swiss American and Russian roots of Canadian Mennonites; community formation in Ontario and Western Canada; Anabaptism in everyday life (especially the way it was played out in the family); theological developments in the late 19th and 20th centuries; the survival of Mennonite faith distinctive in the urban and socially integrated Canadian society since World War II. Special emphasis will be placed on establishing the unique features of Canadian Mennonite experience.

CROSS-LISTED: Mennonite Studies MENN-3541(3).

HIST-3542(6) GENDER, CLASS, AND ETHNICITY IN CANADIAN HISTORY (Le, S3) Lectures and seminars in this course will examine how gender, social class, and ethnicity have influenced Canadian history. Topics will include the evolution of gender relations, emergence of social and political movements, and the complexities of ethnic and racial relations in Canada.

RESTRICTIONS: Students with standing in the former HIST-3530(6) may not receive credit for HIST-3542(6).

HIST-3544(6) HISTORY OF WINNIPEG (Le, S3) This lecture/ seminar course examines the history of Winnipeg from the mid-nineteenth century to the present. The lectures and seminars will focus on the industrial, social, political, and cultural history of the city and explore this past within the context of the history of western Canada.

RESTRICTIONS: Students with standing in the 3 credit hour course History of Winnipeg, either as the former HIST-3551(3) or HIST-3511(3), may not enrol in this course without permission of the instructor.

HIST-3545(6) HISTORICAL PERSPECTIVES ON WOMEN IN CANADA (Le, S3) This lecture/seminar course explores themes in North American women's and gender history, with particular emphasis on the Canadian context. The course will chart the evolution of women's/gender history and examine women's lives in the past. Students will analyse the practice and politics of writing history and the challenges of documenting and writing women's lives.

RESTRICTIONS: Students with standing in the former HIST-3599(6) may not receive standing for HIST-3545(6).

HIST-3548(6) ALTERNATIVE VISIONS: REBELS AND REVOLUTIONARIES IN CANADIAN (Le, S3) This lecture/seminar course examines critically the cultural, social

and organizational development of the anarchist, feminist, labour, and socialist movements of late nineteenth and twentieth century Canada. Topics include the origins of the first workers' movements; the history of the One Big Union and the Winnipeg General Strike; early feminist organizations, including the Women's Labour League; the founding of communist, socialist, and labourist parties; the Progressive Arts Movement & conflicts with the state in the 1930s; Student and Women's movements in the 1960s; Nuclear Disarmament Campaigns; and the emergence of the social justice/anti-globalization movements.

HIST-3552(6) REGIONALISM AND THE HISTORY OF THE CANADIAN WEST (Le, S3) By examining the history of the Canadian West from 1870 to the present, this lecture-seminar course will explore the establishment and reproduction of a system of political economy which has created regional disparities in Canada. Consideration will be given to the process of capitalist development and the role of government policy in promoting and redressing disparities. Also, attention will be directed to the emergence of regionalism as an ideology. Where appropriate, comparisons will be drawn between the experiences of western Canada and those of other regions of the country, as well as with the American West.

RESTRICTIONS: Students with standing in the former HIST-3550(6) or HIST-3551(3) may not receive standing for HIST-3552(6).

HIST-3561(3) GERMAN-CANADIAN IDENTITY - HISTORICAL PERSPECTIVES (Le, S3) This lecture/seminar course will explore questions of ethnic identity, using the example of German Canadians. While students will develop their individual research projects related to the broader issue of ethnicity, class discussion will focus on the historical presence of German speakers in Canada, their settlement patterns, their relationship to political culture and the Canadian state, and perceptions and self-images of German Canadians. A knowledge of German is not required.

RESTRICTIONS: Students with standing in the former HIST-3560(6) may not receive credit for HIST-3561(3).

HIST-3570(3 or 6) THE FAMILY IN CANADIAN HISTORY (Le, S3) This course traces changes in Canadian family life and ideals over the nineteenth and twentieth centuries, considering the impact of economic, legal, and cultural change and the influence of state policy, consumer culture and immigration. It examines the changing nature of marriage, family economies, access to birth control, and ideals of parenting. It explores not only ideals of family life, but also the experience and treatment of those who deviated from these ideals. The course gives equal time to lectures and to class discussion and, as such, depends on the active and regular participation of students.

HIST-3571(3) HISTORY OF FEMINISM IN CANADA (Le, S3) This course examines the history of feminism, focusing on the Canadian experience set within the broader context of North America and the West. It considers the changing goals, methods of organizing, adherents, societal responses and impact during each of the three "waves" of feminism. It explores biographical history of key Canadian and Western feminists. The course gives equal time to lectures and to class discussion and, as such, depends on the active and regular participation of students.

CROSS-LISTED: Women's and Gender Studies WGS-3571(3).

HIST-3572(3 or 6) HISTORY OF CHILDHOOD IN CANADA (Le, S3) This course traces the history of childhood in Canada from the pre-industrial period to the late-twentieth century. It explores how new ideals of childhood which emerged in the late-nineteenth century differed from those

existing previously and how an ideal of the child as dependent and in need of careful nurture and protection gradually took hold. It explores these subjects via a consideration of a number of issues which, from year to year, may include: work, schooling, health, adoption, delinquency, recreation, and the emergence of children as a target consumer market.

HIST-3590(3) INDIGENOUS HEALTH HISTORY (Le, S3) This course introduces students to Indigenous health history focusing primarily on First Nations, Inuit and Métis experiences. Historical case studies will be drawn from the seventeenth to the twentieth centuries with a special emphasis on the impact of colonization on Indigenous medicine and Indigenous health in Canada.

CROSS-LISTED: Indigenous Studies IS-3590(3)

HIST-3603(3) UNITED STATES, 1878-1929 (Le, S3) This lecture/seminar course will treat major political changes in the period from the end of Reconstruction to the stock market crash of 1929. In addition to studying styles of political leadership, the social and cultural basis of politics will be explored. The concluding unit will discuss the "prosperity decade" of the 1920s.

HIST-3604(3) UNITED STATES, 1929-1988 (Le, S3) This lecture/seminar course will treat the grand themes of reform and conservatism in American politics from the Great Depression to the Reagan era. Various forms of social protest will also be explored, as will selected themes in diplomatic history. The studies will conclude with the presidency of Ronald Reagan.

HIST-3611(6) COLONIAL AMERICA, 1492-1783 (Le, S3) This lecture/seminar course examines the American Colonies from their earliest beginnings to the Treaty of Paris. It examines the process of colonization; the development of societies in the American colonies; the colonies' role in the British Empire and the causes and consequences of the American Revolution.

RESTRICTIONS: Students with standing in HIST-3601(6) may not receive credit for HIST-3611(6).

HIST-3612(3) RELIGION IN AMERICAN HISTORY (Le,S3) This lecture/seminar course is a survey of religious thought, influence, and institutions in American life that ranges from the Puritan and Quaker societies of Colonial America to the cults and sects of the present; the effects on society of both the large mainstream churches and the small unconventional ones.

RESTRICTIONS: Students with standing in HIST-3605(3) may not receive credit for HIST-3612(3).

HIST-3703(3) SOUTH AFRICA IN THE MODERN WORLD (Le,S3) This course is an analysis of the political, economic, and social determinants of apartheid in the twentieth century.

HIST-3704(3) WEST AFRICA IN THE TWENTIETH CENTURY (Le,S3) This course offers selected studies in the development of new states from the beginnings of colonial rule to the present. Emphasis will be placed upon Ghana and Nigeria as models of the decolonization and independence experience.

HIST-3807(6) TOPICS IN TWENTIETH CENTURY CANADIAN ART (Le,S3) This is an advanced lecture/seminar course examining various areas in twentieth-century Canadian art. We will address issues such as the taxonomy of style - realism, abstract expressionism, minimalism; problems of value - dealers, galleries, craft, design and electronic imaging; and the politics of art - feminism, regionalism, First Nations, ethnicity, ordinary

people and government funding. The first part of the course will cover issues that affect the country as a whole, within the global context. Assignments will be focused on art historical writing and criticism. The latter part of the course will deal with Manitoba's culture, particularly unknown and forgotten women artists. This will involve individual student projects and primary research in local archives and collections.

RESTRICTIONS: Students with standing in HIST-3820(3) or HIST-3821(3) may not receive credit for HIST-3807(6).

HIST-3809(6) NINETEENTH-CENTURY ART IN CONTEXT (1776-1900) (Le, S3)

This lecture/seminar course will focus on the major artistic movements of Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism within the context of the social and political upheavals of the nineteenth century. We will explore the relations between popular culture and the fine art of the ruling class, between ideology and artistic practice, between the revolution of the avant-garde and of the people, and among industry, exploitation, and empire, and between women as artists and as subjects of art.

RESTRICTIONS: Students with standing in HIST-3804(6), HIST-3817(3) or HIST-3818(3) may not receive credit for HIST-3809(6).

HIST-3810(6) ART OF THE TWENTIETH CENTURY (1900 to the present) (Le, S3)

We will examine the development of abstraction and expression in art from 1900 to the present, particularly the relation of artistic movements to the political and historical context. The roles of war, sexuality, money, and the cult of personality in the production and reception of art will be addressed within a framework of critical analysis, including formalism, Marxism, the feminist critique, and post-modern deconstruction. A wide range of media will be explored including the arts of film, dance, sculpture, painting, and architecture.

RESTRICTIONS: Students with standing in HIST-3819(3) or HIST-3820(3) may not receive credit for HIST-3810(6).

HIST-3811(6) WOMEN, ART, AND SOCIETY (Le, S3) This lecture/seminar course will consider the new approaches offered by critical theory, psychology, postmodernism, and feminism to the practice of art history and to the history of art in a wide selection of different cultures and periods. The role of women in the production of art will be re-evaluated, the rediscovery of forgotten arts and women artists will be studied, and the representation of women in art will be analyzed. The creative process, art history as a discipline, and the role of art in society from traditional craft and "fine" art to film and advertising will be explored in the light of women's experience.

HIST-3813(3) ART HISTORY IN FOCUS I (Le, S3) This lecture/seminar course offers students the opportunity for intensive study of a single artist's work or artistic movement on whose work there is a significant body of art historical writing and criticism. Each time the course is offered the name of the artist or movement in focus will be listed in the Timetable.

HIST-3814(3) ABORIGINAL ARTS (Le, S3) This lecture/seminar course offers an introduction to the arts of Aboriginal peoples with a focus on contemporary First Nations art in Canada. Students explore critical approaches to the social and political issues surrounding tradition, appropriation, modernity, and personal identity in our survey of visual art. Forms examined may include painting, sculpture, print making, installation, dance, music, theatre, new media, and performance. Local artists, exhibitions, and collections offer students first-hand experience of current First Nations and Métis art production in Manitoba.

HIST-3816(6) ART AND ARCHITECTURE OF

PILGRIMAGE (Le, S3) This course is an introduction to the history of pilgrimage art and architecture from the Middle Ages to the Modern era. Medieval and Post-Medieval pilgrimages are used as a laboratory for investigating the topic of the journey to a shrine for the realization of spiritual benefits or the fulfilment of personal motives. Class discussions and lectures on the experience of pilgrimage and its visual ways of expression might include: the major pilgrimages to Christian, Muslim, Hindu and Jewish sites, and the later pilgrimages to North-American shrines.

HIST-3817(3) NINETEENTH-CENTURY ART IN CONTEXT I (1776-1870) (Le, S3)

This lecture/seminar course will include the Neoclassical, Romantic, and Realist movements in art, concluding with the early experiments of the Impressionists. We will explore the relations between popular culture and the fine art of the ruling class, between ideology and artistic practice, between the revolution of the avant-garde and of the people, and among industry, exploitation, and empire, between women as artists and as subjects of art.

RESTRICTIONS: Students with standing in HIST-3804(6) or HIST-3809(6) may not receive credit for HIST-3817(3).

HIST-3818(3) NINETEENTH-CENTURY ART IN CONTEXT II (1870-1900) (Le, S3)

This lecture/seminar course will include the Post-Impressionist and Symbolist movements in art, from Gauguin and Seurat to Cezanne and early Picasso. We will explore the relations between popular culture and the fine art of the ruling class, between ideology and artistic practice, between the revolution of the avant-garde and of the people, and among industry, exploitation, and empire, between women as artists and as subjects of art.

RESTRICTIONS: Students with standing in HIST-3804(6) or HIST-3809(6) may not receive credit for HIST-3818(3).

HIST-3819(3) ART IN THE TWENTIETH CENTURY I (1900-1945) (Le, S3)

We will examine the development of abstraction and expression in art from 1900 to 1945, particularly the relation of artistic movements to the political and historical context. The roles of war, sexuality, money, and the cult of personality in the production and reception of art will be addressed within a framework of critical analysis, including formalism, Marxism, the feminist critique, and post-modern deconstruction. A wide range of media will be explored, including the arts of film, dance, sculpture, painting, and architecture.

RESTRICTIONS: Students with standing in HIST-3810(6) may not receive credit for HIST-3819(3).

HIST-3820(3) ART IN THE TWENTIETH CENTURY II (1945 TO THE PRESENT) (Le, S3)

We will examine the development of abstraction and expression in art from 1945 to the present, particularly the relation of artistic movements in art to the political and historical context. The roles of war, sexuality, money, and the cult of personality in the production and reception of art will be addressed within a framework of critical analysis, including formalism, Marxism, the feminist critique, and postmodern deconstruction. A wide range of media will be explored, including the arts of film, dance, sculpture, painting, and architecture.

RESTRICTIONS: Students with standing in HIST-3810(6) may not receive credit for HIST-3820(3).

HIST-3821(3) TOPICS IN TWENTIETH-CENTURY CANADIAN ART I (ISSUES) (Le, S3) This is an advanced lecture/seminar course examining various areas in twentieth-century Canadian art in a global context. We will address issues such as the taxonomy of style - realism, abstract expressionism, minimalism; problems of value - dealers, galleries, craft, design and electronic imaging; and the politics of art - feminism, regionalism, First Nations, ethnicity, ordinary people, and government funding. This course will cover issues that affect the country as a whole, within the global context. Assignments will be focused on art historical writing and criticism.

RESTRICTIONS: Students with standing in HIST-3807(6) may not receive credit for HIST-3821(3).

HIST-3822(3) TOPICS IN TWENTIETH-CENTURY CANADIAN ART II (RESEARCH PROJECT) (Le, S3) This is an advanced lecture/seminar course examining various areas in twentieth-century Canadian art in a global context. We will address issues such as the taxonomy of style - realism, abstract expressionism, minimalism; problems of value - dealers, galleries, craft, design and electronic imaging; and the politics of art - feminism, regionalism, First Nations, ethnicity, ordinary people, and government funding. This 3 credit hour course will focus on Manitoba's culture, particularly unknown and forgotten women artists. This will involve individual student projects and primary research in local archives and collections.

RESTRICTIONS: Students with standing in HIST-3807(6) may not receive credit for HIST-3822(3).

HIST-3824(3) HISTORY AND THEORY OF DANCE AND ART (Le, S3) Dance is a visual art that lives in both time and space. We will explore the social, historical and aesthetic relationships of dance to other art forms such as painting, sculpture, architecture, performance, and video from antiquity to the present. Differences of class, gender and culture as well as questions of identity and the body will be central to our study.

HIST-3825(6) THEORIES AND METHODS FOR ART HISTORY (Le,S3) This lecture/seminar course explores various traditional art historical and critical approaches to the study of art including visual analysis, biography, iconography, and more recent theories such as historiography, feminism, and postmodernism. Museums, galleries, and the art market as well as techniques and conservation are also considered. Research methods for art historians are put into practice in written assignments and, whenever possible, field trips to local sites and exhibitions take place during class time.

HIST-3826(3) ART HISTORY IN FOCUS II (Le, S3) This lecture/seminar course offers students the opportunity for intensive study of a single artist's work or artistic movement on whose work there is a significant body of art historical writing and criticism. Each time the course is offered the name of the artist or movement in focus will be listed in the Timetable.

HIST 3829(3) MODERN ARCHITECTURE AND DESIGN (Le, S3) This course examines the major monuments, architects, and theories of nineteenth and twentieth century architecture, urbanism, landscape design and interior design. The discussion topics include the architectural responses arising from the issues of "Modernity" such as industrialization, new technologies, nationalism, and constructs of "nature".

HIST 3831(3) ISLAMIC ART AND ARCHITECTURE (Le, S3) This course examines Islamic art and architecture from the rise of Islam in the seventh century to the nineteenth century, concentrating on the period 1250-1800. The course

also considers cross-cultural influences and contrasts between the Islamic world and Europe. Topics include the 'reluctance' towards figural imagery, regional mosque architecture, and book illumination. Dynasties include Timurid, Safavid, Ottoman, Mamluk, and Mughal.

CROSS-LISTED: Religious Studies: REL 3712(3)

HIST-3840(3 or 6) SEVENTEENTH CENTURY ART (Le3, SV) This course explores the visual arts of Italy, France, England, Spain, and the Netherlands against the background of the social, economic, political and religious change in the seventeenth century. Some of the topics we consider include the position of women artists, the cultural effects of colonialism, the natural sciences, art collecting and the emergence of the art market.

RESTRICTIONS: Students with standing in HIST-3803(6) may not receive credit for HIST-3840(3).

HIST-3841(3 or 6) ARTS OF THE MIDDLE AGES (Le3, SV) This lecture/seminar course is an introduction to the study of medieval art and architecture in Europe, from the demise of Late Antique traditions up to the Renaissance. In the context of a thematic survey, students are introduced to the terminology, methods, materials, subject matter and function of medieval art and architecture. Since the largest proportion of surviving materials is religious, this includes a firm grounding in the medieval Christian tradition and the nature of the prominent institutions of Church and State. Secular art is considered where possible or appropriate, and broader issues of material culture are explored.

HIST-3842(3 or 6) ITALIAN RENAISSANCE ART (Le3, SV) This lecture/seminar course is an introduction to the study of Italian Renaissance art and architecture in the context of the social, political and economic circumstances of this time. This course traces the history of painting, sculpture and architecture of the mid-14th to the 16th century. More specific topics explore the virtuosity and philosophies of realism, the discovery of linear perspective, the artists' social and intellectual status, art patronage, and gender issues (women artists and women's art patronage). Some artists/art patrons are considered more in depth, such as Leonardo da Vinci, Michelangelo, and Isabella d'Este, among others.

HIST-3843(3 or 6) NORTHERN RENAISSANCE ART (Le3, SV) This lecture/seminar course is an introduction to the study of art and architecture of the mid-14th to the 16th century Northern regions of Western Europe (France, England, Germany and the Netherlands) in the context of the social, political and economic circumstances of this time. More specific topics should capture our attention, such as the development of panel and manuscript paintings, prints, the rise of realism and secular subjects in the arts, the transformation of the artist's status and art patronage.

HIST-3901(3) THE SCIENTIFIC REVOLUTION (Le, S3) This lecture/seminar course is a study of early modern natural philosophy. Scientific developments from 1540 to 1700 will form the subject matter, but additional themes include the following: the changing relationship between science and other forms of knowledge such as philosophy, magic, and theology; and the social significance of science in the early modern period.

RESTRICTIONS: Students with standing in the former HIST-2905(3) or HIST-3905(3) may not receive credit for HIST-3901(3).

HIST-3902(3) THE DARWINIAN REVOLUTION (Le, S3) This lecture/seminar course examines the genesis, development, and assimilation of Charles Darwin's theory of evolution by natural selection. Topics include the historical sciences (e.g., geology, paleontology) before Darwin, pre- and non-Darwinian theories of evolution, the sources of

Darwin's theory; and the social, scientific, and religious legacy of Darwin.

RESTRICTIONS: Students with standing in the former HIST-2906(3) and HIST-3906(3) may not receive credit for HIST-3902(3).

HIST-3903(3) CLASSICAL AND MEDIEVAL SCIENCE (Le, S3) This lecture/seminar course examines the theories, experiments, and calculations of Greek, Roman, and European scientists before the Scientific Revolution of the seventeenth century. As well as considering the work of the major contributors to astronomy, physics, and mathematics in this period, the course will place their ideas and the work of the schools of Greece, Rome, and medieval Europe within their social, cultural, and intellectual contexts.

RESTRICTIONS: Students with standing in the former HIST-3211(3) may not receive credit for HIST-3903(3).

CROSS-LISTED: Classics CLAS-3090(3).

HIST-3904(3) THE EINSTEINIAN REVOLUTION (Le, S3)

This lecture/seminar course is an introduction to the history of physics and cosmology in the twentieth century with particular attention given to the role of Albert Einstein. Emphasis will be placed upon the origin, exposition and development of Einstein's Relativity Theory and the rise of Quantum Physics (particularly the debate between Einstein and Niels Bohr over its physical interpretation).

RESTRICTIONS: Students with standing in the former HIST-2908(3) may not receive credit for HIST-3904(3).

HIST-3913(3) THE HISTORY OF DISEASE (Le, S3) This lecture/seminar course surveys humanity's experiences with disease and analyzes its historical study. The course emphasizes epidemic diseases though non-infectious diseases are also considered. The objective is to examine, through the lens of history, popular and medical constructions of disease, the pattern of disease and its impact in any given society, and the medical, social, and cultural responses to it.

HIST-4000(3) TUTORIAL (S3) This is a reading course by individual senior students with the Instructor of their choice.
PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4100(6) TUTORIAL (T) This is a reading course in World History taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4103(6) COLONIZATION AND THE AGE OF MODERNITY IN LATIN AMERICA (S3) This course examines the relationship between modernity and colonization in Latin America. It addresses how modern Latin American societies are shaped by their experiences under colonialism. It also examines the relationship between globalization and developments in Latin America at the regional, national, and local levels.

HIST-4111(6) FRONTIERS AND BORDERLANDS (S3) This seminar course uses the concepts of frontiers and borderlands to analyze relations between indigenous peoples and expanding empires in world history. After a discussion of the historiography of frontiers and borderlands we will apply these concepts to Ancient Rome, China, the Eurasian steppe, South Africa, the Americas, and Australia. Considerable attention is given to the creation and persistence of borderlands in North America. Finally, the course discusses the many ways in which frontiers and borderlands are presented in literature, art, film, and public history.

HIST-4112(6) HISTORY OF THE ATLANTIC WORLD (S3)

This seminar uses the concept of an Atlantic World to examine the connections between Europe, the Americas, and West Africa from the first wave of European overseas expansion (1450-1500) to the Age of the Atlantic Revolutions (1775-1825). Topics may include the concept of Atlantic history, cultural contacts, religious exchanges, slavery and the slave trade, ecology and environment, commerce, migration, women and gender, and political ideas.

HIST-4113(6) SLAVERY IN THE AMERICAS (S3) This course examines selected topics in the history of black enslavement and race relations in the United States, the West Indies, and Brazil from 1600 to the present.

RESTRICTIONS: Students with standing in HIST-4102(6) may not receive credit for HIST-4113(6).

HIST-4121(6) SEX, RACE, AND GENDER IN THE EARLY MODERN PERIOD (S3)

This seminar deals with the history of ideas about humankind in the early modern period, c.1450-1650. Through readings of primary and secondary sources, students examine the theoretical frameworks in the early modern period used in the classification of human beings, especially in reference to sexuality, race, and gender, with links made to other social constructs of differentiation, including socio-economic rank or station, and religion. The seminar explores these ideas in the context of early overseas colonization.

RESTRICTIONS: Students with standing in HIST-4217(6) may not receive credit for HIST-4121(6).

HIST-4130(6) HISTORY AND MEMORY (S3) This seminar examines the field of memory studies through a comparative transnational survey (with a focus on Canada, USA, and Germany). Memory studies asks not 'What happened in the past?' but rather: 'How did individuals and groups remember the past?' To answer this question, historians study oral history and other forms of informal communication, formal history education, museums, monuments, film, photography. Students learn about major concepts such as historical consciousness; narrativity; collective memory; public history; culture and politics of history, including "history wars."

HIST-4200(6) TUTORIAL (T) This is a reading course in Pre-Industrial Europe by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4210(6) CHURCH AND STATE IN MEDIEVAL EUROPE (S3)

This course examines selected problems in the various types of relationship of ecclesiastical and feudal governments in Western Europe during the Medieval period, with emphasis upon Augustinian ideas, the examples of Charlemagne, and the struggles over episcopal investiture.

RESTRICTIONS: Students with standing in HIST-4201(6) and HIST-4310(6) may not receive credit for HIST-4210(6).

HIST-4213(6) TOPICS IN EARLY MODERN WOMEN'S HISTORY (S3)

This senior seminar deals with the history of women in early modern Europe, c.1450-1650. Through the examination of selected topics in women's history, students explore an array of theoretical and methodological approaches. The seminar treats various themes in women's history such as marriage/widowhood law, economy, politics and religion.

RESTRICTIONS: Students with standing in HIST-4120(6) may not receive credit for HIST-4213(6).

HIST-4218(6) TOPICS IN MEDIEVAL CULTURE (S3)

This seminar studies selected aspects of the cultural, social and religious life during the Middle Ages. Topics may include the popular and scholarly knowledge of and beliefs concerning

the world and humanity, the transmission of this knowledge, the place of humankind in the world and the role of the Church in society.

HIST-4300(6) TUTORIAL (T) This is a reading course in Modern European History taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4315(6) EUROPE IN CRISIS, 1914-1945 (S3) In this course students will select topics in the history of Europe from World War One to the end of World War Two. Topics may range from intellectual and cultural, through military and diplomatic, to economic and political.

RESTRICTIONS: Students with standing in HIST-4304(6) may not receive credit for HIST-4315(6).

HIST-4317(6) STUDIES IN MODERN RUSSIAN HISTORY (S3) This course studies modern Russian History, examining the social, political, economic, and intellectual development of Russia since 1700 within a specific time period to be determined by the instructor.

RESTRICTIONS: Students with standing in HIST-4301(6) may not receive credit for HIST-4317(6).

HIST-4703(6) POSTCOLONIAL INDIA (S3) This course examines aspects of Indian history in the period since 1947. Issues include the partition of the sub-continent in 1947, the period of Nehruvian socialism, the rise of the Hindu right, dalit politics, aboriginal/tribal secessionist movements, rural and urban poverty, environmental issues, the feminist movement, modern Indian art, architecture and cinema, labour and industrialization, education and economic liberalization.

HIST-4500(6) TUTORIAL (T) This is a reading course in Canadian History taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4530(6) ADVANCED STUDIES IN CANADIAN SOCIAL HISTORY (S3) Seminars in this course will address the interpretations and debates that have arisen in the literature on Canadian social history. Students will also undertake a research project using primary sources to explore a problem of relevance to the course. Topics will include ethnic and native history; social classes, business and labour history; the history of the family, women, and gender relations; and cultural and intellectual history. Please see the Department for a specific course description.

HIST-4535(6) IMMIGRATION AND ETHNICITY IN CANADA AND THE UNITED STATES (S3) This research seminar examines the history of immigration to North America between 1860 and 1960. The course focuses on the nature of migration patterns and the adaptation of immigrants to the new world, especially the rise of ethnic identities. The course discusses the similarities and differences in the Canadian and American immigrant experience.

CROSS-LISTED: Mennonite Studies MENN-4535(6).

HIST-4570(6) ABORIGINALS AND NEWCOMERS IN ENCOUNTER: SELECTED TOPICS (S3) This seminar will explore social and cultural interactions among Euro-Canadians and Aboriginal peoples, paying particular attention to Subarctic fur trade and mission contexts. After sampling recent writings in ethnohistory and Aboriginal history, the course will draw on archival, visual, and oral records to offer some first-hand experience in dealing with primary source materials in this field of study.

CROSS-LISTED: Anthropology ANTH-4105(6).

HIST-4580(6) THE INTERPRETATION OF CANADIAN HISTORY: HISTORIOGRAPHICAL ISSUES (S3) This seminar will discuss the ways in which the interpretation of Canadian history has changed from the mid-nineteenth century to the present. More specifically, the course will explore the implications which contemporary inquiries into class, race, and gender as forces in history have for national interpretations. Can the rise of the nation state be sustained as the most appropriate paradigm for the study of the Canadian experience in light of recent historiographical debates?

HIST-4600(6) TUTORIAL (T) This is a reading course in United States History taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4604(6) THE AGE OF REFORM IN THE UNITED STATES (S3) This course studies the problems of social and political reforms in the United States during the twentieth century.

HIST-4605(6) STUDIES IN INTELLECTUAL AND SOCIAL HISTORY OF THE UNITED STATES (S3) An introduction to American thought from colonial times to the present; the interaction of ideas and behaviour and the role of various agencies of dissemination; the stress of ideologies upon American social and political life.

HIST-4610(6) THE ORIGINS OF THE CIVIL WAR IN THE UNITED STATES (S3) This seminar will examine the origins of the sectional conflict between North and South, the course of the war, and victory of the north. Themes to be explored may include the growth of Southern nationalism, the pre-war crisis of 1850-1860, Lincoln and the "first-shot," and the many disputes over war strategy. Students will be asked to evaluate the differing interpretations that historians have advanced on these issues and to develop their own interpretations in research papers.

HIST-4700(6) TUTORIAL (T) This is a reading course in African and Asian History, taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4800(6) TUTORIAL (T) This is a reading course in History of Art, taken by individual senior students with the instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4801(6) SPECIAL TOPICS IN ART HISTORY (S3) This is a seminar devoted to specific issues in or related to art history. The nature and range of topics will depend upon the Instructor written information about the course for any given year will be available to the student from any Art History Instructor.

HIST-4802(6) FRENCH ART AND CULTURE AROUND 1900 (S3) This seminar examines the dominant issues in France during the *fin-de-siècle*. Working within the critical categories of modernity and anti-modernity, the discussion topics include scientific and pseudo-scientific theories of degeneration, regeneration and evolution, constructs of the "natural," the unconscious, psychology, and notions of hysteria and mediumship. The student seminars focus on how these ideas were reflected in French visual culture at the turn of the century.

HIST-4815(6) ART HISTORY AND EXHIBITION PRACTICE

(S3) This course brings students into first hand contact with selected art objects in order to learn how to design and mount an exhibition. The class examines works in their social, historical, and artistic contexts, using primary sources and technical resources available locally whenever possible. Students learn the practical aspects of art historical work.

HIST-4830(6) THE HISTORY OF MUSEUMS AND

COLLECTING (S3) Museums do more than just collect art objects, they display and produce culture. This course examines the collecting practices of Western museums, before and after the Enlightenment period, as well as the ideology behind collections. We investigate how museums developed along with the discipline of art history, and how both were dependent on nineteenth and twentieth century ideologies of nationalism and colonialism. Students study how artifacts and collections function in the construction of cultural and national identity. Collections from the Medieval, Renaissance and Modern periods may be studied, including European and North American museums and galleries.

HIST-4831(6) PRACTICUM IN CURATORIAL STUDIES

(A6) This course combines the theory and practice of curatorial work, public history and experiential learning for students interested in achieving a university credit by working with a local museum or art gallery. The Practicum provides opportunities to explore a range of placements with host institutions in order to learn about being a curator. Students are expected to work 6-8 hours a week in the host institution. Program partners will provide training for the interns who have chosen to work with them. Partnerships opportunities include, but are not limited to Winnipeg Art Gallery, Plug In Contemporary Art Institute, Buhler Gallery, and other local galleries and museums.

HIST-4900(6) TUTORIAL (T) This is a reading course in the History of Science, taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4902(6) SELECTED TOPICS IN THE HISTORY OF

SCIENCE (S3) This course studies specific topics in the History of Science (mostly post-Renaissance) with emphasis upon primary sources. This course does not fulfil the Science Requirement.

HIST-4910(6) THEMES IN THE HISTORY OF MEDICINE

(S3) This seminar course examines various aspects of the history of medicine including: the development of the medical profession; the rise of nursing; the transformation of the hospital; the history of disease; and the growth of medical insurance and socialized medicine.

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

HIST-2125(3) EYEWITNESSES TO WORLD HISTORY

(Le3) This lecture course explores modern World history through eyewitness accounts in the form of oral history testimonies. Oral histories are interviews with people about their lives. Using such first-person accounts, the course surveys women's and men's experiences of war, genocide, and state violence; work and globalization; discrimination and resistance; and forced and voluntary migration. Students

work with oral history interviews in the form of transcripts and audio-visual media, and learn to critically examine them as forms of evidence, expressions of memory, constructions of identity, and negotiations of power relations.

HIST-2515(3) HISTORY OF EDUCATION IN WINNIPEG'S

INNER CITY (Le3) This course examines the history of education in Winnipeg's North End and broader inner city, from the early 20th century to today. Particular attention is paid to those who have come to be identified as the "Other": eastern European immigrants early in the 20th century; Aboriginal people and newcomers today. The relationship between poverty and educational outcomes is closely examined. Also emphasized are innovative educational strategies that have emerged in the inner city and that have been demonstrated to work well in improving educational outcomes.

CROSS-LISTED: UIC-2515(3).

HIST-2525(3) EYEWITNESSES TO CANADIAN HISTORY

(Le3) This lecture course explores modern Canadian history through eyewitness testimonies and other first-person accounts (so-called ego-documents) such as letters, diaries, and, in particular, oral histories. The course surveys Canadian experiences such as Aboriginal/non-Aboriginal relations, immigration and settlement experiences, the Great Depression and rural life, times of peace and war, women's and workers' perspectives, and refugees' and minorities' experiences of discrimination and resistance. Emphasis is placed on working with primary sources such as interviews, testimonies, eyewitness accounts, and memoirs.

HIST-2890(3) WAYS OF SEEING (S3)

Images are all around us: on the internet, television, and our cell phones; in advertising, movies, galleries and museums. We view and respond to images in many different ways, and when we look at art we can see the structures of social and political ideologies that shape our culture.

HIST-3124(3) A GLOBAL HISTORY OF SLAVERY, INDENTURED LABOUR AND SEXUALITY SINCE 1700

(Le, S3) This course is a global history of slavery and indentured labour from 1700 to the present that focuses on sexuality and gender. There are three sections comparing African slavery, Indian indentured labour migration and human trafficking in Asia and Western Europe in the last fifty years. Topics include gender and slavery in African societies, sex and the slave trade, African enslavement in the Caribbean and North America, abolitionist discourses, gender in the Indian indentured labour system in the Caribbean, Mauritius and Fiji, gendered approaches to peasant labour in India, the end of indenture, and human trafficking in Asia and Western Europe.

CROSS-LISTED: Human Rights Global Studies HRGS-3324(3).

HIST-3143(3) MIGRATION AND HUMAN RIGHTS (Le3)

The course focuses on contemporary international migration in the context of the political, economic and financial crisis, both in sending and receiving countries. To understand the changing policy environment, the course offers case studies showing how the impact of the immigration restrictions and remittance reductions affect new political and economic decisions on both northern and southern local development. On the basis of these new situations, the course explores scenarios which are emerging or will emerge on international migration. Among other themes, the course addresses such issues as labour restrictions and deportations in the context of human rights.

CROSS-LISTED: Human Rights Global Studies HRGS-3140(3).

HIST-3144(3) HUMAN RIGHTS IN LATIN AMERICA (Le3)

This course examines the evolution of Human Rights in Latin America as a fundamental dimension of the process of democratization initiated in the 1980s. It seeks to help students understand the obstacles to democratization against the background of a tradition of authoritarianism in Latin America. After a brief conceptual and historical introduction a number of paradigmatic cases are discussed. In doing so, three major actors concentrate our attention: (a) The State and the Armed Forces; (b) Social Movements and Civil Society; and (c) US foreign policy.

CROSS-LISTED: Human Rights Global Studies HRGS-3141(3).

HIST-3145(3) CLIMATE CHANGE AND HUMAN DISPLACEMENT (Le3)

This course examines involuntary migration caused by climate change. Using both historical and contemporary cases, students discuss various weather conditions and events as major push factors on internal and international migration. Case studies focus on societies in the Andes, the Himalayas, and sub-Saharan Africa.

CROSS-LISTED: Human Rights Global Studies HRGS-3145(3).

HIST-3146(3) WOMEN AND CLIMATE CHANGE (Le3)

This course discusses the link between women and climate change. Using both historical and contemporary cases, it examines the impact of climate change on women and their ability to develop short-term and long-term strategies of mitigation and adaptation. Contemporary cases will be drawn from Africa, Asia and the Peruvian Amazon, one of the most biologically and culturally endangered regions in the world.

CROSS-LISTED: Human Rights Global Studies HRGS-3146(3) and Women's and Gender Studies WGS-3146(3).

HIST-3147(3) DEVELOPMENT, INDIGENOUS PROPERTY AND EXTRACTION (Le3)

Since the beginning of European penetration of the Americas, socio-economic development based on Western models has produced the suppression and dispossession of indigenous peoples. In recent years, however, indigenous people have opposed the continuation of this historical injustice and launched projects to reclaim their birth rights. Focusing primarily on Peru, students in this course examine the historical record and contemporary opposition to such development.

CROSS-LISTED: Human Rights Global Studies HRGS-3147(3) and International Development Studies IDS-3147(3).

HIST-3310(3 or 6) TOPICS IN MODERN UKRAINIAN HISTORY (Le, S3)

This lecture/seminar course examines selected topics in Ukrainian history from 1800 to the present. Possible topics include the place of Ukraine in the Habsburg and Russian Empires; Ukraine under the Soviet Union; interethnic relations in Twentieth-century Ukraine; the social and cultural impact of two world wars: Soviet social engineering; and society, culture, and politics in Ukraine after the collapse of the Soviet Union.

HIST-3331(3) WORKHOUSE TO WELFARE STATE: BRITISH HEALTH CARE SINCE 1750 (S3)

This course explores the history of national health care in Britain from 1750 to the present. It traces the shifting relationship between the public, private, and charitable sectors. The focus throughout is on government provision of care, particularly institutional care in workhouses, hospitals, and asylums, and its relation to social, economic, and political developments. It also pays close attention to the way in which class relations have influenced the provision of care in Britain.

HIST-4890(3) WOMEN, ART, AND CRAFT (S3)

Art and craft have traditionally been defined along class and gender lines. The prestige of "high art" and "high craft" has privileged the male artist and marginalized the work of women. In any given year, and depending on the instructor, this course may focus on examples of material culture produced by women in Manitoba and participate in the preparation of a small exhibition. Students research the lives of the makers and the social and historical conditions for the production of such work in the light of feminist theories of interpretation.

HIST-4891(3) SPECIAL TOPICS IN VISUAL CULTURES (S3)

This seminar is devoted to specific issues in art history or visual culture. In any given year, and depending on the instructor, this course may focus one or more individual artists, a particular movement or movements, or a theme related to visual culture. Please consult the History Office for information about specific offerings of the course. This course may be repeated for credit when the topic varies.

HISTORY OF ART (HISA)

February 5, 2013

Note: The department/program code HISA replaces the former code 89. The department/program code HIST replaces the former code 29. Students cannot hold credit in HIST-xxxx and the former 29.xxxx having the same course number (e.g., HIST-1010(6) and 29.1010(6)).

Coordinator: Associate Professor S. Keshavjee; Assistant Professor: C. Labrecque.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

MA in Cultural Studies: Curatorial Practices

INTRODUCTION

The History of Art Program focuses on the artistic achievement of previous ages and its relationship to society and culture. The architecture, sculpture and painting produced by a civilization provide an important key to the understanding of that civilization's role in history. By examining visual records of humanity's past, students can further their understanding of political, economic, social and intellectual developments.

The History of Art Program is an Interdisciplinary Program which introduces students to basic concepts in the field of the history of the visual arts; the approach is essentially historical. The Program is administered by the History Department and includes courses from the Departments of Classics and Philosophy. In addition, students in some courses have special access to the resources of the Winnipeg Art Gallery. Students in the History of Art Program may obtain the 3-Year BA degree, 4-Year degree in History of Art or an Honours degree in History of Art.

A Major in History of Art can lead to careers in teaching or in curatorial work at commercial or private galleries and museums. Those interested in pursuing graduate studies will find their way to careers in university teaching and research, governmental research or arts journalism.

REQUIREMENTS FOR A 3-YEAR BA IN HISTORY OF ART

ADMISSION REQUIREMENT	Students must consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours/Maximum 48 credit hours.
Double Major:	Minimum 36 credit hours in History of Art and specified number of credit hours in other Major. These may vary depending on Interdisciplinary courses completed as they may be able to be credited to both Majors.

Required courses:

HIST-1010(6)	An Introduction to History (Art and Ideas or Art and History section recommended)
HIST-2800(6)	History of European Art

24 credit hours from the following:

History:

HIST-2801(6)	History of Canadian Art	HIST-3816(6)	Art and Architecture of Pilgrimage
HIST-2802(3)/	Art in Non-Christian Religions	HIST-3817(3)	Nineteenth-Century Art in Context I (1776-1870)
REL-2901(3)		HIST-3818(3)	Nineteenth-Century Art in Context II (1870-1900)
HIST-3807(6)	Topics in Twentieth-Century Canadian Art	HIST-3819(3)	Art in the Twentieth Century I (1900-1945)
HIST-3809(6)	Nineteenth-Century Art in Context (1776-1900)	HIST-3820(3)	Art in the Twentieth Century II (1945 to the present)
HIST-3810(6)	Art of the Twentieth Century (1900 to the present)	HIST-3821(3)	Topics in Twentieth-Century Canadian Art I (Issues)
HIST-3811(6)	Women, Art and Society	HIST-3822(3)	Topics in Twentieth-Century Canadian
HIST-3813(3)	Art in Focus I		
HIST-3814(3)	Aboriginal Arts		

Art II (Research Project)
HIST-3824(3) History and Theory of Dance and Art
HIST-3825(6) Theories and Methods for Art History
HIST-3826(3) Art in Focus II
HIST-3829(3) Modern Architecture and Design
HIST-3831(3)/ Islamic Art and Architecture
REL-3712(3)
HIST-3840(3or6) Seventeenth Century Art
HIST-3841(3or6) Arts of the Middle Ages

HIST-3842(3or6) Italian Renaissance Art
HIST-3843(3or6) Northern Renaissance Art
HIST-4801(6) Special Topics in Art History
HIST-4802(6) French Art and Culture around 1900
HIST-4815(6) Art History and Exhibition Practice
HIST-4830(6) The History of Museums and Collecting
HIST-4831(6) Practicum in Curatorial Studies

Classics:

CLAS-2000(3) Heroic Age of Greece
CLAS-2002(3) Greek Art and Architecture
CLAS-2003(3) Roman Art and Architecture

Philosophy:

PHIL-2219(3) Philosophy of Art
(OR the former PHIL-2221(6))

Students may use one or more individual tutorials from the following as part of the Art History Major with Departmental approval:

HIST-4800(6) Honours Tutorial in Art History
CLAS-4001(6) Directed Readings in Monuments of Crete and Athens
CLAS-4002(6) Directed Readings in Monuments of Etruria and Rome

Normally the requirements for the Major should be fulfilled with half of the History of Art courses at the 3000 level or above.

Students must consult with a member of the Department in planning their curriculum.

Combined Major: Minimum of 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject.

Required courses:

HIST-1010(6) An Introduction to History (Art and Ideas or Art and History section recommended)
HIST-2800(6) History of European Art
 6 credit hours in History of Art at the 3000 level

REQUIREMENTS FOR A 4-YEAR BA IN HISTORY OF ART

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study. Students must have minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
 Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
 Science: 6 credit hours
 Social Science: 12 credit hours
 Writing: Minimum 3 credit hours of Academic Writing.
 Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
 Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
 Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
 Cognates: Minimum of 18 credit hours/Maximum 36 credit hours ancillary courses.
 Maximum total of cognate and major courses is 84 credit hours combined.

Required courses:

HIST-1010(6) Introduction to History (Art and Ideas or Art and History section recommended)
HIST-2800(6) History of European Art
HIST-3001(6) Practice and Philosophy of History

6 credit hours in History of Canadian Art at the 2000 level or above, from:

HIST-2801(6) History of Canadian Art
HIST-3805(6) The Art of the Inuit

HIST-3807(6)	Topics in Twentieth Century Canadian Art
HIST-3821(3)	Topics in Twentieth-Century Canadian Art I (Issues)
HIST-3822(3)	Topics in Twentieth-Century Canadian Art II (Research Project)

24 credit hours from the following:

History:

HIST-2801(6)	History of Canadian Art	HIST-3821(3)	Topics in Twentieth-Century Canadian Art I (Issues)
HIST-2802(3)/	Art in Non-Christian Religions	HIST-3822(3)	Topics in Twentieth-Century Canadian Art II (Research Project)
REL-2901(3)		HIST-3824(3)	History and Theory of Dance and Art
HIST-3807(6)	Topics in Twentieth-Century Canadian Art	HIST-3825(6)	Theories and Methods for Art History
HIST-3809(6)	Nineteenth-Century Art in Context (1776-1900)	HIST-3826(3)	Art in Focus II
HIST-3810(6)	Art of the Twentieth Century (1900 to the present)	HIST-3829(3)	Modern Architecture and Design
HIST-3811(6)	Women, Art and Society	HIST-3831(3)/	Islamic Art and Architecture
HIST-3813(3)	Art in Focus I	REL-3712(3)	
HIST-3814(3)	Aboriginal Arts	HIST-3840(3or6)	Seventeenth Century Art
HIST-3816(6)	Art and Architecture of Pilgrimage	HIST-3841(3or6)	Arts of the Middle Ages
HIST-3817(3)	Nineteenth-Century Art in Context I (1776-1870)	HIST-3842(3or6)	Italian Renaissance Art
HIST-3818(3)	Nineteenth-Century Art in Context II (1870-1900)	HIST-3843(3or6)	Northern Renaissance Art
HIST-3819(3)	Art in the Twentieth Century I (1900-1945)	HIST-4801(6)	Special Topics in Art History
HIST-3820(3)	Art in the Twentieth Century II (1945 to the present)	HIST-4802(6)	French Art and Culture around 1900
		HIST-4815(6)	Art History and Exhibition Practice
		HIST-4830(6)	The History of Museums and Collecting
		HIST-4831(6)	Practicum in Curatorial Studies

Students may use one or more individual tutorials from the following as part of the Art History Major with Departmental approval:

HIST-4800(6)	Honours Tutorial in Art History
CLAS-4001(6)	Directed Readings in Monuments of Crete and Athens
CLAS-4002(6)	Directed Readings in Monuments of Etruria and Rome

Normally the requirements for the Major should be fulfilled with half of the History of Art courses at the 3000 level or above.

Students must consult with a member of the Department in planning their curriculum.

Combined Major: Minimum of 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject

Required courses:

HIST-1010(6)	Introduction to History (Art and Ideas or Art and History section recommended)
HIST-2800(6)	History of European Art
6 credit hours in History of Art at the 3000 level	

REQUIREMENTS FOR AN HONOURS BA IN HISTORY OF ART

ADMISSION REQUIREMENT

Entry into the program is possible after completing a minimum of 30 credit hours.

Entry, continuing, and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

Students in the Double Honours program must have approval of the History Department Chair and the Art History Coordinator

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours

Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject

Required courses:

HIST-1010(6) Introduction to History (Art and Ideas or Art and History section recommended)
HIST-2800(6) History of European Art
HIST-3001(6) Practice and Philosophy of History

6 credit hours in History of Canadian Art at the 2000 level or above, from:

HIST-2801(6) History of Canadian Art
HIST-3805(6) The Art of the Inuit
HIST-3807(6) Topics in Twentieth Century Canadian Art
HIST-3821(3) Topics in Twentieth-Century Canadian Art I (Issues)
HIST-3822(3) Topics in Twentieth-Century Canadian Art II (Research Project)

30 credit hours in Art History at the 3000 and 4000 level including a minimum of 24 credit hours in Art History and/or History at the 4000 level that includes a minimum of 12 credit hours in Art History from the following:

HIST-4800(6) Honours Tutorial in Art History
HIST-4801(6) Special Topics in Art History
HIST-4802(6) French Art and Culture around 1900
HIST-4815(6) Art History and Exhibition Practice
HIST-4830(6) The History of Museums and Collecting
HIST-4831(6) Practicum in Curatorial Studies

Students may use one or more individual tutorials from the following as part of the Art History Honours degree with Departmental approval:

HIST-4800(6) Honours Tutorial in Art History
CLAS-4001(6) Directed Readings in Monuments of Crete and Athens
CLAS-4002(6) Directed Readings in Monuments of Etruria and Rome

Double Honours: Minimum 36 credit hours in each Honours subject

Required courses:

HIST-1010(6) Introduction to History (Art and Ideas or Art and History section recommended)
HIST-2800(6) History of European Art
HIST-3001(6) Practice and Philosophy of History

6 credit hours in History of Canadian Art at the 2000 level or above, from:

HIST-2801(6) History of Canadian Art
HIST-3805(6) The Art of the Inuit
HIST-3807(6) Topics in Twentieth Century Canadian Art
HIST-3821(3) Topics in Twentieth-Century Canadian Art I (Issues)
HIST-3822(3) Topics in Twentieth-Century Canadian Art II (Research Project)

12 credit hours at the 4000 level from the following:

HIST-4800(6) Honours Tutorial in Art History
HIST-4801(6) Special Topics in Art History
HIST-4802(6) French Art and Culture around 1900
HIST-4815(6) Art History and Exhibition Practice
HIST-4830(6) The History of Museums and Collecting
HIST-4831(6) Practicum in Curatorial Studies

Students may use one or more individual tutorials from the following as part of the Art History Honours degree with Departmental approval:

HIST-4800(6) Honours Tutorial in Art History
CLAS-4001(6) Directed Readings in Monuments of Crete and Athens
CLAS-4002(6) Directed Readings in Monuments of Etruria and Rome

For the requirements of the other Honours subject consult the department involved

Suggested Pattern of Study:

Single Honours:

Year 1: **HIST-1010(6)** An Introduction to History
Year 2: **HIST-2800(6)** History of European Art
HIST-3001(6) Practice and Philosophy of History
Year 3: 6 credit hours at the 3000 level in Art History

Year 4: 12 credit hours at the 4000 level in Art History
 6 credit hours at the 3000 level in Art History
 12 credit hours at the 4000 level in Art History and /or History

Double Honours:

Year 1: **HIST-1010(6)** An Introduction to History (Art and Ideas or Art and History section recommended)
 Year 2: **HIST-2800(6)** History of European Art
HIST-3001(6) Practice and Philosophy of History
 Year 3: 12 credit hours at the 4000 level in Art History
 Year 4: 6 credit hours at the 4000 level in Art History and/or History

GENERAL INFORMATION

Students are strongly advised to pursue additional courses in foreign languages, Philosophy and History related to the area of emphasis in their Art History Program. Students may find the following courses of interest:

Classics:

CLAS-2000(3) Heroic Age of Greece
CLAS-2002(3) Greek Art and Architecture
CLAS-2003(3) Roman Art and Architecture

Philosophy:

PHIL-2219(3) Philosophy of Art
 (OR the former **PHIL-2221(6)**)

Theatre and Film:

THFM-4431(3) Theatre Aesthetics

Students may use one or more individual tutorials from the following as part of the Art History Major with Departmental approval:

HIST-4800(6) Honours Tutorial in Art History
CLAS-4001(6) Directed Readings in Monuments of Crete and Athens
CLAS-4002(6) Directed Readings in Monuments of Etruria and Rome

Prerequisites

Students who are not History of Art Majors are welcome to select 1000-, 2000-, and 3000-level courses.

Courses for Credit toward the Major in History

Courses in the History of Art Program can be used for credit towards a Major in History.

4000-Level Courses

Students may use one or more individual Tutorials (**HIST- 4xxx**) as part of the Art History Major with Departmental approval. A minimum 3.0 GPA (B) in major courses is required (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of the Department is required for each 4000-level course.

Graduate Studies

Graduate courses in Art History are offered as part of a Master's Program in Cultural Studies in the Department of English. The History Department also offers Graduate Study as part of a Joint Master's Program with the University of Manitoba. For details see *Graduate Studies* of this Calendar.

Re-numbering of Courses

Since 1988, the Department has renumbered many courses. Students may not receive credit for a currently listed course if they have already completed it under its former number.

COURSE LISTINGS

Note: Students who have taken History **HIST-1000(6)**, **HIST-1004(6)**, **HIST-1005(6)**, or **HIST-1401(6)** may not credit History **HIST-1010(6)** towards the History major. Only one 1000-level history course may be used as credit towards graduation.

HIST-1010(6) Art and Ideas
 HIST-1010(6) Art and History
 HIST-2800(6) History of European Art
 HIST-2801(6) History of Canadian Art
 HIST-2802(3)/ Art in Non-Christian Religions
 REL-2901(3)
 HIST-3807(6) Topics in Twentieth-Century Canadian Art
 HIST-3809(6) Nineteenth-Century Art in Context (1776-1900)

HIST-3810(6) Art of the Twentieth Century (1900 to the Present)
 HIST-3811(6) Women, Art and Society
 HIST-3813(3) Art History in Focus I
 HIST-3814(3) Aboriginal Arts
 HIST-3816(6) Art and Architecture of Pilgrimage
 HIST-3817(3) Nineteenth-Century Art in Context I (1776-1870)
 HIST-3818(3) Nineteenth-Century Art in Context II (1870-1900)
 HIST-3819(3) Art in the Twentieth Century I (1900-1945)
 HIST-3820(3) Art in the Twentieth Century II (1945 to the Present)

HIST-3821(3) Topics in Twentieth-Century Canadian Art I (Issues)
 HIST-3822(3) Topics in Twentieth-Century Canadian Art II (Research Project)
 HIST-3824(3) History and Theory of Dance and Art
 HIST-3825(6) Theories and Methods for Art History
 HIST-3826(3) Art History in Focus II
 HIST-3829(3) Modern Architecture and Design
 HIST-3831(3) Islamic Art and Architecture
 HIST-3840(3/6) Seventeenth Century Art
 HIST-3841(3/6) Arts of the Middle Ages
 HIST-3842(3/6) Italian Renaissance Art

HIST-3843(3/6) Northern Renaissance Art
 HIST-4000(3) Tutorial
 HIST-4800(6) Tutorial
 HIST-4801(6) Special Topics in Art History
 HIST-4802(6) French Art and Culture around 1900
 HIST-4830(6) The History of Museums and Collecting
 HIST-4831(6) Practicum in Curatorial Studies

EXPERIMENTAL COURSES

HIST-2890(3) Ways of Seeing
 HIST-4890(3) Women, Art, and Craft
 HIST-4891(3) Special Topics in Visual Cultures

COURSE DESCRIPTIONS

HIST-1010(6) ART AND IDEAS (Le3) This course is concerned with the general topic of the relationship between art history and other facets of social, cultural and intellectual history. Specifically it focuses upon the art of Vincent Van Gogh and Kathe Kollwitz, among other artists. Issues dealt with are the use of visual and literary sources, the role of biography in art history, and the artist's place in society.

HIST-1010(6) ART AND HISTORY (Le3) This course will consider the relationship between art and its historical contexts, discussing both the art works' conditions of production and their subsequent interpretations. Visual art (which may include traditional forms such as painting and sculpture, and other media such as photography, dance, film and television) will be investigated as historical evidence, human expression and political discourse. Questions of gender and race will be addressed. Field trips to local exhibitions and architectural sites will be arranged during class time.

HIST-2800(6) HISTORY OF EUROPEAN ART (Le3) The historical development of art forms in the European tradition will be studied in successive eras. Emphasis is given to painting, sculpture, and architecture.

HIST-2801(6) HISTORY OF CANADIAN ART (Le3) A survey of Canadian art from the influences of European styles in the early period to the impact of Canadian culture on art in the 20th century.

HIST-2802(3) ART IN NON-CHRISTIAN RELIGIONS (Le3) This course explores the intrinsic links within non-Christian religious traditions between beliefs and social systems and the art produced in those contexts. It focuses on the art and architecture of Hinduism, Buddhism, and Islam. Students explore art's implicit and explicit messages about the religious beliefs of its producing society, how art functions within the context of religion, and how one "reads: religious art. The class investigates the impact of social, economic, and power structures on religious art, and the role of patronage in art production.

CROSS-LISTED: Religious Studies REL-2901(3).

HIST-3807(6) TOPICS IN TWENTIETH CENTURY CANADIAN ART (Le,S3) This is an advanced lecture/seminar course examining various areas in twentieth-century Canadian art. We will address issues such as the taxonomy of style - realism, abstract expressionism, minimalism; problems of value - dealers, galleries, craft, design and electronic imaging; and the politics of art - feminism, regionalism, First Nations, ethnicity, ordinary people and government funding. The first part of the course will cover issues that affect the country as a whole, within the global context. Assignments will be focused on art historical writing and criticism. The latter part of the course will deal with Manitoba's culture, particularly unknown and forgotten

women artists. This will involve individual student projects and primary research in local archives and collections.
RESTRICTIONS: Students with standing in HIST-3820(3) or HIST-3821(3) may not receive credit for HIST-3807(6).

HIST-3809(6) NINETEENTH-CENTURY ART IN CONTEXT (1776-1900) (Le,S3) This lecture/seminar course will focus on the major artistic movements of Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism within the context of the social and political upheavals of the nineteenth century. We will explore the relations between popular culture and the fine art of the ruling class, between ideology and artistic practice, between the revolution of the avant-garde and of the people, and among industry, exploitation, and empire, and between women as artists and as subjects of art.
RESTRICTIONS: Students with standing in HIST-3804(6), HIST-3817(3) or HIST-3818(3) may not receive credit for HIST-3809(6).

HIST-3810(6) ART OF THE TWENTIETH CENTURY (1900 to the present) (Le, S3) We will examine the development of abstraction and expression in art from 1900 to the present, particularly the relation of artistic movements to the political and historical context. The roles of war, sexuality, money, and the cult of personality in the production and reception of art will be addressed within a framework of critical analysis, including formalism, Marxism, the feminist critique, and post-modern deconstruction. A wide range of media will be explored including the arts of film, dance, sculpture, painting, and architecture.
RESTRICTIONS: Students with standing in HIST-3819(3) or HIST-3820(3) may not receive credit for HIST-3810(6).

HIST-3811(6) WOMEN, ART, AND SOCIETY (Le,S3) This lecture/seminar course will consider the new approaches offered by critical theory, psychology, postmodernism, and feminism to the practice of art history and to the history of art in a wide selection of different cultures and periods. The role of women in the production of art will be re-evaluated, the rediscovery of forgotten arts and women artists will be studied, and the representation of women in art will be analyzed. The creative process, art history as a discipline, and the role of art in society from traditional craft and "fine" art to film and advertising will be explored in the light of women's experience.

HIST-3813(3) ART HISTORY IN FOCUS I (Le, S3) This lecture/seminar course offers students the opportunity for intensive study of a single artist's work or artistic movement on whose work there is a significant body of art historical writing and criticism. Each time the course is offered the name of the artist or movement in focus will be listed in the Timetable. This course may be repeated for credit when the topic varies.

HIST-3814(3) ABORIGINAL ARTS (Le, S3) This lecture/seminar course offers an introduction to the arts of Aboriginal peoples with a focus on contemporary First Nations art in Canada. Students explore critical approaches to the social and political issues surrounding tradition, appropriation, modernity, and personal identity in our survey of visual art. Forms examined may include painting, sculpture, print making, installation, dance, music, theatre, new media, and performance. Local artists, exhibitions, and collections offer students first-hand experience of current First Nations and Métis art production in Manitoba.

HIST-3816(6) ART AND ARCHITECTURE OF PILGRIMAGE (Le, S3) This course is an introduction to the history of pilgrimage art and architecture from the Middle Ages to the Modern era. Medieval and Post-Medieval pilgrimages are used as a laboratory for investigating the topic of the journey to a shrine for the realization of spiritual benefits or the fulfillment of personal motives. Class discussions and lectures on the experience of pilgrimage and its visual ways of expression might include: the major pilgrimages to Christian, Muslim, Hindu and Jewish sites, and the later pilgrimages to North-American shrines.

HIST-3817(3) NINETEENTH-CENTURY ART IN CONTEXT I (1776-1870) (Le, S3) This lecture/seminar course will include the Neoclassical, Romantic, and Realist movements in art, concluding with the early experiments of the Impressionists. We will explore the relations between popular culture and the fine art of the ruling class, between ideology and artistic practice, between the revolution of the avant-garde and of the people, and among industry, exploitation, and empire, between women as artists and as subjects of art.

RESTRICTIONS: Students with standing in HIST-3804(6) or HIST-3809(6) may not receive credit for HIST-3817(3).

HIST-3818(3) NINETEENTH-CENTURY ART IN CONTEXT II (1870-1900) (Le, S3) This lecture/seminar course will include the Post-Impressionist and Symbolist movements in art, from Gauguin and Seurat to Cezanne and early Picasso. We will explore the relations between popular culture and the fine art of the ruling class, between ideology and artistic practice, between the revolution of the avant-garde and of the people, and among industry, exploitation, and empire, between women as artists and as subjects of art.

RESTRICTIONS: Students with standing in HIST-3804(6) or HIST-3809(6) may not receive credit for HIST-3818(3).

HIST-3819(3) ART IN THE TWENTIETH CENTURY I (1900-1945) (Le,S3) We will examine the development of abstraction and expression in art from 1900 to 1945, particularly the relation of artistic movements in art to the political and historical context. The roles of war, sexuality, money, and the cult of personality in the production and reception of art will be addressed within a framework of critical analysis, including formalism, Marxism, the feminist critique, and post-modern deconstruction. A wide range of media will be explored, including the arts of film, dance, sculpture, painting, and architecture.

RESTRICTIONS: Students with standing in HIST-3810(6) may not receive credit for HIST-3819(3).

HIST-3820(3) ART IN THE TWENTIETH CENTURY II (1945 TO THE PRESENT) (Le,S3) We will examine the development of abstraction and expression in art from 1945 to the present, particularly the relation of artistic movements in art to the political and historical context. The roles of war, sexuality, money, and the cult of personality in the production and reception of art will be addressed within a framework of critical analysis, including formalism, Marxism, the feminist critique, and postmodern deconstruction. A

wide range of media will be explored, including the arts of film, dance, sculpture, painting, and architecture.

RESTRICTIONS: Students with standing in HIST-3810(6) may not receive credit for HIST-3820(3).

HIST-3821(3) TOPICS IN TWENTIETH-CENTURY CANADIAN ART I (ISSUES) (Le, S3) This is an advanced lecture/seminar course examining various areas in twentieth-century Canadian art in a global context. We will address issues such as the taxonomy of style - realism, abstract expressionism, minimalism; problems of value - dealers, galleries, craft, design and electronic imaging; and the politics of art - feminism, regionalism, First Nations, ethnicity, ordinary people, and government funding. This course will cover issues that affect the country as a whole, within the global context. Assignments will be focused on art historical writing and criticism.

RESTRICTIONS: Students with standing in HIST-3807(6) may not receive credit for HIST-3821(3).

HIST-3822(3) TOPICS IN TWENTIETH-CENTURY CANADIAN ART II (RESEARCH PROJECT) (Le, S3) This is an advanced lecture/seminar course examining various areas in twentieth-century Canadian art in a global context. We will address issues such as the taxonomy of style - realism, abstract expressionism, minimalism; problems of value - dealers, galleries, craft, design and electronic imaging; and the politics of art - feminism, regionalism, First Nations, ethnicity, ordinary people, and government funding. This 3 credit hour course will focus on Manitoba's culture, particularly unknown and forgotten women artists. This will involve individual student projects and primary research in local archives and collections.

RESTRICTIONS: Students with standing in HIST-3807(6) may not receive credit for HIST-3822(3).

HIST-3824(3) HISTORY AND THEORY OF DANCE AND ART (Le, S3) Dance is a visual art that lives in both time and space. We will explore the social, historical and aesthetic relationships of dance to other art forms such as painting, sculpture, architecture, performance, and video from antiquity to the present. Differences of class, gender and culture as well as questions of identity and the body will be central to our study.

HIST-3825(6) THEORIES AND METHODS FOR ART HISTORY (Le,S3) This lecture/seminar course explores various traditional art historical and critical approaches to the study of art including visual analysis, biography, iconography, and more recent theories such as historiography, feminism, and postmodernism. Museums, galleries, and the art market as well as techniques and conservation are also considered. Research methods for art historians are put into practice in written assignments and, whenever possible, field trips to local sites and exhibitions take place during class time.

HIST-3826(3) ART HISTORY IN FOCUS II (Le, S3) This lecture/seminar course offers students the opportunity for intensive study of a single artist's work or artistic movement on whose work there is a significant body of art historical writing and criticism. Each time the course is offered the name of the artist or movement in focus will be listed in the Timetable. This course may be repeated for credit when the topic varies.

HIST-3829(3) MODERN ARCHITECTURE AND DESIGN (Le, S3) This course examines the major monuments, architects, and theories of nineteenth and twentieth century architecture, urbanism, landscape design and interior design. The discussion topics include the architectural responses arising from the issues of "Modernity" such as

industrialization, new technologies, nationalism, and constructs of "nature".

HIST-3831(3) ISLAMIC ART AND ARCHITECTURE (Le, S3) This course examines Islamic art and architecture from the rise of Islam in the seventh century to the nineteenth century, concentrating on the period 1250-1800. The course also considers cross-cultural influences and contrasts between the Islamic world and Europe. Topics include the 'reluctance' towards figural imagery, regional mosque architecture, and book illumination. Dynasties include Timurid, Safavid, Ottoman, Mamluk, and Mughal.
CROSS-LISTED: Religious Studies: REL 3712(3)

HIST-3840(3 or 6) SEVENTEENTH CENTURY ART (Le3, SV) This course explores the visual arts of Italy, France, England, Spain, and the Netherlands against the background of the social, economic, political and religious change in the seventeenth century. Some of the topics we consider include the position of women artists, the cultural effects of colonialism, the natural sciences, art collecting and the emergence of the art market.

RESTRICTIONS: Students with standing in HIST-3803(6) may not receive credit for HIST-3840(3).

HIST-3841(3 or 6) ARTS OF THE MIDDLE AGES (Le3, SV) This lecture/seminar course is an introduction to the study of medieval art and architecture in Europe, from the demise of Late Antique traditions up to the Renaissance. In the context of a thematic survey, students are introduced to the terminology, methods, materials, subject matter and function of medieval art and architecture. Since the largest proportion of surviving materials is religious, this includes a firm grounding in the medieval Christian tradition and the nature of the prominent institutions of Church and State. Secular art is considered where possible or appropriate, and broader issues of material culture are explored.

HIST-3842(3 or 6) ITALIAN RENAISSANCE ART (Le3, SV) This lecture/seminar course is an introduction to the study of Italian Renaissance art and architecture in the context of the social, political and economic circumstances of this time. This course traces the history of painting, sculpture and architecture of the mid-14th to the 16th century. More specific topics explore the virtuosity and philosophies of realism, the discovery of linear perspective, the artists' social and intellectual status, art patronage, and gender issues (women artists and women's art patronage). Some artists/art patrons are considered more in depth, such as Leonardo da Vinci, Michelangelo, and Isabella d'Este, among others.

HIST-3843(3 or 6) NORTHERN RENAISSANCE ART (Le3, SV) This lecture/seminar course is an introduction to the study of art and architecture of the mid-14th to the 16th century Northern regions of Western Europe (France, England, Germany and the Netherlands) in the context of the social, political and economic circumstances of this time. More specific topics should capture our attention, such as the development of panel and manuscript paintings, prints, the rise of realism and secular subjects in the arts, the transformation of the artist's status and art patronage.

HIST-4800(6) TUTORIAL (T) This is a reading course in History of Art, taken by individual senior students with the instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4801(6) SPECIAL TOPICS IN ART HISTORY (S3) This is a seminar devoted to specific issues in or related to art history. The nature and range of topics will depend upon the Instructor written information about the course for any

given year will be available to the student from any Art History Instructor.

HIST-4802(6) FRENCH ART AND CULTURE AROUND 1900 (S3) This seminar examines the dominant issues in France during the *fin-de-siècle*. Working within the critical categories of modernity and anti-modernity, the discussion topics include scientific and pseudo-scientific theories of degeneration, regeneration and evolution, constructs of the "natural," the unconscious, psychology, and notions of hysteria and mediumship. The student seminars focus on how these ideas were reflected in French visual culture at the turn of the century.

HIST-4815(6) ART HISTORY AND EXHIBITION PRACTICE (S3) This course brings students into first hand contact with selected art objects in order to learn how to design and mount an exhibition. The class examines works in their social, historical, and artistic contexts, using primary sources and technical resources available locally whenever possible. Students learn the practical aspects of art historical work.

HIST-4830(6) THE HISTORY OF MUSEUMS AND COLLECTING (S3) Museums do more than just collect art objects, they display and produce culture. This course examines the collecting practices of Western museums, before and after the Enlightenment period, as well as the ideology behind collections. We investigate how museums developed along with the discipline of art history, and how both were dependent on nineteenth and twentieth century ideologies of nationalism and colonialism. Students study how artifacts and collections function in the construction of cultural and national identity. Collections from the Medieval, Renaissance and Modern periods may be studied, including European and North American museums and galleries.

HIST-4831(6) PRACTICUM IN CURATORIAL STUDIES (A6) This course combines the theory and practice of curatorial work, public history and experiential learning for students interested in achieving a university credit by working with a local museum or art gallery. The Practicum provides opportunities to explore a range of placements with host institutions in order to learn about being a curator. Students are expected to work 6-8 hours a week in the host institution. Program partners will provide training for the interns who have chosen to work with them. Partnerships opportunities include, but are not limited to Winnipeg Art Gallery, Plug In Contemporary Art Institute, Buhler Gallery, and other local galleries and museums.

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

HIST-2890(3) WAYS OF SEEING (S3) Images are all around us: on the internet, television, and our cell phones; in advertising, movies, galleries and museums. We view and respond to images in many different ways, and when we look at art we can see the structures of social and political ideologies that shape our culture.

HIST-4890(3) WOMEN, ART, AND CRAFT (S3) Art and craft have traditionally been defined along class and gender lines. The prestige of "high art" and "high craft" has privileged the male artist and marginalized the work of women. In any given year, and depending on the instructor, this course may focus on examples of material culture produced by women in Manitoba and participate in the preparation of a small exhibition. Students research the lives

of the makers and the social and historical conditions for the production of such work in the light of feminist theories of interpretation.

HIST-4891(3) SPECIAL TOPICS IN VISUAL CULTURES

(S3) This seminar is devoted to specific issues in art history or visual culture. In any given year, and depending on the instructor, this course may focus one or more individual artists, a particular movement or movements, or a theme related to visual culture. Please consult the History Office for information about specific offerings of the course. This course may be repeated for credit when the topic varies.

HUMAN RIGHTS AND GLOBAL STUDIES (HRGS)

Updated April 12, 2013

Coordinator: D. Peachey, Global College. **Program Advisors:** L. Edmund - Conflict Resolution Studies, R. Jochelson - Criminal Justice, R. McCormack - History, M. McPhedran - Global College, S. Peou - Politics, J. Romanow - Indigenous Studies, J. Sears - International Development Studies, J. Silver - Urban & Inner City Studies, S. Tomsons - Philosophy, K. Venema - English

Contact: d.peachey@uwinnipeg.ca or Global College at 988-7105 global.college@uwinnipeg.ca

HRGS DEGREES/PROGRAMMES OFFERED

3-year BA
4-year BA

INTRODUCTION

The University of Winnipeg Global College fosters global citizenship and engagement in human rights through interdisciplinary teaching, research, dialogue, and action in local and global communities. Through its Human Rights and Global Studies Thematic Major, the Global College provides a formal structure for students seeking to obtain an education organized around perspectives on social justice, global citizenship, and human rights. A guiding premise is that 'human rights' are understood in multiple ways, and thus this major adopts an interdisciplinary approach. Within the core courses, students will explore issues of 'human rights' in the particular context of globalization. Through selecting elective courses across the three streams of study, students will be exposed to diverse perspectives on human rights from fields such as conflict resolution, gender studies, international development studies, culture and communication, English, French, politics, history, geography, philosophy, anthropology, economics, and religious studies. Students will also have opportunities for experiential learning to complement teaching and research.

REQUIREMENTS FOR A 3-YEAR BA IN HUMAN RIGHTS & GLOBAL STUDIES

ADMISSION REQUIREMENT

Students must meet The University of Winnipeg's general admission requirements. Students can declare this Human Rights Major in their second year, and are required to consult with the coordinator of the HRGS degree program or their student advisor or Global College staff and to receive permission from the coordinator of the HRGS degree program - before declaring the Major. A minimum GPA of 2.5 is required for entry

GRADUATION REQUIREMENT

90 credit hours

RESIDENCE REQUIREMENT

Degree: 30 credit hours
Major: 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Sciences: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing
Maximum Introductory courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of six may be below the 1000 level.
Distribution: A minimum of three (3) credit hours from each of five (5) different subjects

MAJOR REQUIREMENT

Single Major: 36 credit hours
Double Major: 36 credit hours in Human Rights and Global Studies and specified number of credit hours in other Major, subject or program

Required Courses: Students must complete the following core courses (15 credit hours):

WGS-1232 (6) Introduction to Women's and Gender Studies
HRGS-2101(6) Human Rights: from Local to Global
HRGS-3001(3) Capstone in Human Rights and Global Studies (with optional practicum; see Experimental Courses below.)

Students must complete 15 credit hours selected from the following list:

ANTH/IDS-3160(3) Cultural Perspectives on Global Processes
CRS-3931(3) Human Rights and Conflict Resolution
GEOG-2411(3) Geography of Globalization
POL-2100(6) Introduction to Global Politics
RHET-2135(3) Rhetorical Criticism
PHIL/POL-2200(6) Social and Political Philosophy

SOC-2101(6)	Social Inequality in the Era of Globalization
SOC-3101(6)	Globalization and Social Justice: a Sociological Approach

Electives:

Students must complete at a minimum an additional 6 credit hours, chosen from any one of the three streams noted below. Their major must also include a minimum of 6 credit hours at the 3000/4000 level in addition to HRGS-3001(3).

REQUIREMENTS FOR A 4-YEAR BA IN HUMAN RIGHTS & GLOBAL STUDIES

ADMISSION REQUIREMENT Students must meet The University of Winnipeg's general admission requirements. Students can declare this Human Rights Major in their second year, and are required to consult with the coordinator of the HRGS degree program or their student advisor or Global College staff and to receive permission from the coordinator of the HRGS degree program - before declaring the Major. A minimum GPA of 2.5 is required for entry.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: 60 credit hours
Major: 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Sciences: 6 credit hours in Science
Social Sciences: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing
Maximum Introductory courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of six may be below the 1000 level.
Distribution: A minimum of three (3) credit hours from each of five (5) different subjects

MAJOR REQUIREMENT

Single Major: 54 credit hours
Double Major: 54 credit hours in Human Rights and Global Studies and specified number of credit hours in other Major, subject or program

Cognates: Minimum of 18 credit hours/ Maximum of 30 hours in ancillary courses. Maximum total of cognate and major courses is 84 credit hours.

Required Courses: Students must complete the following core courses (15 credit hours):

WGS-1232 (6) Introduction to Women's and Gender Studies
HRGS-2101(6) Human Rights: from Local to Global
HRGS- 4001(3) Capstone in Human Rights and Global Studies (with mandatory practicum; see Experimental Courses below.)

Students must complete 15 credit hours selected from the following list:

ANTH/IDS-3160(3) Cultural Perspectives on Global Processes
CRS-3931(3) Human Rights and Conflict Resolution
GEOG-2411(3) Geography of Globalization
POL-2100(6) Introduction to Global Politics
RHET-2135(3) Rhetorical Criticism
PHIL/POL-2200(6) Social and Political Philosophy
SOC-2101(6) Social Inequality in the Era of Globalization
SOC-3101(6) Globalization and Social Justice: a Sociological Approach

Electives:

Students must complete at a minimum an additional 24 credit hours, chosen from two of the three streams noted below with a minimum of 9 credit hours coming from each of the two selected streams. Their major must also include a minimum of 15 credit hours at the 3000/4000 level in addition to the capstone HRGS- 4001(3).

STREAMS (for the 3 and 4 year HRGS BA)

STREAM 1: READING AND WRITING HUMAN RIGHTS

RHET-3138(3) Modern Rhetorical Theory **OR**
RHET-3236(3) Orality and Literacy
RHET-2137(3) Contemporary Communication Theories **OR**
RHET-3139(3) Rhetorics of Visual Representations

ENGL-2722(6)	Postcolonial Literatures OR
RHET-3151(3)	Critical Studies of Discourse
RHET-3153(3)	Studies in the Rhetorics of Gender OR
ENGL-3715(6)	Diasporic Literatures in Canada
ENGL-3717(6)	Aboriginal Literatures OR
ENGL-3901(6)	Twentieth Century Gay and Lesbian Literature
SPAN-2384(3)	Modern Peninsular Spanish Literature and Culture OR
SPAN-2385(3)	Literature and Culture of Post-Franco Spain
FREN-3580(3)/4580(3)	Le Siecle des Lumieres OR
FREN-3581(3)/4581(3)	Eighteenth Century Literature: Lumieres et Revolution
FREN-3883(3)/4883(3)	Pre-Independence Francophone African Literature OR
FREN-3884(3)/4884(3)	Francophone Black Feminist Literature

STREAM 2: SOCIETY, CULTURE, AND ECONOMY

CRS-2241(3)	Conflict and Culture
ANTH/IDS-2160(3)	Indigenous People and the Industrial State OR
CRS/IDS-2443(3)	Conflict and Development Issues in Indigenous Communities
ECON-2317(3)	Environmental Economics OR
GEOG-2417(3)	Introduction to Economic Geography
HIST/IDS-2130(6)	A History of the Developing World OR
ECON-3305(3)	Economic Development
REL-2402(3)	Fundamentalisms in Global Perspective OR
REL-2511(3)	Religion and Society: The Critique of Development
SOC-2404(3)	Sociology of Development and Underdevelopment OR
ECON-3306(3)	International Aspects of Economic Development
GEOG-3508(3)	Geographical Issues in the Developing World OR
POL-3105(6)	Global Political Economy
HIST-	One course in Modern African History (at or above the 2000 level) OR
HIST-	One course in Modern Asian History (at or above the 2000 level)
HIST-	One course in Modern Latin American History (at or above the 2000 level) OR
HIST-	One course on Labor History in Canada (at or above the 2000 level)
HIST-	One course in area of Genocide and Ethnic Cleansing (at or above the 2000 level) OR
HIST-	One course in Modern European History (at or above the 2000 level)

STREAM 3: INSTITUTIONS, LAW, AND POLITICS

PHIL-2208(3)	War and Peace
CRS-2231(3)	Nonviolent Social Change OR
REL-2404(3)	Religion and Culture: Religions in Encounter and Change
REL-2405(3)	Religion and Culture: The Multifaith Society OR
CRS- 2421(3)	Legal Systems and Alternative Dispute Resolution (ADR)
SOC-2109(3)	Social Policy and Social Welfare OR
MULT-3001(3)	Ethics of Globalization
IDS/CRS-3901(3)	Humanitarian Aid and Conflict: Do No Harm OR
POL-3135(6)	Human Security Issues
WGS-3242(3)	Women and Peacemaking OR
PHIL-3215(6)	Philosophy and Social Reality
POL-3110(3)	International Organization OR
POL-2225(3)	The Idea of Democracy
POL-3120(3)	International Law OR
POL-3300(3)	Public Policy Processes
POL-3400(3)	Aboriginal Politics in Canada OR
POL-3405(3)	Aboriginal Politics in Manitoba

Experimental Courses

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

HRGS-1200(3) Global Citizenship In this course students trace the historical development of the idea of “global citizenship,” interrogating the meanings, contradictions and contentions associated with this term. Through guest speakers and student research on specific issues and injustices that are present in Manitoba communities, and which also have global connections or manifestations, students examine current practices aimed at fostering global citizenship. The future of concepts of or related to global citizenship is addressed by analyzing the rights of democratic citizenship and asking how such rights should be articulated and advanced.

RESTRICTION: Students may not hold credit in this course and HRGS-1600(3)
CROSS-LISTED: International Development Studies IDS-1200

HRGS-1600(3) ADVENTURES IN GLOBAL CITIZENSHIP
 This course is designed to introduce students who are entering university to global challenges and opportunities in human rights and global studies, as well as to cultivate foundational skills for academic success. In both classroom and community settings, students will explore global issues through current news items, literature, and social analysis, with particular emphases shaped by research expertise in

Global College. The course is structured to strengthen skills in critical thinking and analysis, writing, and oral presentations within a human rights framework, as a foundation for increasing student readiness and confidence in a range of post-secondary academic programs.

HRGS-2101(6) Human Rights: Local to Global This course introduces students to human rights theory and practice in a global context, explored from a range of disciplinary perspectives. Course themes may include: legal, moral, and philosophical accounts of human rights; major international and national human rights frameworks/policies; the international human rights movement; tension between sovereignty and human rights; cultural relativism vs. universalism; retrospective justice/reconciliation; human rights methodology/reporting; the role of courts, IGOs, NGOs, and civil society; civil-political vs. economic/social/cultural rights; the intersection of human rights discourses with gender, race, ethnicity, technology, health, indigeneity, foreign policy, militarism, security, labour, and globalization.

HRGS-2310(3) Needs of Refugees and War-Affected Populations Drawing from a variety of disciplines and professions, this course examines the challenges that people encounter in rebuilding their lives after forced displacement. While considering experiences of forced migration around the world, the course focuses primarily on the experiences of war-affected populations in Canada related to social integration, employment, and public services. The course highlights specific case studies and strategies to improve services to war-affected populations.

HRGS-2650(3) Special Topics in Human Rights and Global Studies This course focuses on current issues in Human Rights and Global Studies, covering political, philosophical, economic, religious, and ethical issues. Topics may include foundations of human rights, comparative systems of social justice, refugee issues, border studies, ethics of globalization, poverty, and history of disease. The course may be repeated if topic varies. Contact the Institute for Human Rights and Global Studies, Global College for more information.

HRGS-3001(3) Capstone on Human Rights and Global Studies This capstone course examines theories and practices of human rights and contemporary global issues, and evaluates on-going cultural, economic, religious, legal, sociological, and ideological debates that continue to influence the promotion of basic human rights. The course is taught within a multidisciplinary theoretical framework. Topics such as war, child labor, genocide, economic ideologies, gender discrimination, and humanitarian work are covered from regional, national, and international perspectives. NOTE: This capstone course is intended for students in the last year of the 3-year HRGS BA program.

HRGS-3410(3) Transitional Justice This course examines transitional justice, the processes by which societies deal with the legacy of widespread human rights abuses after a period of oppression or violent conflict in order to achieve the transition to a just and stable society. The course investigates a variety of transitional justice mechanisms, such as reparations, truth commissions, reconciliation activities, and criminal tribunals.

PREREQUISITE: HRGS 2101(6) or the previous POL-2101(6)
CROSS-LISTED: Conflict Resolution Studies CRS-3410(3)

HRGS-3510(3 or 6) Practicum in HRGS In the Practicum, students integrate theory and classroom knowledge with practice through supervised field work and structured assignments and reflections. The practicum involves volunteer work related to Human Rights and Global Studies

in a relevant organization, and participation in specified seminars and/or written analyses. **Enrollment is subject to approval of a practicum proposal submitted by a student with a declared major in HRGS. Interested students are advised to consult the HRGS Coordinator well in advance of the term in which they wish to enroll.**
PREREQUISITES: HRGS-2101(6) or the previous POL-2101(6)

HRGS-3650(3) Special Topics in Human Rights and Global Studies This course focuses on current issues in Human Rights and Global Studies, covering political, philosophical, economic, religious, and ethical issues. Topics may include foundations of human rights, comparative systems of social justice, refugee issues, border studies, ethics of globalization, poverty, and history of disease. The course may be repeated if topic varies. Contact the Institute for Human Rights and Global Studies, Global College for more information.

HRGS-3311(3) Chinese and East Asian Perspectives on Human Rights This course focuses on conceptions of human rights in the Chinese and East Asian cultural context. While human rights notions are accepted and appreciated in many parts of Asia, the origins of human rights are rooted in Western intellectual discourses centering on notions of the individual and individual autonomy. Asian traditions are, as a rule, conceived on communitarian frameworks where individuality is subsumed within a framework defined by the needs of a community, however defined. The course explores the diversity of Asian views on this topic, with a focus on those emanating from Chinese culture.
CROSS-LISTED: REL/EALC 3704(3)

HRGS-4001(3) Capstone on Human Rights and Global Studies This capstone course examines theories and practices of human rights and contemporary global issues, and evaluates on-going cultural, economic, religious, legal, sociological, and ideological debates that continue to influence the promotion of basic human rights. The course is taught within a multidisciplinary theoretical framework. Topics such as war, child labor, genocide, economic ideologies, gender discrimination, and humanitarian work are covered from regional, national, and international perspectives.. NOTE: This capstone course is intended for students in the last year of the 4-year HRGS BA program.

HRGS-4350(3) Post-Conflict Truth, Memory and Reconciliation The suffering from atrocities during war-time is often seen as producing lingering individual and collective trauma, contributing to either personal dysfunction or successive cycles of violence where oppressed groups become the perpetrators in future regimes or conflicts. This course probes the role of memory in transitional societies, with particular emphasis on using memory to strengthen mechanisms for justice and human rights. Reconciliation projects, ranging from community-based initiatives to formal legislated undertakings such as truth and reconciliation commissions are examined in depth.

PREREQUISITES: HRGS-3410(3) or permission of the instructor
CROSS-LISTED: Conflict Resolution Studies CRS-4350(3)

HRGS-4650(3) Special Topics in Human Rights and Global Studies This seminar course focuses on current issues in Human Rights and Global Studies covering political, philosophical, economic, religious, and ethical issues. Topics may include foundations of human rights, comparative systems of social justice, refugee issues, border studies, ethics of globalization, poverty, and history of disease. The method of teaching may include seminars and film. The course may be repeated for credit if the topic

varies. Contact the Institute for Human Rights and Global Studies, Global College for more information.

HRGS-4671(3 or 6) Independent Study in HRGS An independent study is an individualized course of study or research for advanced students under the supervision of a

faculty member. The faculty supervisor and the student develop a program of reading or research. Typically the student is required to prepare a major paper or other research project and to take an oral examination.
PREREQUISITES: Permission of the instructor

INDIGENOUS STUDIES (IS)

Updated April 9, 2013

Note: The department/program code IS replaces the former codes AG & 80. Students cannot hold credit in IS-xxxx and the former AG.xxxx & 80.xxxx having the same course number (e.g., IS-3100(6) and AG-3100(6) or 80.3100(6)).

Chair: J. Pelletier; Associate Professor

Associate Professor : G. Nemogá

Assistant Professors: L. Fontaine, J. Romanow, S. Shukla

Department Assistant: To be referred to Chair or Faculty, please call 204-786-9305

DEGREES and PROGRAMS OFFERED

3-Year BA in Indigenous Studies

4-Year BA in Indigenous Studies

Honours BA in Indigenous Studies

Master of Arts in Indigenous Governance

Joint Indigenous Studies/Aboriginal Governance Degree/Diploma (RRC/UW)

UNIVERSITY OF WINNIPEG DEGREES and PROGRAMS

The Department of Indigenous Studies/IS (formerly the Aboriginal Governance Program) is grounded in the intellectual and cultural heritage of Indigenous peoples in Canada and around the globe. Students from all backgrounds and disciplines develop critical thinking skills through interdisciplinary coursework offered by the IS faculty and other departments including politics, anthropology, history, religious studies, and conflict resolution studies. IS recognizes and honors the central role of language as carrier of culture, conveyor of tradition and knowledge, and signifier of individual and community identity by supporting the teaching of the indigenous languages Ojibwe and Cree. The relationship of the IS with Indigenous peoples in Canada and abroad is one of reciprocity and support. The preparation of students includes the introduction of alternative world views involving interrelated themes of land, self-determination, cultural preservation and revitalization, indigenous knowledge and natural resources, historical agency, and representations of Indigenous peoples.

We recommend that undergraduate students in the major meet with an Academic Advisor and/or Indigenous Studies faculty to design a major that meets their needs and interests. For example, a student can develop an IS stream concentrating on Indigenous governance, or Indigenous ways of knowing, or representations of Indigenous peoples/cultures. The IS maintains at its core a focus on policies, acts, and treaties that continue to affect the lives of Indigenous peoples and communities: our offerings in the area of indigenous governance or, self-determination and indigenous knowledge and natural resources are particularly strong. Students are encouraged to combine the BA in Indigenous Studies with complementary majors, such as English, Pre-med, Environmental Studies, History, Psychology, etc., to prepare for further education or a desirable career path. IS will be implementing the IS minor with administrative approval as soon as possible.

REQUIREMENTS FOR A 3-YEAR BA IN INDIGENOUS STUDIES

ADMISSION REQUIREMENT	Students must consult with an Academic Advisor for program planning.
GRADUATION REQUIREMENT	90 credit hours (this includes 30 credit hours from the ASGA Red River College program if applicable)
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours (may be met with IS language courses)
Science:	6 credit hours
Writing:	Minimum 3 credit hours of Academic Writing (This requirement is waived for students who hold the ASGA Diploma from Red River College.)
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. Students in the Joint Degree/Diploma Program may only use a maximum of 18 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum of three (3) credit hours from five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours/Maximum 48 credit hours. Minimum of 12 credits hours with the IS designator.
Double Major:	Normally minimum 33 credit hours in the Department of Indigenous Studies and specified number of credit hours in other Major; may vary depending on Interdisciplinary courses completed as they may be able to be credited to both Majors.

Students may take a maximum of 6 credit hours of Directed Reading towards the major requirements.

Students may not count the same course for more than one of the above categories. Courses worth 6 credits meet the 3 credit

requirement in the required course categories; any additional credits accrued will count toward the IS major credit hours.

Required Courses :(21 credit hours)

IS-1015(6) Introduction to Indigenous Studies

3 credits of Indigenous Histories – may be met by taking any HIST electives accepted for the 3-Yr BA including cross-listed electives but excluding courses listed under “Related Content”;
or by taking IS-2001, IS-3001, IS-3901 with permission of IS Chair.

3 credits of Indigenous Philosophies – may be met by taking any PHIL electives accepted for the 3-Yr BA;
or by taking IS-2001, IS-3001, IS-3901, with permission of IS Chair.

3 credits of Indigenous Cultures/Representations – may be met by taking IS-1101, IS-1201, IS-2010, IS-2040, IS-2050, IS-3101; HIST 3814, any ANTH, SOC, and ENGL electives accepted for the 3-Yr BA, including cross-listed electives;
or by taking IS-2001, IS-3001, IS-3901 with permission of IS Chair.

3 credits of Indigenous Sciences* & Epistemologies – may be met by taking IS-3010, IS-3012/ANTH-3170, ANTH-3220, HIST-3145, any REL elective accepted for the 3-Yr BA including cross-listed electives;
or by taking IS-2001, IS-3001, IS-3901 with permission of IS Chair which will be based on course content.

* Except for the ENV courses, these courses do not yet meet the Science General Degree Requirement.

3 credits of Indigenous Politics/Governance – may be met by taking IS-2010, IS-2040, IS-2050, IS 2301, IS-3010, IS-3100, IS-3101, CRS/IDS-2443, HIST-3145, HIST-3147, HIST-3519, HRSG-2101, any POL elective accepted for the 3-Yr BA but excluding courses listed under “Related Content,” UIC/IS/POL-2020, UIC-3020, UIC-3040, any SOC elective accepted for the 3-Yr BA;
or by taking IS-2001, IS-3001, IS-3901 with permission of DIS Chair.

Students are advised that a 3-Year BA is not normally sufficient for admission to graduate studies.

3-YR BA ELECTIVES: (with Required Courses, to total 33-48 Credit hours)

Indigenous Studies

IS-1101(6) Introductory Cree
IS-1201(6) Introductory Ojibwe
IS-2001 (3 or 6) Special Topics in Indigenous Studies
IS-2010 (3) Indigenous Movements and Resistance in Latin America (experimental)
UIC/IS/POL-2020(3) Colonization and Aboriginal Peoples
UIC/IS/BUS-2030(3) Management & Financial Administration in Aboriginal Communities & Organizations
IS-2040 (3) Indigenous Women and Resilience (experimental)
IS-2050 (3) Indigenous Peoples, Land and Resources (experimental)
IS-2101 (6) Intermediate Cree
IS-2201 (6) Intermediate Ojibwe
UIC/IS-2301(3) Community Development
IS-3001(3 or 6) Special Topics in Indigenous Studies
IS-3010 (3) The Politics of Indigenous Knowledge and Biodiversity (experimental)
IS-3012(3) Ethnoecology: A Research Approach
UIC/IS-3035(3) Community Leadership: Human Resource Management
IS-3100(6) International Rights of Indigenous Peoples
IS-3101(3) Contemporary American Indian Policy in Cultural Context (experimental)
IS/HIST/WGS 3523(3) **Aboriginal Women’s Twentieth Century History**
IS-3901(3 or 6) Directed Readings

Anthropology

ANTH-2103(3) Ethnography of Native Peoples of North America

ANTH-2202(3) Archaeology of North America
ANTH-2210(3) Rise of the New World Civilization
ANTH-2214(3) Archaeological Field School (IS Chair permission required)
ANTH-2220(3) Archaeological Field School (IS Chair permission required)
ANTH-3120(3) Aboriginal Peoples of Arctic Canada
ANTH /HIST-3126(6) Material Culture in the History of the Aboriginal Peoples of Canada
ANTH 3127 History of Aboriginal Peoples of the Northern Plains
/HIST- 3518(3)
ANTH History of Eastern and Subarctic Algonquian Peoples
/HIST- 3528(3)
ANTH-3132 History of the Iroquoian Peoples
/HIST(3)
ANTH-3220(3) Archaeoastronomy of the Americas
ANTH-3203(6) Archaeological Field School (IS Chair permission required)
ANTH-3133(3) Algonquin Ethnography

Conflict Resolution Studies

CRS/IDS-2443(3) Conflict & Development Issues in Indigenous Communities
CRS-2241(3) Conflict and Culture
CRS-3331(3) Genocide, War and Conflict
CRS-3332(3) Trauma and Violence

English*

ENGL-2722(6) Postcolonial Literatures: an Introduction
ENGL-3717(6) Aboriginal Literatures
ENGL/IS-3723(3) Topics in Indigenous Texts and Cultures (experimental)

Environmental Studies

- ENV-1991 (6)** Environment: Western and Indigenous Perspectives (experimental)
ENV-2991 (6) Impact Assessment and Indigenous Peoples (experimental)
ENV-2992 (3) Indigenous Ecological Law and Policy (experimental)

History*

- HIST-1010(6)** Aboriginal Peoples of the Americas
HIST-2509(6) History of the Aboriginal Peoples of Canada
HIST-2510(3) Aboriginal Peoples in Canada to 1815
HIST-2511(3) Aboriginal Peoples in Canada since 1815
HIST-2525 (3) Eyewitnesses to Canadian History (experimental)
HIST-3119(3) Aboriginal Peoples and Christian Missions
HIST-3145(3) Climate Change and Human Displacement (experimental)
HIST-3146(3) Women and Climate Change (experimental)
HIST-3147(3) Development, Indigenous Property and Extraction (experimental)
HIST/ANTH-3515(6) Material Culture in the History of Aboriginal Peoples of Canada
HIST-3518/ ANTH-3127(3) Aboriginal Peoples of the Northern Plains
HIST-3519(3) Aboriginal Peoples and Treaties
HIST /WGS-3523(3) Aboriginal Women's Twentieth Century History (experimental)
HIST-3525(3) History of the Métis in Canada
HIST-3527(6) History of the Algonquian Nations
HIST-3528(3) History of Eastern and Subarctic Algonquian Peoples
HIST-3532(3) History of the Iroquoian Peoples
HIST-3544(3) History of Winnipeg
HIST-3590(3) Indigenous Health History (experimental)
HIST-3609(6) History of Native American Peoples of the U.S.
HIST-3814(3) Aboriginal Arts

International Development Studies

- IDS/ANTH-2160(3)** Indigenous Peoples & the Industrial State

Human Rights and Global Studies

- HRGS-2101(6)** Human Rights: From Local to Global

Philosophy

- PHIL-2233(3)** Environmental Ethics
PHIL-3500(3)* Philosophical Perspectives: Aboriginal Rights and Liberalism
(Prerequisite waived for Indigenous Studies students)

Politics

- POL-3400(3)** Aboriginal Politics in Canada
POL-3405(3) Aboriginal Politics in Manitoba
POL-3411(3) Aboriginal People & the Law I
POL-3415(3) Aboriginal People & the Law II

Religion & Culture

- REL-2801(3)** Introduction to Aboriginal Spirituality
REL-2802(3) Aboriginal & Christian Encounter
REL-2803(3) Understanding Aboriginal Sacred Narrative
REL/IDS-2804(3) Global Perspectives on Aboriginal Societies, Spiritualities & the Environment
REL-3802(3) Aboriginal Healers
REL-3803(3) Aboriginal Women's Teachings
REL-3804(3) Aboriginal Spirituality: Research Methods

Sociology

- SOC-2105(6)** Race, Ethnic and Aboriginal Relations
SOC-3123(3) Crime, Victimization and Justice in Aboriginal Communities
(Prerequisite waived for Indigenous Studies students)

Urban and Inner City Studies

- UIC/IS/POL-2020(3)** Colonization and Aboriginal Peoples
UIC/IS/BUS-2030(3) Management and Financial Administration for Community Leadership
UIC/IS-2301(3) Community Development
UIC/IS-3035(3) Human Resource Management for Community Leadership

RELATED CONTENT

Conflict Resolution Studies

- CRS-2221(3)** Restorative Justice
CRS-2231(3) Nonviolent Social Change
CRS-2241(3) Conflict and Culture
CRS-3331(3) Genocide, War and Conflict
CRS-3332(3) Trauma and Violence

History

- HIST-2114(3)** From Columbus to Cook: European Encounters with Others, 1450 - 1800
HIST-2503(3) Survey History of Canada: The Colonial Era, 1500-1867
HIST-2504(3) Survey History of Canada: The National Era, 1867-1939
HIST-2506(3) History of the Canadian North
HIST-3005(6) Introduction to Oral History

Politics

- POL-1011(6)** Introduction to Politics
POL-3230(6) Canadian Political Thought (related content)
POL-3315(6) The Canadian Legal System (related content)

Urban and Inner City Studies

- UIC-1001(3)** Introduction to Urban & Inner-City Studies
UIC-2001(3) Community Development/Community Economic Development
UIC-2210 (3) Introduction to Community Advocacy
UIC-2220 (3) Urban Poverty and Policy
UIC-3020(3) Women & the Inner-City
UIC-3030(3) Urban & Community Planning
UIC-3035(3) Human Resource Management
UIC-3040(3) Poverty & Law

*Please note that students may be required to register for prerequisite courses.

REQUIREMENTS FOR A 4-Year BA IN INDIGENOUS STUDIES

ADMISSION REQUIREMENTS	Students must consult with an Academic Advisor in planning their studies. Students must have completed at least 30 credit hours in Indigenous Studies.
GRADUATION REQUIREMENTS	Minimum 120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours (may be met with IS language courses)
Science:	6 credit hours
Social Science:	12 credit hours
Writing:	3 credit hours
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum of 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/maximum 66 credit hours. Maximum 18 credit hours at the 4000 level from the Indigenous Studies 4-Year BA/Honours 4-Year BA Electives. Remaining courses from 3-Year BA Electives. Minimum 21 credits with IS designator.
Double Major:	Minimum 48 credit hours in Indigenous Studies and specified number of courses in other Major.
Combined Major:	Minimum 60 credit hours from each of two different majors with not less than 24 credit hours from each major subject.
Cognates:	Minimum of 18 credit hours / maximum of 36 credit hours of ancillary courses. Maximum total of major and cognate courses is 84 credit hours combined.
Students may take a maximum of 12 credit hours of Directed Reading towards the major requirements.	
Required Courses:	IS-1015(6) Introduction to Indigenous Studies IS-4020(6) Indigenous Self-Determination
	3 credits of Indigenous Histories – may be met by taking HIST electives accepted for the IS major including cross-listed electives but excluding courses listed under “Related Content”; or by taking IS-2001, IS-3001, IS-3901, or IS-4200 with permission of IS Chair.
	3 credits of Indigenous Philosophies – may be met by taking any PHIL electives accepted for the IS major; or by taking IS-2001, IS-3001, IS-3901, or IS-4200 with permission of IS Chair.
	3 credits of Indigenous Cultures/Representations – may be met by taking IS-1101, IS-1201, IS-2010, IS-2040, IS-2050, IS-3101; HIST-3814, any ANTH, SOC, and ENGL electives accepted for the IS major, including cross-listed electives; or by taking IS-2001, IS-3001, IS-3901, or IS-4200 with permission of IS Chair.
	3 credits of Indigenous Sciences* & Epistemologies – may be met by taking IS-3010, IS-3012/ANTH-3170, IS-4021, IS-4022, IS-4024, ANTH-3220, GEOG4450, any REL elective accepted for the IS major including cross-listed electives; or by taking IS-2001, IS-3001, IS-3901, or IS-4200 with permission of IS Chair which will be based on course content. * Except for GEOG-4450, these courses do not <u>yet</u> meet the Science General Degree Requirement.
	3 credits of Indigenous Politics/Governance – may be met by taking IS-2010, IS-2040, IS-2050, IS-3010, IS-3100, IS-3101, IS-4020, IS-4023, IS-4024, CRS/IDS-2443, HIST-3519, HRS-2101, any POL elective accepted for the IS major but excluding courses listed under “Related Content,” UIC/IS/POL-2020, UIC-3020, UIC-3040, UIC-4010, UIC-4020, any SOC elective accepted for the IS major; or by taking IS-2001, IS-3001, IS-3901, or IS-4200 with permission of IS Chair.

REQUIREMENTS FOR AN HONOURS BA IN INDIGENOUS STUDIES

ADMISSION REQUIREMENTS

Students must have completed 30 credit hours with a minimum 3.0 GPA in Honours subject courses (cumulative GPA) and 2.75 GPA (degree GPA) in non-Honours courses. The minimum 3.0 GPA will be based on all attempts (including course repeats and failures) in Honours Subject courses. The minimum 2.75 GPA in all non-Honours courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT 120 credit hours, with minimum 3.0 GPA in Honours and 2.75 in non-Honours subject courses.

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours (may be met with IS language courses)
Science: 6 credit hours
Writing: Minimum 3 credit hours of Academic Writing
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum 3 credit hours from each of 5 different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/ Maximum 78 credit hours
Minimum 21 credit hours in 4000-level Honours courses, minimum 12 credits in 4000-level IS courses.
Double Honours: Minimum 36 credit hours in each Honours subject, minimum 9 credits in 4000-level IS courses.
Minimum 15 credit hours in 4000-level Honours courses

4-YEAR BA/HONOURS ELECTIVES :

Indigenous Studies

IS-4000(3 or 6) Indigenous Studies Practicum
IS-4020/7020 (3) Indigenous Self Determination
IS-4021/7021(6) Pathways to Indigenous Wisdom
IS-4022/7022(6) Indigenous Research Methodologies and Ethics
IS-4023/7023(3) Indigenous Peoples, Globalization & Development (experimental)
IS-4024/7024(3) Biocultural Diversity Conservation: Issues for Indigenous Peoples (experimental)
IS-4200/7200(3 or 6) Seminar in Selected Topics

Anthropology

ANTH-4105(6) Natives and Newcomers in Encounter: Selected Topics

English

ENGL-4717(3) Topics in Aboriginal Literature & Culture I
ENGL-4718(3) Topics in Aboriginal Literature & Culture II

Geography

GEOG-4450(3) Environment and Sustainability 1

History

HIST-4570(6) Native and Newcomers in Encounter: Selected Topics
HIST-4500(6) Tutorial (Independent Study) (IS Chair permission required)

Politics

POL-4440(6) Seminar in Aboriginal Politics

Religion and Culture

REL-4800(3) Topics in Aboriginal Religious Traditions
REL-4802(3) Aboriginal Healers
REL-4803(3) Aboriginal Women's Teachings
REL-4804(3) Aboriginal Spirituality: Research Methods
REL-4990(6) Directed Readings (IS Chair permission required)
REL-4991(3) Directed Readings (IS Chair permission required)

RELATED CONTENT

Anthropology

ANTH-4117 Ethnohistoric Methods and Theory
/HIST-4526(3)

Conflict Resolution Studies

CRS-4413(6) Seminar in Race and Ethnic Relations
CRS-4910(3) Conflict and the Construction of the Other

History

HIST-4530(6) Advanced Studies in Canadian History
HIST-4526 Ethnohistoric Methods and Theory
/ANTH-4117(3)

International Development Studies

IDS-4910(3) Conflict and the Construction of the Other
IDS/CRS-4920(3) Program Planning in Development and Conflict Resolution
IDS/CRS-4922(3) Program Evaluation in Development and Conflict Resolution

Politics

POL-4220(6) Liberty & Community in Canadian Political Thought

Religion & Culture

REL-4999(6) Languages for Religious Studies

Sociology

SOC-4413(6) Seminar in Race and Ethnic Relations

Urban and Inner City Studies

UIC-4010(3) Urban Poverty
UIC-4020(6) Inner-City Workshop

* Please note that students may be required to register for prerequisite courses.

JOINT INDIGENOUS STUDIES/ABORIGINAL GOVERNANCE DEGREE/DIPLOMA (RRC/UW)

This is a combined degree/diploma program in cooperation with Red River College. Diploma graduates are granted a block transfer of 30 credit hours towards a 3-year, 4-year or Honours degree in Indigenous Studies and must complete an additional 60 (3-Year) to 90 (4-Year & Honours) credit hours. Students can expect to complete the combined degree/diploma program in approximately 4 to 5 years.

This joint program with Red River College provides students with the knowledge and skills needed to pursue a career in an indigenous self-government environment. Students have the opportunity to obtain both a Bachelor of Arts in Indigenous Studies from The University of Winnipeg and a Diploma in Self-Government Administration from Red River College. The joint program draws on the distinctive strengths of two institutions to provide students both with a broad, multi-dimensional perspective on indigenous self-governance, and with concrete skills necessary for employment in the self-government field. Students may begin the joint program at either Red River College or The University of Winnipeg.

SUMMARY OF THE RED RIVER COLLEGE ABORIGINAL SELF-GOVERNMENT ADMINISTRATION PROGRAM

Aboriginal Self-Government Administration is a two-year diploma program with an annual September entry date. It will provide training for Aboriginal students in the Aboriginal self-government process. With the ongoing expansion of Aboriginal self-government in Canada today, there is a corresponding need for Canadian Indigenous peoples to be trained in all the fundamental aspects of the self-government process, including knowledge of traditional and existing models, and the skills associated with administration, management, research, and policy analysis.

After successfully completing this program, students will have learned the fundamental aspects of the self-government process. They will be trained to gather and compile information using the most current techniques in information technology, to conduct research, to prepare documentation, to present materials, and to analyze programs and proposals as they relate to self-governance. Students will be prepared to function effectively in environments that are committed or sensitive to issues related to Canadian Indigenous peoples' self-governance.

APPLICATION PROCEDURE

Student must fill out an application for admission at the Red River College Aboriginal Education Programs office. For more information please contact:

Red River College: (204) 632-2148

Required Courses:	(21 credit hours)	CRS-1200(6)	Introduction to Conflict Resolution Studies
		UIC/IS/BUS-2030(3)	Community Leadership: Management and Financial Administration
		POL-2400(6)	Canadian Politics
		POL-3400(3)	Aboriginal Politics in Canada
		POL-3405(3)	Aboriginal Politics in Manitoba

Electives: (18 credit hours) Students must choose from the 3-Year BA or 4-Year BA/ Honours Electives, depending upon the degree sought.

Students are advised that a 3-Yr BA is not normally sufficient for admission to graduate studies.

Red River College Aboriginal Self-Government Administration Diploma Graduates are not entitled to obtain credit towards an IS major in the following University of Winnipeg courses:

IS-1015(6) Introduction to Indigenous Studies

POL-1011(6)	Introduction to Politics
POL-3411(3)	Aboriginal People & the Law I
POL-3415(3)	Aboriginal People & the Law II
HIST-2509(6)	History of the Native Peoples of Canada

COURSE DESCRIPTIONS

IS-1015(6) INTRODUCTION TO INDIGENOUS STUDIES (Le3) This course provides a background on the development of the field of indigenous studies. It is a survey consisting of three primary themes: the diversity of Indigenous cultures; historic and contemporary interactions between the nation-states and indigenous peoples; and representations of Indigenous peoples in literature and other artistic forms. The course explores varied meanings and definitions of indigenism in the milieu of the personal, social, political, legal, academic, and economic. Identity, power, ownership of knowledge, and tensions surrounding authenticity all serve to complicate this topic. While the topic is global, there is a particular focus on Canada.

IS-1101(6) INTRODUCTORY CREE (Le3, La1) This course is intended for students who are not fluent in Cree and have never taken a course in the language. The emphasis is primarily on oral work for the purpose of learning basic sounds, vocabulary, and grammatical patterns. Structural differences between Cree and English are highlighted.

IS-1201(6) INTRODUCTORY OJIBWE (Le3, La1) This course is intended for students who are not fluent in Ojibwe and have never taken a course in the language. The emphasis is primarily on oral work for the purpose of learning basic sounds, vocabulary, and grammatical patterns. Structural differences between Ojibwe and English are highlighted.

IS-2001 (3 or 6) SPECIAL TOPICS IN INDIGENOUS STUDIES (Le3) The contents of this course focus on particular aspects of Indigenous Studies and may include topics on philosophical, ecological, social, economic, political or other issues. Topics accord with each scholar's area of expertise, and will consist of material and assignments appropriate to a 2xxx level course. This course may be repeated for credit when the topic varies.
PREREQUISITES: IS-1015

IS-2101(6) INTERMEDIATE CREE (Le3, La1) This course is an intermediate course in the Cree language. It serves as a continuation of Introductory Cree (IS 1101, formerly ABOR 1101) or as the entry-level course for fluent speakers of Cree. The course focuses primarily on oral conversational skills, vocabulary and grammatical patterns. Attention is paid to Cree orthography, composition and translation. The lab component provides one-on-one and small group interactions intended to enhance language acquisition and provide additional opportunities for language practice and usage.
PREREQUISITES: IS-1101 **OR** instructor's permission

IS-2201(6) INTERMEDIATE OJIBWE (Le3, La1) This course is an intermediate course in the Ojibwe language. It serves as a continuation of Introductory Ojibwe (IS 1201, formerly ABOR 1201) or as the entry-level course for fluent speakers of Ojibwe. The course focuses primarily on oral conversational skills, vocabulary and grammatical patterns. Attention is paid to Ojibwe orthography, composition and translation. The lab component provides one-on-one and small group interactions intended to enhance language

acquisition and provide additional opportunities for language practice and usage.

PREREQUISITES: IS-1201 **OR** instructor's permission

IS-2020 (3) COLONIZATION AND ABORIGINAL PEOPLES (Le3) This course examines the Aboriginal colonial experience, particularly in Western Canada, and the impact colonization has had and continues to have on the relationship between Aboriginal peoples and Canadian governments. This course emphasizes the contemporary effects of colonization, particularly as regards identity issues and how they play out in the urban and inner-city environment, and also processes and strategies for decolonization.

CROSS-LISTED: POL-2020 and UIC-220

IS-2030 (3) MANAGEMENT AND FINANCIAL ADMINISTRATION FOR COMMUNITY LEADERSHIP (Le3) As small-scale and not-for-profit structures, community-based and aboriginal organizations often face unique challenges and political/cultural realities in terms of overall management and operations. This course provides students with a good understanding of the key facets of management and administrative structures within the community and aboriginal sectors in particular. Key topics include organizational structures and management controls, financial statements and budgeting, performance measurement, strategic planning and operations analysis and evaluation.

PREREQUISITES: IS-1015 or UIC-1001

CROSS-LISTED: BUS-2030 and UIC-2030

IS-2301(3) COMMUNITY DEVELOPMENT (Le3) This course is an introduction to the idea of community development and community economic development. The course considers the principles and philosophy of community development/community economic development, and examines the key elements of CD/CED including neighborhood revitalization; housing development and rehabilitation; employment development and training; and social enterprise.

CROSS-LISTED: UIC-2001

IS-3001(3 or 6) SPECIAL TOPICS IN INDIGENOUS STUDIES (Le, S3 or 6) The contents of this course focus on particular aspects of Indigenous Studies and may include topics on philosophical, ecological, social, economic, political or other issues. Topics accord with each scholar's area of expertise, and will consist of material and assignments appropriate to a 3xxx level course. This course may be repeated for credit when the topic varies.

PREREQUISITES: IS-1015

IS-3012(3) ETHNOECOLOGY: A RESEARCH APPROACH (Le3) This course underscores the traditional ecological knowledge systems of Indigenous and local communities by examining the interactions among these communities, their knowledge, and the local environments that have sustained over time. Key themes include traditional food and medicinal plants, traditional natural resources management systems, and learning within indigenous knowledge and indigenous

cultural landscapes. Such learning is explored through global case studies. Research approaches, tools, methods and ethical issues surrounding ethnoecological research within local and Indigenous communities are also explored. This course helps in developing academic and research skills in conducting interdisciplinary research that examines the relationships between nature and culture.

PREREQUISITES: IS-1015, OR UIC-1000 OR IDS-1100 OR ANTH-1001 OR ANTH-1002 OR PERMISSION OF INSTRUCTOR
CROSS-LISTED: ANTH-3170(3)

IS-3035 (3) HUMAN RESOURCE MANAGEMENT FOR COMMUNITY LEADERSHIP (Le3) Human resource management concepts covered include job analysis, descriptions and specifications with particular emphasis on strategies for recruitment, retention and career advancement of inner-city populations. The course provides an understanding of human resource management within the context of the specific issues facing the inner city and the root causes of under-employment and low rate of participation in the economy in those communities.
CROSS-LISTED: UIC-3035(3)

IS-3100(3) INTERNATIONAL RIGHTS OF INDIGENOUS PEOPLES (Le3) This course examines current developments at the international level with respect to the rights of Indigenous peoples, particularly the right to self-determination. The course examines decolonization as used in reference to Indigenous peoples. It includes a review of the Draft Declaration of Indigenous peoples and the Organization of American States Draft Declaration. The course reviews the United Nations bodies that deal with Indigenous issues. International Indigenous peoples' rights to land and treaty interpretation are considered and compared to Canada's current policy in maintaining a colonial relationship. Developments and issues of concern to the Indigenous Peoples Permanent Forum are covered.
PREREQUISITES: IS-1015

IS-3901(3 or 6) DIRECTED READINGS (D3 or 6) In this course, readings and assignments in the area of Indigenous Studies are arranged between an individual student and the instructor. Topics may not duplicate regular course offerings in Indigenous Studies or other departments. This course is an opportunity to explore a specialized topic in the interdisciplinary context of the field. Examples of potential topics: comparing Canadian and New Zealand/Aotearoa treaty rights efforts; analyzing artistic forms of Indigenous political resistance; exploring health implications of indigeneity in settler societies; or ethnohistorical research on early Winnipeg Aboriginal community organizations.
PREREQUISITES: IS-1015 AND permission of instructor.

IS-3523(3) ABORIGINAL WOMEN'S TWENTIETH CENTURY HISTORY (Le, S3) This course examines Métis, Inuit and First Nations women's history in Canada. The course covers a variety of themes, including Indigenous women's health, labour and education history; histories of sexual, legal, and social regulation of Indigenous women; and formal, informal, local and national women's organizations. Students also engage in historical interpretation of a variety of different kinds of historical evidence and consider the creative work of Indigenous women in diverse cultural fields including art, film, music and literature.
CROSS-LISTED: History HIST-3523(3), Women's and Gender Studies WGS-3523(3).

IS-4000(3 or 6) INDIGENOUS STUDIES PRACTICUM (A3 or 6) This course offers experience in Indigenous Studies under the guidance and supervision of faculty and on-site personnel. The course is arranged between the student, the

instructor, and a site willing to provide relevant experience in a setting related to a topic in Indigenous Studies. The hours spent on-site will be determined according to the number of credits. Examples of possible practicum sites: indigenous community organizations, indigenous governmental or other institutions; museums or art galleries working on Indigenous exhibits or productions; non-indigenous governmental or NGO entity dealing with Indigenous peoples or issues; or an indigenous business or media outlet
PREREQUISITES: IS-1015 AND permission of instructor

IS-4020/7020(6) INDIGENOUS SELF-DETERMINATION (Le3) This course brings to the academy a pivotal concept for the present and future of Indigenous peoples. How Indigenous peoples face and deal with colonization, imperialism, and globalization will depend upon the critical understanding and realizations of self-determination. The legal, political, social, and cultural connotations around self-determination for Indigenous peoples are considered. The course is focused not only on theoretical considerations but is designed to bring issues of self-determination into the collective and individuals lives of those who identify themselves with the concerns of Indigenous peoples. There are different and more stringent requirements for students enrolled at the 7xxx level.
PREREQUISITES: IS-1015 for IS-4020 students

IS-4021/7021(6) PATHWAYS TO INDIGENOUS WISDOM (Le3) In this course, students' assumptions and world views are challenged and enriched by a deep and complex understanding of Indigenous ways of knowing. By decolonizing and indigenizing the mind, students are open to imagining and, later, implementing strategies that are embedded in indigenous teachings. The course emphasizes the importance of critical thinking through the examination and immersion into indigenous epistemologies and brings to the program the instructor's expertise in First Nation's governance, development efforts and systems. There are different and more stringent requirements for students enrolled at the 7xxx level.
PREREQUISITES: IS-1015 for IS-4021 students

IS-4022/7022(6) INDIGENOUS RESEARCH METHODOLOGIES AND ETHICS (Le3) This course provides a review of the movement towards the decolonization of the Western model of research and the revitalization of Indigenous research frameworks and methodologies. The course also offers analysis of Western research methods and both their histories in colonial practices as well as their potential usefulness in Indigenous community-based research. The unique issues and principles involving ethical research in Indigenous communities are explored. The course also includes an overview of the governance by Indigenous communities of their own research and ethical review processes. There are different and more stringent requirements for students enrolled at the 7xxx level.
PREREQUISITES: IS-1015 for IS-4022 students

IS-4200/7200 (3 or 6) SEMINAR IN SELECTED TOPICS (Le3 or 6) This course focuses on particular aspects of Indigenous Studies, with a particular focus on Indigenous governance/policy. The selected topic is discussed in seminar format. It may be approached in a variety of ways, including philosophical, ecological, social/cultural, economic, political, or artistically. The course may be repeated for credit when the topic varies. There are different and more stringent requirements for students enrolled at the 7xxx level of this course.
PREREQUISITES: IS-1015 for IS-4200 students

Experimental Courses

Experimental Courses are new courses offered on a trial basis to gauge interest in a topic. Students who successfully complete any experimental course receive credit as indicated.

Students are advised to consult with the IS Chair on the availability of experimental courses.

IS-2010 (3) INDIGENOUS MOVEMENTS & RESISTANCE IN LATIN AMERICA (Le3) The process of colonization and the struggle for territories and resources is not over for indigenous communities in Latin America. Students learn about exploration and appropriation of indigenous territories for gold, coal, oil, timber, mineral and natural resources. Indigenous peoples in Latin America are creatively resisting megaprojects that destroy life and cultures. Students learn about new initiatives and organizational processes as Indigenous Peoples move from the margins to play central roles in some Latin American states. Students analyze Indigenous movements from Mesoamerica and South America encountering the impacts of globalization and gain a comparative perspective.

PREREQUISITES: IS-1015

IS-2040 (3) INDIGENOUS WOMEN AND RESILIENCE (Le3) The contributions and resilience of Indigenous (First Nations, Métis, Inuit) women have become increasingly well known in the North American and international political, economic, and cultural arenas. Contrary to historical representations and stereotypes, Indigenous women have been leading advocates, actors, and activists in Indigenous struggles for centuries, making significant contributions to their families, communities, and nations. Of importance are the policies that reflect changing perceptions and approaches to the "Indian problem," with particular focus on gender. Students develop critical thinking skills as we consider stereotypes and the impact they have on law and Indigenous rights in Canada and internationally.

PREREQUISITES: IS-1015

IS-2050 (3) INDIGENOUS PEOPLES, LANDS, AND RESOURCES (Le3) Indigenous peoples are enmeshed in the expanding modern economy and their land and resources are under greater pressure than ever before. More Indigenous communities are focusing on new types of local development projects. Their ability to control development projects within their traditional lands hinges on secure and protected property rights. This course explores issues surrounding indigenous peoples globally and their relationship to natural resource development. It is a study of the national and international level legal frameworks for indigenous resource and property rights. It analyzes conflicts associated with traditional development projects and explores the contradictions and possibilities for indigenous communities.

PREREQUISITES: IS-1015

IS-3010(3) THE POLITICS OF INDIGENOUS KNOWLEDGE AND BIODIVERSITY (Le3) This course focuses on emerging issues for Indigenous peoples regarding the use and exploitation of their knowledge and biological resources. It examines international case studies where the rights over knowledge and the stewardship of biodiversity of Indigenous peoples have been threatened. The course also covers examples where Indigenous peoples have been successful in managing and protecting their environment and associated knowledge. The readings are selected from both Indigenous and non-indigenous scholars. The encroachment of the State into Indigenous lives and lands because of the availability and importance of genetic

information is to be analyzed. The methodology for this course includes analysis and evaluation of community and institutional research protocols.

PREREQUISITES: IS-1015

IS-3101(3) CONTEMPORARY AMERICAN INDIAN POLICY IN CULTURAL CONTEXT (Le3) This course will explore the cultures of contemporary American Indians through the context of policy. It will examine the topic through a variety of texts, including ethnography, primary and secondary sources. It will provide students with an important comparative overview of the contemporary diversity of American Indian cultures (with necessary historical grounding), and to particular issues of importance for many American Indian societies at this time, including education, land claims, sovereignty, and socio-economic disparities. Policies covered include the Indian Reorganization Act, the Native American Graves Protection and Repatriation Act, the Indian Gaming Regulatory Act, and the Indian Child Welfare Act.

PREREQUISITES: IS-1015

IS-4023/7023(3) INDIGENOUS PEOPLES, GLOBALIZATION AND DEVELOPMENT (Le3) Indigenous peoples today are enmeshed in the expanding modern economy, subject to the pressures of both market and government. More and more indigenous communities are rejecting the traditional capitalist vision of development as human and environmental exploitation and focusing on new types of local development projects. This course analyzes some of the conflicts associated with traditional development projects in indigenous communities. Taking indigenous peoples as actors, not victims, as its starting point, the class will then examine innovations in indigenous economic development that are culturally respectful, environmentally responsible and build a new sense of community. There are different and more stringent requirements for students enrolled at the 7xxx level.

PREREQUISITES: IS-1015 for IS-4023 students

IS-4024/7024(3) BIOCULTURAL DIVERSITY CONSERVATION: ISSUES FOR INDIGENOUS PEOPLES (Le3) The interconnectedness between biological and cultural diversity underscores the critical need for protecting biodiversity and Indigenous cultures. The course addresses worldwide concerns regarding the loss of biological and cultural diversity. The central premise of the course is the interrelationship between Indigenous people and their environment. The course provides comprehensive reading material and learning strategies for developing a holistic understanding of the current global trends on conservation and bioprospecting activities. The course discusses strategies and mechanisms for the protection of Indigenous peoples' ancestral rights to traditional knowledge and biological resources. There are different and more stringent requirements for students enrolled at the 7xxx level.

PREREQUISITES: IS-1015 for IS-4024 students

INTERNATIONAL DEVELOPMENT STUDIES (IDS)

(OFFERED IN COOPERATION WITH MENNO SIMONS COLLEGE)

Updated Feb. 4, 2013

Note: The department/program code IDS replaces the former code 60. Students cannot hold credit in IDS-xxxx and the former 60.xxxx having the same course number (e.g., IDS-1100(6) and 60.1100(6)).

Coordinator: Associate Professor: R. Rempel; Professor: J. Buckland; Assistant Professors: K. Patel, J. Sears, R. Vander Zaag.

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA
Minor

INTRODUCTION

International Development Studies (IDS) is an interdisciplinary major that challenges students to explore the causes and consequences of processes that promote some individuals, communities, and nations, and exclude others. Moreover, IDS students are prepared for citizenship in an increasingly interdependent global community and are encouraged to envision paths towards a transformed, just world. The IDS program is jointly offered by Menno Simons College (MSC) and the University of Winnipeg. The interdisciplinary major of IDS can be taken alone or can be effectively combined with another major like Anthropology, Conflict Resolution, Economics, Environmental Studies, Politics, or Sociology. All MSC students register as University of Winnipeg students and all degrees are University of Winnipeg degrees. (For additional information about Menno Simons College, see Section XII.)

The IDS program builds on the strength of College-offered interdisciplinary courses, referred to as IDS Core Courses, and University-offered disciplinary courses, referred to as IDS Area Courses. IDS Core Courses accent problem-based analysis and creative thinking within an explicit ethical framework, rooted in community. IDS Core Courses also address both theoretical and practical development issues. IDS Area Courses include key courses offered by traditional disciplines and interdisciplinary programs that have historically been engaged in, or relate to, the study of development. The IDS program focuses on development processes at the global, national and community levels, but gives particular emphasis to development at the community level and to the work of non-governmental organizations and popular movements. Students in the IDS program are encouraged to engage in experience-based learning through the College's practicum program.

Students choosing to major in IDS should consider the following points:

1. The 3-Year IDS BA is designed to serve students with an interest in international issues, but who are not necessarily planning to seek work or do further study in the field of IDS. The 4-Year IDS BA is designed to serve students who plan to work in the field of development, whether overseas or in North America. The IDS Honours BA is designed to prepare students for graduate studies in IDS or in a related field.
2. The IDS Minor complements a student's major area of study with a focus on initiatives that address poverty and marginalization at the local, national or global level. Students have the option of consulting with the Menno Simons College Academic Advisor for assistance in planning a Minor.
3. From 2007-08 requirements for the 3-Year IDS BA have undergone a small change and requirements for the 4-Year IDS BA have undergone a significant change from 2005-06. Students who have registered at the University of Winnipeg prior to 1 May 2006 may choose to follow the old IDS degree requirements or to adopt the new ones. Students who register after 1 May 2006 must follow the new requirements detailed below.
4. Please note that some IDS Area Courses have course prerequisites. IDS students are expected to complete these prerequisites or make alternative arrangements with the particular department or program.

REQUIREMENTS FOR A 3-YEAR BA IN INTERNATIONAL DEVELOPMENT STUDIES

ADMISSION REQUIREMENT	Students must consult with an IDS Academic Advisor in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major:	Minimum 36 credit hours from International Development Studies (IDS); Core Courses (18 credit hours) and IDS Area Courses (18 credit hours). Maximum 48 credit hours from IDS Core Courses.
Double Major:	Minimum 36 credit hours from International Development Studies (IDS); Core Courses (18 credit hours) and IDS Area Courses (18 credit hours). Maximum 48 credit hours from IDS Core Courses. Students must also meet the specified number of credit hours from the other major (may vary since some courses can be credited to both majors).

Students are required to take 36 credit hours in IDS, selected as follows:

A minimum of 18 credit hours from the group titled IDS CORE COURSES.

A minimum of 18 credit hours from the group titled IDS AREA COURSES.

In meeting the IDS CORE COURSES requirement, all the following courses must be completed:

IDS-1100(6)	Introduction to International Development Studies
IDS-2110(3)	Participatory Local Development* (formerly IDS-3110(3))
IDS-3111(3)	An Analysis of Development Aid Policies*

In meeting the IDS AREA COURSES requirement, a minimum of 6 credit hours must be chosen from the following:

ANTH-2100(3)	Method and Theory in Cultural Anthropology*
ECON-1104(3)	Introduction to Economic Theory, or ECON-1102(3) Introduction to Economics: Micro AND ECON-1103(3) Introduction to Economics: Macro, or ECON-1106(3) Introduction to Economic Development
GEOG-3402(3)	Urbanization In The Developing World*
POL-3110(3)	International Organization* or POL-2100(6) Global Politics or POL-3105(3) Global Political Economy* or POL-3130(3) Canada in World Affairs*
ENV/IDS-2603(3)	Environmental Sustainability: A Global Dilemma*
SOC-3101(6)	Globalization and Social Justice: A Sociological Perspective* or SOC-3104(6) Globalization and Societies in the World System*
CRS-2241(3)	Conflict and Culture* or CRS-3931(3) Conflict Resolution and Human Rights*
WGS-2416(3)	Sex, Gender, Space and Place*

Combined Major: Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.

Prescribed courses:

IDS-1100(6)	Introduction to International Development Studies
IDS-2110(3)	Participatory Local Development* (formerly IDS-3110(3))
IDS-3111(3)	An Analysis of Development Aid Policies *

Additional required IDS courses are to be determined in consultation with the IDS Program Coordinator or IDS Academic Advisor. In addition to the minimum 18 credit hours from each major subject, students can count IDS Area courses toward the required minimum 48 credit hours.

REQUIREMENTS FOR A 4-YEAR BA IN INTERNATIONAL DEVELOPMENT STUDIES

ADMISSION REQUIREMENT Students must consult with an IDS Academic Advisor in planning their course of study. Minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major:

Minimum 54 credit hours from IDS Core Courses (30 credit hours) and IDS Area Courses (24 credit hours).

Maximum 84 credit hours from IDS Core and Area Courses.

Double Major:

Minimum 54 credit hours from IDS Core Courses (30 credit hours) and IDS Area Courses (24 credit hours). Maximum 84 credit hours from IDS Core and Area Courses. Students must also meet the specified number of credit hours from the other major (may vary since some courses can be credited to both majors).

As IDS is an interdisciplinary major, the normal disciplinary four-year maximum of 66 credit hours is extended to permit students to take the maximum from the IDS Core Courses (60 credit hours) plus the minimum from the IDS Area Courses (24 credit hours). IDS Area Courses beyond 24 credit hours can be used to meet cognate requirements or as electives for graduation requirements.

Cognate: Minimum 18 credit hours/maximum 36 credit hours with a minimum 9 credit hours/maximum 15 credit hours from designated applied research or skills-related courses, plus a minimum 3 credit hours/maximum 6 credit hours of language study courses.

Minimum Major and Cognate Courses: 72 credit hours.

The cognate requirement is in addition to the major requirement (minimum 54 credit hours). Cognate requirements beyond the minimum of applied research or skills-related courses (9 credit hours) and language study courses (3 credit hours) can be met through IDS Core or Area Courses, as long as the sum of Cognate and Major Requirements is the minimum 72 credit hours.

Maximum Major and Cognate Courses: 90 credit hours

In meeting the IDS CORE COURSES requirement, all the following courses must be completed:

IDS-1100(6)	Introduction to International Development Studies
IDS-2110(3)	Participatory Local Development* (formerly IDS-3110(3))
IDS-2171(3)	Crisis, Humanitarian Aid and Development* (formerly Crisis, Vulnerability and Development)
IDS-3101(3)	Development Ethics*
IDS-3111(3)	An Analysis of Development Aid Policies*
IDS-3199(3)	Practicum in International Development Studies*
IDS-4100(3)	Senior Seminar in International Development Studies*
IDS-4920(3)	Program Planning in Development and Conflict Resolution* or IDS-4922(3) Program Evaluation in Development and Conflict Resolution*

In meeting the IDS AREA COURSES requirement, the following course must be completed:

ECON-1104(3)	Introduction to Economic Theory, or ECON-1102(3) Introduction to Economics: Micro and ECON-1103(3) Introduction to Economics: Macro, or ECON-1106(3) Introduction to Economic Development. (Note: If ECON-1102(3) and ECON-1103(3) are taken, only three (3) credit hours are needed from the short list below.)
---------------------	---

Plus a minimum of 6 credit hours must be chosen from the following:

ANTH-2100(3)	Method and Theory in Cultural Anthropology*
GEOG-3402(3)	Urbanization In The Developing World*
POL-3110(3)	International Organization* or POL-2100(6) Global Politics or POL-3105(3) Global Political Economy* or POL-3130(3) Canada in World Affairs*
ENV/IDS-2603(3)	Environmental Sustainability: A Global Dilemma*
SOC-3101(6)	Globalization and Social Justice: A Sociological Perspective* or SOC-3104(6) Globalization and Societies in the World System*
CRS-2241(3)	Conflict and Culture* or CRS-3931(3) Conflict Resolution and Human Rights*
WGS-2416(3)	Sex, Gender, Space and Place*

In meeting the IDS Cognate requirement, a minimum of 9 /maximum of 15 credit hours must be completed from the following (note: courses marked with * have prerequisites):

Research Methods Courses

IDS/CRS-3920(3)	Action Research Methods*
ANTH/HIST-3117/4117(3)	Ethno Historic Methods and Theory*
ANTH-3125/4125(3)	Ethnographic Research Methods*
ECON-3201(3)	Introduction to Econometrics*
ECON-3316(3)	Cost Benefit Analysis*
ECON-4201(3)	Econometrics*
ENV-3609(3)	Research Methods Design*
ENV-3610(3)	Research Projects*
ENV-4611(6)	Environmental Impact Assessment*
HIST-3005(6)	Introduction to Oral History
HIST-3526/4526(3)	Ethnohistoric Methods and Theory*
PSYC-2101(3)	Introduction to Data Analysis*
PSYC-2102(3)	Introduction to Research Methods*
SOC-2125(3)	Introduction to Quantitative Research Methods*
SOC-2126(3)	Introduction to Research Design and Qualitative Research*
SOC-3116(3)	Applied Research Methods*
SOC-4116(3)	Seminar in Quantitative Research Methods*
SOC-4126(3)	Seminar in Qualitative Research Methods*

STAT-1301(3)	Statistical Analysis I*
STAT-1302(3)	Statistical Analysis II*
WGS-3200(6)	Feminist Research Methodologies Seminar*

Skills Related Courses

CRS-2252(3)	Conflict and Communication*
CRS-2271(3)	Conflict Within Groups*
CRS-2431(3)	Negotiation Theory and Practice*
IDS/CRS-4920(3)	Program Planning in Development and Conflict Resolution*
IDS/CRS-4922(3)	Program Evaluation in Development and Conflict Resolution*
RHET-2131(3)	Professional Style and Editing*
RHET-2145(3)	Theories and Practices of Oral Communication*
RHET-2350(3)	Reading and Writing Online*
RHET-3340(3)	Strategies for Technical and Professional Communication*

Language Courses

Four-year IDS majors must take a minimum 3/maximum 6 credit hours of language study. For students whose first language is not English, a course from Rhetoric & Communications may be substituted, with permission from the IDS Academic Advisor or IDS Program Coordinator.

FREN-1001(6)	Introductory French*
FREN-1111(6)	Practical Language Skills*
SPAN-1001(6)	Introductory Spanish
SPAN-2001(6)	Intermediate Spanish*

Other language courses may be eligible for IDS credit ; please contact the IDS Academic Advisor.

The IDS Program is implementing new skills-related learning for the 4-Year Program. If you are interested to learn more, view the document, "Skills Learning to Engage in International Development," available on the IDS website (<http://mscollege.ca/downloads/Skills%20Learning%20in%20IDS.pdf>). In special cases, some skills learning courses may be available for academic credit BUT you must contact the IDS Program Coordinator or IDS Academic Advisor for permission.

Combined Major: Minimum 60 credit hours from two different majors with a minimum of 24 credit hours from each major subject.

Prescribed courses:

IDS-1100(6)	Introduction to International Development Studies
IDS-2110(3)	Participatory Local Development* (formerly IDS-3110(3))
IDS-3101(3)	Development Ethics*
IDS-3111(3)	An Analysis of Development Aid Policies*
IDS-3199(3)	Practicum in International Development Studies*
IDS-4100(3)	Senior Seminar in International Development Studies*

Additional required IDS courses are to be determined in consultation with the IDS Program Coordinator or IDS Academic Advisor.

REQUIREMENTS FOR AN HONOURS BA IN INTERNATIONAL DEVELOPMENT STUDIES

ADMISSION REQUIREMENT

Entry into the Program after completing a minimum of 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses* and 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e. F's are not included, and in the case of repeated courses, only the highest grade will be used).

Students must consult with the IDS Honours Advisor (IDS Program Coordinator) in planning their course of study.

***Honours Subject courses are defined as the required IDS Core and Area courses plus the courses taken to meet the minimum IDS Honours Theory and Research requirements.**

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree:	Minimum 60 credit hours
Honours:	Minimum 30 credit hours, including minimum 18 credit hours at the 3/4000 level, and a minimum of 12 credit hours at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours:

Minimum 63 credit hours from International Development Studies: Core Courses (36 credit hours) and Area Courses (27 credit hours). In addition, 6 credit hours of designated Theory Courses (listed below) and 9 credit hours of designated Research Courses (listed below) must be completed.

Maximum 78 credit hours from IDS Core and Area Courses. Single Honours students are required to take a minimum of 30 credit hours at the 3/4000 level, of which 15 credit hours must be at the 4000 level.

As IDS is an interdisciplinary major, students may use IDS Area Courses beyond 27 credit hours as electives to meet graduation requirements.

Note: Not all Honours (4000 level) courses are offered every year. Students must plan their program in advance and in consultation with the IDS Honours Advisor (IDS Program Coordinator) to ensure they are able to meet graduation requirements by their anticipated final year of study.

IDS Core Courses (36 credit hours)

Required IDS Core Courses:

IDS-1100(6)	Introduction to International Development Studies
IDS-2110(3)	Participatory Local Development* (formerly IDS-3110(3))
IDS-3101(3)	Development Ethics*
IDS-3111(3)	An Analysis of Development Aid Policies*
IDS-3199(3)	Practicum in International Development Studies*
IDS-4100(3)	Senior Seminar in International Development Studies*
IDS-4110(6)	Development Theory*
IDS-4120(3)	Honours Thesis*

Plus 6 credit hours selected from the following IDS Core Courses:

IDS-2130(6)	A History of the Developing World*
IDS-2183(3)	African Development Issues*
IDS-2184(3)	Asia/Pacific Development Issues*
IDS-2185(3)	Latin America/Caribbean Development Issues*

IDS Area Courses (27 credit hours)

Required IDS Area Courses:

ECON-1104(3) Introduction to Economic Theory, or **ECON-1102(3)** Introduction to Economics: Micro AND **ECON-1103(3)** Introduction to Economics: Macro, or **ECON-1106(3)** Introduction to Economic Development.

Plus an additional 24 credit hours of IDS Area courses or 21 credit hours if ECON-1102(3) and ECON-1103(3) are chosen. The selection of IDS Area courses by Honours students should be done in consultation with the IDS Honours Advisor (IDS Program Coordinator).

Cognate, Theory and Research Methods Courses (note: courses marked with * have prerequisites)

Theory Courses: a minimum of 6 credit hours selected from the following:

ANTH-3100/4100(3)	History of Anthropology*
ANTH-4401(3)	Semiotics and Structuralism*
CRS/IDS-3910(3)	Peace Theory and Practice*
CRS/IDS-4910(3)	Conflict and the Construction of the Other*
ECON-2101(3)	Intermediate Economics: Micro*
ECON-2102(3)	Intermediate Economics: Macro*
ECON-3321(3)	History of Economic Thought I*
ECON-3322(3)	History of Economic Thought II*
ENGL-3151(6)	Critical Theory: An Introduction*
PHIL-2200(6)	Social and Political Philosophy
PHIL-2201(6)	Moral Philosophy
POL-2225(6)	The Idea of Democracy
POL-3250(3)	Violence, Hegemony and the Rise of Mass Politics
POL-3255(3)	Liberals, Marxists and Anarchists
POL-4200(3)	Feminist Political Thought*
POL-4215(6)	Seminar in Political Thought*
RHET-3138(3)	Modern Rhetorical Theory*
RHET-3151(3)	Critical Studies of Discourse*
WGS-3301(3)	Feminisms: Background and Fundamentals*
WGS-3302(3)	Feminisms: Current Perspectives*
WGS-4004(3)	Feminist Cultural Studies*
WGS-4200(3)	Advanced Feminist Theory*

Research Methods Courses: a minimum of 9 credit hours selected from the following:

IDS/CRS-3920(3)	Action Research Methods*
ANTH-3117/4117(3)	Ethno Historic Methods and Theory*
ANTH-3125/4125(3)	Ethnographic Research Methods*
ECON-3201(3)	Introduction to Econometrics*
ECON-3316(3)	Cost Benefit Analysis*

ECON-4201(3)	Econometrics*
ENV-3609(3)	Research Project Design*
ENV-3610(3)	Research Projects*
ENV-4611(6)	Environmental Impact Assessment*
HIST-3005(6)	Introduction to Oral History
HIST-3526/4526(3)	Ethnohistoric Methods and Theory*
PSYC-2101(3)	Introduction to Data Analysis*
PSYC-2102(3)	Introduction to Research Methods*
SOC-2125(3)	Introduction to Quantitative Research Methods*
SOC-2126(3)	Introduction to Research Design and Qualitative Research*
SOC-3116(3)	Applied Research Methods*
SOC-4116(3)	Seminar in Quantitative Research Methods*
SOC-4126(3)	Seminar in Qualitative Research Methods*
STAT-1301(3)	Statistical Analysis I*
STAT-1302(3)	Statistical Analysis II*
WGS-3200(6)	Feminist Research Methodologies Seminar*

Double Honours: Minimum 36 credit hours in each Honours subject, including:

IDS-1100(6)	Introduction to International Development Studies
IDS-2110(3)	Participatory Local Development* (or the former IDS-3110(3))
IDS-3111(3)	An Analysis of Development Aid Policies*
One of	IDS-2183(3) African Development Issues*, IDS-2184(3) Asia Pacific Development Issues*, or IDS-2185(3) Latin America/Caribbean Development Issues*
IDS-3101(3)	Development Ethics*
IDS-3199(3)	Practicum in International Development Studies*
IDS-4100(3)	Senior Seminar in International Development Studies*
IDS-4110(6)	Development Theory*
IDS-4120(3)	Honours Thesis* (Note: this requirement can be met by a thesis course from the other Honours area)

Plus 6 credit hours selected from the list of IDS Theory Courses and 9 credit hours selected from the list of IDS Research Courses.

For the requirements of the other Honours subject, consult the department or program involved.

Double Honours students are required to take a minimum of 24 credit hours at the 3/4000 level, of which a minimum of 15 credit hours must be at the 4000 level.

REQUIREMENTS FOR A MINOR IN INTERNATIONAL DEVELOPMENT STUDIES

Degree:	Students must complete a 4-year BA in another program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	Minimum 18 credit hours of International Development Studies courses, including: IDS-1100(6) Introduction to International Development Studies and at least one of: IDS-2110(3) Participatory Local Development (formerly IDS-3110) IDS-3111(3) Analysis of Development Aid Policy Note: Students may include a 3 credit hour IDS Practicum (IDS-3199) in their minor, provided they meet the pre-requisites for this course.
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Practicum Opportunities:

A practicum placement enables students to develop skills and apply classroom theory to real-life situations. It requires significant preparatory work and generally lasts from three to six months in either a local or international setting. **Students must explore options with the Practicum Director well in advance of the term in which they propose to engage in these practicum activities.** To register, students need permission from the Practicum Director and must have a cumulative grade point average of 2.75.

Required Core Courses for Practicum:

15 credit hours of core IDS courses, including:

IDS-1100(6)	Introduction to International Development Studies
IDS-2110(3)	Participatory Local Development* (or the former IDS-3110(3))

COURSE LISTINGS

IDS Core Courses

IDS-1100(6)	Introduction to International Development Studies	IDS/ANTH-3160(3)	Cultural Perspectives on Global Processes*
IDS-2110(3)	Participatory Local Development*	IDS-3182(3)	Selected Topics in International Development Studies*
IDS/HIST-2130(6)	A History of the Developing World*	IDS-3193(3)	Directed Readings in International Development Studies*
IDS-2131(3)	Rural Development*	IDS-3198(6)	Practicum in International Development Studies*
IDS-2160(3)	Indigenous People and the Industrial State*	IDS-3199(3)	Practicum in International Development Studies*
IDS-2171(3)	Crisis, Humanitarian Aid and Development*	IDS/CRS-3901(3)	Humanitarian Aid and Conflict: Do No Harm*
IDS-2183(3)	African Development Issues*	IDS/CRS-3920(3)	Action Research Methods*
IDS-2184(3)	Asia/Pacific Development Issues*	IDS-4100(3)	Senior Seminar in International Development Studies*
IDS-2185(3)	Latin America/Caribbean Development Issues*	IDS-4110(6)	Development Theory*
IDS/CRS-2443(3)	Conflict and Development Issues in Indigenous Communities*	IDS-4120(3)	Honours Thesis*
IDS/ENV-2521(3)	Study of Voluntary Simplicity*	IDS-4182(3)	Selected Topics in IDS*
IDS/REL-2804(3)	Global Perspectives on Aboriginal Societies, Spiritualities and the Environment	IDS-4193(3)	Directed Readings in IDS*
IDS-3101(3)	Development Ethics*	IDS/CRS-4920(3)	Program Planning in Development and Conflict Resolution*
IDS-3111(3)	An Analysis of Development Aid Policies*	IDS/CRS-4922(3)	Program Evaluation in Development and Conflict Resolution*
IDS-3141(3)	The Participatory Community Economy*		
IDS/MENN-3150(3)	Mennonite Community and Development*		

IDS Area Courses

Prerequisites: Students are advised that certain courses have prerequisites as indicated by an asterisk (*).

ANTH-1002(3)	Introductory Cultural Anthropology	GEOG-2417(3)	Introduction to Economic Geography*
ANTH-2100(3)	Method and Theory in Cultural Anthropology*	GEOG-3401(3)	Population Geography*
ANTH-2103(3)	Ethnography of North American First Peoples	GEOG-3402(3)	Urbanization in the Developing World*
ANTH/IDS-2160(3)	Indigenous People and the Industrial State*	GEOG-3413(3)	Urban Revitalization: Rebuilding of Decaying Cities*
ANTH-3103(3)	Applied Anthropology*	GEOG-3508(3)	Geographical Issues in the Developing World*
BIOL-1106(3)	Environmental Biology	HIST-2110(6)	Twentieth Century World
CRS-1200(6)	Introduction to Conflict Resolution Studies	HIST-2116(6)	Survey History of Latin America
CRS-2241(3)	Conflict and Culture*	HIST-2170(6)	Islam and the West
CRS/IDS-3910(3)	Peace, Theory and Practice*	HIST-2506(3)	History of the Canadian North
CRS-3931(3)	Conflict Resolution and Human Rights*	HIST-2509(6)	History of the Aboriginal Peoples of Canada
CRS/IDS-4910(3)	Conflict and the Construction of the Other*	HIST-2510(3)	Aboriginal Peoples of Canada to 1815
ECON-1102(3)	Introduction to Economics: Micro	HIST-2511(3)	Aboriginal People of Canada since 1815
ECON-1103(3)	Introduction to Economics: Macro	HIST-2700(6)	History of Africa
ECON-1104(3)	Introduction to Economic Theory	HIST-2701(6)	History of Asia Since 1500
ECON-1106(3)	Introduction to Economic Development	HIST-2703(3)	South Asia Since 1500
ECON-2317(3)	Environmental Economics*	HIST-2704(3)	History of East Asia Since 1500
ECON-3301(3)	International Trade*	HIST/MENN-3114(3)	Latin America and the Mennonites
ECON-3302(3)	International Finance*	HIST-3115(6)	History of Spanish American Political Culture
ECON-3305(3)	Economic Development*	HIST/MENN-3116(3)	Mennonites and World Issues
ECON-3306(3)	International Aspects of Economic Development*	HIST-3525(3)	History of the Métis in Canada
ECON-3317(3)	Asia Pacific Economics*	HIST-3701(6)	Modern Africa
ENV-1600(3)	Human Environmental Interactions	HIST-3703(3)	South Africa in the Modern World
ENV/IDS-2603(3)	Environmental Sustainability: A Global Dilemma*	HIST-3704(3)	West Africa in the 20th Century
ENV-3609(3)	Research Methods and Design*	HIST-4701(6)	Studies in Modern African History
ENV-3610(3)	Research Projects*	HIST-4702(6)	Southern Africa
ENV-4611(6)	Environmental Impact Assessment*	HRGS/POL-2101(6)	Human Rights: From Local to Global*
GEOG-2204(3)	Human Impact on the Environment*	PHIL-2233(3)	Environmental Ethics
GEOG-2212(3)	Natural Hazards*	POL-2100(6)	Global Politics
GEOG-2401(3)	Agricultural Geography	POL-2170(6)	Islam and the West
GEOG-2411(3)	Geography of Globalization*	POL-3105(3)	Global Political Economy*
		POL-3110(3)	International Organization*
		POL-3115(3)	Gender and Global Politics*
		POL-3130(3)	Canada in World Affairs*
		POL-3135(3)	Critical Security Studies*

POL-3400(3)	Aboriginal Politics in Canada	SOC-2105(6)	Race, Ethnic and Aboriginal Relations*
POL-3405(3)	Aboriginal Politics in Manitoba	SOC-2114(6)	Sociological Theory*
POL-3411(3)	Aboriginal People and the Law I	SOC-2125(3)	Introduction to Quantitative Research Methods*
POL-3415(3)	Aboriginal People and the Law II		
POL-3510(3)	Interest Groups and New Social Movements	SOC-2126(3)	Introduction to Research Design and Qualitative Research*
POL-3520(3)	Community Democracy in a Global Age	SOC-2404(3)	Sociology of Development and Under Development*
POL-4105(3)	Seminar in Global Political Economy*	SOC-3101(6)	Globalization and Social Justice: A Sociological Perspective*
POL-4110(3)	Seminar in International Organization*		
POL-4120(3)	Seminar in Canadian Foreign Policy*	SOC-3104(6)	Globalization and Societies in the World System*
PSYC-3450(3)	Organizational Leadership and Decision Making*	SOC-3115(3)	Political Sociology*
REL-1002(6)	Exploring Religion: The World's Religions	SOC-3116(6)	Applied Research Methods*
REL-2402(3)	Fundamentalisms in Global Perspective	SOC-3204(3)	Economic Sociology*
REL-2511(3)	Religion and Society: The Critique of Development	SOC-4116(3)	Seminar in Quantitative Research Methods*
REL-2703(3)	Religions of India	SOC-4126(3)	Seminar in Qualitative Research Methods*
REL-2704(3)	Buddhist Traditions in India and Southeast Asia	STAT-1301(3)	Statistical Analysis I*
REL-2707(3)	Chinese Religions	STAT-1302(3)	Statistical Analysis II*
REL-2711(3)	Contemporary Islam	UIC-2001(3)/IS-2301(3)	Community Development
REL-2715(3)	African Religions	UIC/IS-2030(3)	Management and Financial Administration for Community Leadership*
REL-2801(3)	Introduction to Aboriginal Spirituality	UIC/WGS-3020(3)	Women and the Inner City
REL-2802(3)	Aboriginal and Christian Encounter	UIC-3030/GEOG-3432(3)	Urban and Community Planning*
REL/IDS-2804(3)	Global Perspectives on Aboriginal Societies, Spiritualities and the Environment	UIC-3040(3)	Poverty and the Law
REL-3551(3)/4551(3)	Religion and Social Change	UIC-3050(3)	Immigration and the Inner City
RHET-2131(3)	Professional Style and Editing*	WGS-2270(3)	Food Cultures, Sex and Gender
RHET-3151(3)	Critical Studies of Discourse*	WGS-2416(3)	Sex, Gender, Space and Place*
RHET-3340(3)	Strategies for Technical and Professional Communication*	WGS-3200(6)	Feminist Research Methodologies Seminar*

COURSE DESCRIPTIONS

IDS-1100(6) INTRODUCTION TO INTERNATIONAL DEVELOPMENT STUDIES (Le3) The purpose of this course is to survey the main development issues in countries of the South in an interdisciplinary fashion. While the focus of the course will principally be on Africa, Asia, and Latin America, efforts will be made to draw parallels and connections with the North, including Canada. The course will evaluate what has been done in the name of development, particularly in light of issues of poverty, gender, and the environment. The course begins by evaluating alternative definitions and theories of development. This is followed by an analysis of the external factors which influence the South today and during the colonial period. Finally, the course looks at the internal dynamics of development by considering issues such as industrialization and agricultural development.
RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2201(6).

IDS-2110(3) PARTICIPATORY LOCAL DEVELOPMENT (Le3) This course focuses on the participatory, local-level development models pursued by a range of community-based, non-governmental and public agencies as alternatives to national models focused on economic growth and global competitiveness. It examines the nature of chronic poverty and reviews historic efforts at community development, community economic development and cooperative formation. It analyzes current emphases on participation and empowerment, gender equity, social capital, sustainable livelihoods, social justice and local governance. Students will examine these issues in the context of sectoral programs in micro-finance, community-based social services, agricultural development, community-based natural resource management and organizational capacity building.
PREREQUISITES: IDS-1100(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former 98.2110(3) or the former IDS (60)-3110(3).

IDS-2130(6) A HISTORY OF THE DEVELOPING WORLD (Le2,S1) This course examines the historical roots of development and underdevelopment, processes that have led to the emergence of the developing world or Third World as a distinctive, though diverse region. It surveys trends such as colonization, industrialization, militarization and trade in the South from the 15th to the 20th century. It investigates the ways in which both external pressures and internal dynamics have contributed to continuity and change in these regions. This course will help students to understand the historical context for contemporary changes in developing countries, as well as the context in which particular development theories and practices emerged.
PREREQUISITES: IDS-1100(6) or HIST-1010(6), or permission of instructor.
CROSS-LISTED: History HIST-2130(6).

IDS-2131(3) RURAL DEVELOPMENT (Le3) This course examines changes to rural society and economy in the South (Africa, Asia, and Latin America) brought about historically by colonialism, and more recently through modern development efforts. The course begins by considering how colonialism and expansion of capitalism reoriented agriculture and rural society towards a more global focus. Modern development efforts are then evaluated in light of their impact on rural economy and society. Discussion then highlights the impact of agrarian reform, technological change, and domestic government policies on economic development and social differentiation. Both gender and environmental issues will be interwoven

throughout the course, and efforts will be made to draw connections with rural change in Canada.

PREREQUISITES: IDS-1100(6) or permission of instructor.

IDS-2160(3) INDIGENOUS PEOPLE AND THE

INDUSTRIAL STATE (Le2, S1) The course considers the situation of Indigenous peoples in the regions of Africa, the Americas, Asia and the Pacific. While these people have distinct cultural histories, their relations to nation-states are similar in important ways. Tensions between indigenous people and the industrial state centre on such issues as external market dependency, diversification, and size of the government sector. Students will critique standard definitions of progress and efficiency. The implications of contemporary industrial development projects for the future of human societies are studied within the framework of the primal insights, values and definitions shared by Indigenous peoples throughout the globe.

PREREQUISITES: IDS-1100(6) or ANTH-1001(6) or ANTH-1002(3), or permission of instructor.

CROSS-LISTED: Anthropology ANTH-2160(3).

IDS-2171(3) CRISIS, HUMANITARIAN AID AND

DEVELOPMENT (Le3) Today crises threaten global human security as never before. These crises are caused by a complex mix of natural hazards - such as floods, earthquakes or droughts-and human action. Humanitarian aid is an important response to crises, and an increasing part of international development aid. This course identifies the main institutions and organizations providing humanitarian aid, and critically examines their efforts to improve aid quality and their own accountability. It also explores the ways in which humanitarian aid can help to reduce vulnerability to crises and enhance, rather than undermine, capacities for development.

PREREQUISITES: Six credit hours successfully completed, or permission of instructor; IDS-1100(6) is recommended.

IDS-2183(3) AFRICAN DEVELOPMENT ISSUES (Le2S1)

This case study course will survey a subset of the theories, processes, policies and practice of development and underdevelopment in the diverse and complex context of Africa. In the face of intensifying global capital processes and declining humanitarian efforts, many African communities and countries face serious challenges. While exploring development problems and possible solutions, this course will also highlight the tremendously rich and diverse cultural, social and economic experience of African peoples and communities.

PREREQUISITES: IDS-1100(6) or permission of instructor.

IDS-2184(3) ASIA/PACIFIC DEVELOPMENT ISSUES

(Le2, S1) This case study course will survey a subset of the theories, processes, policies and practice of development and underdevelopment in the diverse and quickly changing context of Asia and the Pacific Islands. Asian communities and nations have been affected in diverse and complex ways by the contemporary expansion and deepening of global capitalism. This course will examine some of these changes and explore related issues like human rights and environmental degradation. While exploring development problems and possible solutions, this course will also highlight the tremendously rich and diverse cultural, social and economic experience of Asian and Pacific Island peoples and communities.

PREREQUISITES: IDS-1100(6) or permission of instructor.

IDS-2185(3) LATIN AMERICA/ CARIBBEAN DEVELOPMENT

ISSUES (Le2, S1) This case study course will survey a subset of the theories, processes, policies and practice of development and underdevelopment in the diverse and dynamic context of Latin America and the Caribbean. The Latin American and Caribbean region has been diversely

affected by contemporary globalization processes. People and communities from the region have also been the source of significant critical literature in development studies, including Dependency Theory and Liberation Theology. While exploring development problems and possible solutions, this course will also highlight the tremendously rich and diverse cultural, social and economic experience of Latin American and Caribbean peoples and communities.

PREREQUISITES: IDS-1100(6) or permission of instructor.

IDS-2443(3) CONFLICT AND DEVELOPMENT ISSUES IN

INDIGENOUS COMMUNITIES (Le3) This course explores the dynamics of indigenous peoples globally, with special reference to the Canadian context, within the broad frameworks of development and conflict resolution. The course begins by describing key elements of indigenous culture and worldview. From the perspective of conflict resolution studies, inter- and intra-group conflict and conflict resolution processes involving indigenous communities will be explored. From the perspective of international development studies, processes of marginalization and underdevelopment will be presented to understand the indigenous communities' social, economic and political situation. Strategies for community development and conflict resolution will be highlighted as means to achieve transformation.

PREREQUISITES: IDS-1100(6) or CRS-1200(6), or permission of instructor.

CROSS-LISTED: Conflict Resolution Studies CRS-2443(3).

IDS-2521(3) STUDY OF VOLUNTARY SIMPLICITY (Le2,

S1) Within International Development Studies, development is increasingly understood as a participatory, deliberate process aimed at enhancing the quality of life for individuals within community. This course examines the concept, theory, and practice of voluntary simplicity as a means of development for individuals seeking alternatives to consumer values and culture. The course explores both the historical roots of voluntary simplicity and its modern expressions, with special emphasis on the relevance of simplicity to building emotional well-being, vibrant community, sustainable environment, and social justice.

PREREQUISITE: IDS-1100(6) or ENV-1600(3), or permission of instructor.

CROSS-LISTED: Environmental Studies ENV-2521(3).

IDS-2603(3) ENVIRONMENTAL SUSTAINABILITY: A

GLOBAL DILEMMA (Le3) This course focuses on environmental factors relevant to understanding and implementing sustainable development. Its aim is to teach students to understand and appreciate fundamental ecological principles within the context of social values and technological constraints. Moreover, the course seeks to equip students to assess environmental problems from an interdisciplinary perspective, and to develop strategies that might solve these problems. Topics or issues that may be addressed include ecosystem dynamics; feedback in environmental processes; the concepts of carrying capacities and population thresholds; optimum yield theory; loss of biodiversity; over-consumption and overpopulation; deforestation, desertification, and pollution; energy demand versus supply; urbanization trends; global warming; ozone layer depletion; resource management, conservation and recovery; and environmental monitoring and impact assessment. This course may be taken for major credit in Environmental Studies/Urban Studies and International Development Studies.

PREREQUISITES: ENV-1600(3) or IDS-1100(6), or permission of instructor.

CROSS-LISTED: Environmental Studies ENV-2603(3).

IDS-2804(3) GLOBAL PERSPECTIVES ON ABORIGINAL

SOCIETIES, SPIRITUALITIES AND THE ENVIRONMENT

(Le3) This course explores the spiritual traditions of aboriginal cultures throughout the world. For example, we examine the role of elders and shamans in various aboriginal societies, their understandings of the environment in which they live, and their various expressions of spirituality. The course discusses the recognition of aboriginal rights at the United Nations and its implications for preserving land, cultures and spiritualities. Finally, students reflect on the effect of development on Indigenous lands and how that is affecting aboriginal societies and their traditional belief systems.

CROSS LISTED: Religion and Culture REL-2804(3)

IDS-3101(3) DEVELOPMENT ETHICS (Le1, S2) This course examines in a systematic way the ethical questions posed by development theory, planning and practice. It introduces frameworks for ethical decision-making in development. The course uses case studies to explore questions like: How are decisions about goals of development made? How are the costs of development distributed? What are acceptable means in planned development activity, and who has the right to engage in this activity? How far do answers to such questions differ between cultures and ideologies, and is agreement on these answers either possible or desirable?

PREREQUISITES: IDS-1100(6) or permission of instructor.

IDS-3111(3) AN ANALYSIS OF DEVELOPMENT AID POLICIES (Le3) This course will focus on development aid policies and the administration of aid programs of the developed countries. The course will examine specific cases in a number of developing countries, with special emphasis on the African and Asian continents. Lectures will scrutinize the impact of bilateral, multilateral, and tied aid projects on developing countries, and examine the effectiveness of human resource projects. The course will challenge students to think in terms of sustainable development. How can aid effectiveness be improved and sustainable development achieved?

PREREQUISITES: IDS-1100(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-3201(3).

IDS-3141(3) THE PARTICIPATORY COMMUNITY ECONOMY (Le2, S1) This course examines theories of the community economy and analyzes strategies of community economic participation. The study of the community economy is rooted in both liberal (e.g. institutional economics) and critical literature (e.g. neo-Marxist, social movement theory). Particular theories come from community economic development; institutional economics; cooperation and cooperative theories; social economy; and natural resource management. Particular strategies include micro-financial services, asset building, micro-enterprise development, social enterprise, cooperative development, and community-based natural resource management. This course builds on theories of community development, participation, and social capital.

PREREQUISITES: IDS-2110(3) (or the former IDS-3110(3)) and ECON-1104(3) (or equivalent), or permission of instructor.

IDS-3150(3) MENNONITE COMMUNITY AND DEVELOPMENT (S3) This course analyzes the experiences of the Mennonite community in service and peace work. It highlights the values, approach, and methods particular to Mennonite humanitarian work. The Mennonite tradition of holistic development emphasizes individual transformation (providing the tools for indigenous development) and social transformation (involving all peoples in creating local, national, and global systems that are just). The work of Mennonite organizations such as the Mennonite Central

Committee and the Mennonite Economic Development Agency, of ecumenical organizations such as the Canadian Foodgrain Bank and InterChurch Action, and of inter-organizational groups such as SEED Winnipeg will provide examples for student reflection and analysis.

PREREQUISITES: IDS-1100(6) or permission of instructor.

CROSS-LISTED: Mennonite Studies MENN-3150(3).

IDS-3160(3) CULTURAL PERSPECTIVES ON GLOBAL PROCESSES (Le1, S2) The focus of this course is threefold. First it seeks to apply cultural perspectives on 'global scale theory.' Second, we will discern the linkages among some of the main processes at work in 'global systems.' Main processes include communications, transportation, migration, capital, manufacture of export goods, non-state political organizations, and environmental and human health research. The emphasis will be on how two or more of these interact. Third, we will discuss the effects of these processes in local and regional contexts. The specific processes and their salient interrelationships will be chosen in response to interests of those taking the course, and will be developed by group reading and discussion, and individually in term paper projects.

PREREQUISITES: IDS-1100(6) or ANTH-1001(6) or ANTH-1002(3), or permission of instructor.

CROSS-LISTED: Anthropology ANTH-3160(3).

IDS-3182(3) SELECTED TOPICS IN INTERNATIONAL DEVELOPMENT STUDIES (Le1, S2) This course presents an in-depth view of a particular problem in development, using theoretical and/or applied concepts. The nature and range of topics covered will depend upon the instructor. Please see the IDS Program for a specific course description.

PREREQUISITES: IDS-1100(6), or permission of the coordinator or the instructor.

RESTRICTIONS: Students may repeat this course for credit, provided the topic varies.

IDS-3193(3) DIRECTED READINGS IN INTERNATIONAL DEVELOPMENT STUDIES (D) In this course, readings and assignments in the area of International Development Studies will be arranged between an individual student and the instructor.

PREREQUISITES: IDS-1100(6) and permission of instructor.

IDS-3194(3) PRACTICUM IN INTERNATIONAL DEVELOPMENT STUDIES (AV) The practicum allows students to ground their academic learning with experiential learning within the auspices of an overseas relief and development agency. The practicum generally involves voluntary work with an agency, exposing the participant to new cultural, social, and/or economic situations. Students integrate theory with practice through seminar participation, reflective journals, and a final project.

NOTE: Students must complete both this course and IDS-3195(3) to fulfill their 6 credit hour Practicum requirement.

PREREQUISITES: 15 credit hours of Core IDS courses, including IDS-1100(6) and IDS 2110(3) [or the former IDS-3110(3)] . Permission of Menno Simons College Practicum Director AND minimum cumulative grade point average of 2.75.

RESTRICTIONS: Students may not hold credit in both this course and IDS-3198(6). This is a limited enrolment course and is generally only available to students in overseas placements.

IDS-3195(3) PRACTICUM IN INTERNATIONAL DEVELOPMENT STUDIES (AV) The practicum allows students to ground their academic learning with experiential learning within the auspices of an overseas relief and development agency. The practicum generally involves voluntary work with an agency, exposing the participant to new cultural, social, and/or economic situations. Students

integrate theory with practice through seminar participation, reflective journals, and a final project.

NOTE: Students must complete both this course and IDS-3194(3) to fulfill their 6 credit hour Practicum requirement.
PREREQUISITES: 15 credit hours of core IDS courses, including IDS-1100(6) and IDS 2110(3) [or the former IDS-3110(3)]. Permission of Menno Simons College Practicum Director AND minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and IDS-3198(6). This is a limited enrolment course and is generally only available to students in overseas placements.

IDS-3196(1.5) PRACTICUM IN INTERNATIONAL DEVELOPMENT STUDIES (AV) The practicum allows students to ground their academic learning with experiential learning within the auspices of a local or overseas relief and development agency. The practicum generally involves voluntary work with an agency, exposing the participant to new cultural, social, and/or economic situations. Students integrate theory with practice through seminar participation, reflective journals, and a final project.

NOTE: Students must complete both this course and IDS-3197(1.5) to fulfill their 3 credit hour Practicum requirement.
PREREQUISITES: 15 credit hours of core IDS courses, including IDS-1100(6) and IDS 2110(3) [or the former IDS-3110(3)]. Permission of Menno Simons College Practicum Director AND minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and IDS-3199(3). This is a limited enrolment course.

IDS-3197(1.5) PRACTICUM IN INTERNATIONAL DEVELOPMENT STUDIES (AV) The practicum allows students to ground their academic learning with experiential learning within the auspices of a local or overseas relief and development agency. The practicum generally involves voluntary work with an agency, exposing the participant to new cultural, social, and/or economic situations. Students integrate theory with practice through seminar participation, reflective journals, and a final project.

NOTE: Students must complete both this course and IDS-3196(1.5) to fulfill their 3 credit hour Practicum requirement.
PREREQUISITES: 15 credit hours of core IDS courses, including IDS-1100(6) and IDS 2110(3) [or the former IDS-3110(3)]. Permission of Menno Simons College Practicum Director AND minimum cumulative grade point average of 2.75.
RESTRICTIONS: Students may not hold credit in both this course and IDS-3199(3). This is a limited enrolment course.

IDS-3198(6) PRACTICUM IN INTERNATIONAL DEVELOPMENT STUDIES (AV) The practicum allows students to ground their academic learning with experiential learning within the auspices of an overseas relief and development agency. The practicum generally involves voluntary work with an agency, exposing the participant to new cultural, social and/or economic situations. Students integrate theory with practice through seminar participation, and academic assignments.

PREREQUISITES: 15 credit hours of core IDS courses, including IDS-1100(6) and IDS 2110(3) [or the former IDS-3110(3)]. Permission of Menno Simons College Practicum Director AND minimum cumulative grade point average of 2.75.
RESTRICTIONS: This is a limited enrolment course and is generally only available to students in overseas placements.

IDS-3199(3) PRACTICUM IN INTERNATIONAL DEVELOPMENT STUDIES (AV) The practicum allows students to ground their academic learning with experiential learning within the auspices of a local or overseas relief and development agency. The practicum generally involves voluntary work with an agency, exposing the participant to new cultural, social and/or economic situations. Students

integrate theory with practice through seminar participation, and academic assignments.

PREREQUISITES: 15 credit hours of core IDS courses, including IDS-1100(6) and IDS 2110(3) [or the former IDS-3110(3)]. Permission of Menno Simons College Practicum Director AND minimum cumulative grade point average of 2.75.
RESTRICTIONS: This is a limited enrolment course

IDS-3901(3) HUMANITARIAN AID AND CONFLICT: DO NO HARM (Le2, S1) The problems of providing humanitarian aid in complex emergencies, that is where need is created in part by armed conflict, are the focus of this course. In such settings, both material aid and intervention have multiple impacts. This course addresses the nature of contemporary armed conflicts and the role they play in generating complex emergencies, the forms of humanitarian aid provided in complex emergencies, and debates about the effectiveness and appropriateness of different kinds of aid. Through analysis of aid's impact on the conflict and its effectiveness at meeting human needs, we explore models of humanitarian aid provision that minimize negative impacts.

PREREQUISITES: IDS-1100(6) or CRS-1200(6) and 45 credit hours of university credit, or permission of the instructor.
CROSS-LISTED: Conflict Resolution Studies CRS-3901(3).

IDS-3910(3) PEACE THEORY AND PRACTICE (Le, S3) This course investigates theories of peace. Theories of war and the practice of warfare have been studied a great deal; theories of peace and the practice of peace have been studied less. The course begins with attempts to define peace — a task as difficult as that of defining war and conflict—by drawing on key studies by peace research scholars like Galtung, Reardon and Elstain. The course is conducted in a modified seminar format (half the course in large group format, the remainder utilizing small group problem-based learning).

PREREQUISITES: CRS-1200(6) or IDS-1100(6) or permission of instructor.
CROSS-LISTED: Conflict Resolution Studies CRS-3910(3).

IDS-3920(3) ACTION RESEARCH METHODS (Le1, S2) This course investigates the contemporary research and field work methods commonly used by researchers and practitioners in the field of international development studies. The course will emphasize activities that are necessary to prepare the student to conduct research in the field. Issues in data collection and in the context of field work will be discussed. The following are some of the topics and techniques that will be dealt within the course: planning for research, random sampling and surveys, participatory rural appraisal, interviewing techniques, life history analysis, conducting focus groups, integrating qualitative and quantitative method, and post-field work activities.

PREREQUISITES: IDS-1100(6) or CRS-1200(6), or permission of instructor.
CROSS-LISTED: Conflict Resolution Studies CRS-3920(3).

IDS-4100(3) SENIOR SEMINAR IN INTERNATIONAL DEVELOPMENT STUDIES (S3, P) In this capstone seminar students compare cross-disciplinary and discipline-based approaches to various international development issues. They also explore solutions to the problem of integrating development theory and practice. Students articulate their own understanding of development on the basis of critical reflection on examples of successful and unsuccessful development. The seminar includes critical reflection on students' experiences with development issues in the classroom, the practicum, or in extra-curricular activities.
PREREQUISITES: IDS-2110(3) (or the former IDS-3110(3)), IDS-3101(3), IDS-3111(3), and IDS-3199(3), or permission of instructor.

IDS-4110(6) DEVELOPMENT THEORY (S3) This honours seminar takes an interdisciplinary approach to the study of theories that have shaped the conceptualization and practice of development around the world. This includes critical attention to the nature of development theory, the processes through which theory is generated, and the context in which different theories have emerged and in which some became dominant. The seminar focuses on current versions of general development theories such as: modernization, structuralism, Marxism, dependency theory, neoclassical and neoliberal theory, alternative development, and post-development. Examples of current theories that focus on key development issues are also covered.

PREREQUISITES: IDS-2110(3) (or the former IDS-3110(3)), IDS-3111(3), IDS-3101(3), and IDS-3199(3), or permission of instructor.

IDS-4120(3) HONOURS THESIS (PV) Students in this course will plan and carry out an original research project related to International Development Studies. This research project will result in the writing and oral presentation of an honours thesis whose length and format will be based on standards for submission to a scholarly journal. Students will also engage in consultation with a research advisor and participate in collegial support processes for their research project.

PREREQUISITES: IDS-2110(3) (or the former IDS-3110(3)), IDS-3101(3), IDS-3111(3), and IDS-3199(3).

Note: Students are strongly encouraged to complete their research requirements for the IDS Honours program before registering for this course.

IDS-4182(3) SELECTED TOPICS IN INTERNATIONAL DEVELOPMENT STUDIES (Le1, S2) This course presents an in-depth study of a particular problem in development, using theoretical and/or applied concepts. The nature and range of topics covered will depend upon the Instructor. Please see the IDS Program Coordinator or Academic Advisor for a specific course description.

PREREQUISITES: IDS-2110(3) (or the former IDS-3110(3)) and IDS-3111(3), or permission of the Program Coordinator or the instructor.

RESTRICTIONS: Students may repeat this course for credit, provided the topic varies.

IDS-4193(3) DIRECTED READINGS IN INTERNATIONAL DEVELOPMENT STUDIES (D) In this course, advanced readings and assignments in the area of International Development Studies are arranged between an individual student and instructor.

PREREQUISITES: IDS-2110(3), (or the former IDS-3110(3)), IDS-3101(3), IDS-3111(3), and permission of the instructor.

IDS-4910(3) CONFLICT AND CONSTRUCTION OF THE OTHER (S3) This seminar addresses a central question raised in post-colonial theory about the way humans construct and maintain an understanding of the Other. We ask the question, "Have scholars found the idea of the Other useful as a synthesizing concept?" This problem-based, interdisciplinary seminar considers particular sites of struggle in cultural, social, and individual contexts. Finally, we ask about the implications of this inquiry for our cultural, social, and individual circumstances.

PREREQUISITES: CRS-1200(6), CRS-2210(3) and CRS-3220(3) or IDS-1100(6), IDS-2110(3) (or the former IDS-3110(3)) and IDS-3111(3), or permission of instructor.

CROSS-LISTED: Conflict Resolution Studies CRS-4910(3).

IDS-4920(3) PROGRAM PLANNING IN DEVELOPMENT AND CONFLICT RESOLUTION (Le2, S1) Program planning is a critical first step in most interventions by development and conflict resolution organizations. This course covers blueprint planning required for preparation of funding

proposals and various forms of strategic and participatory planning required for the application of results-based management and learning approaches during program implementation. Current debates regarding approaches to planning are also reviewed. Students acquire skills necessary for conceptualizing and implementing international or domestic projects undertaken by non-governmental organizations: needs assessment, goal and purpose identification, formulation of logframe, workplan and budget, and preparation of a funding proposal.

PREREQUISITES: IDS-1100(6) or CRS-1200(6), or permission of instructor.

IDS/CRS-4922(3) PROGRAM EVALUATION IN DEVELOPMENT AND CONFLICT RESOLUTION (Le2, S1)

Evaluating programs is a means of systematically assessing interventions designed to promote development and conflict resolution. This course covers formative evaluations required for program decision-making and summation evaluations applicable for analyzing outcomes and impacts to determine relevance, effectiveness, efficiency, sustainability and potential for replication of programs normally implemented by non-governmental organizations. Current debates in approaches to evaluation are also reviewed. Students acquire skills in: selecting relevant quantitative and qualitative indicators, various approaches to obtain measures for the indicators selected, approaches to analyzing collected data, and effective presentation of evaluation conclusions and recommendations.

PREREQUISITES: IDS-1100(6) or CRS-1200(6), or permission of instructor.

Note: Upon permission of the Coordinator, this course may be substituted for IDS/CRS-4920(3) in the Four-Year major.

KINESIOLOGY AND APPLIED HEALTH (KIN)

Updated October 1, 2013

The Department of Kinesiology and Applied Health, along with the Department of Athletics, is part of the Faculty of Kinesiology.

Note: The department/program code KIN replaces the former code 88. Students cannot hold credit in KIN-xxxx and the former 88.xxxx having the same course number (e.g., KIN-2200(3) and 88.2200(3)).

Chair: Associate Professor: D. Telles-Langdon; Professors: G. Bergeron, D. Fitzpatrick; Associate Professors: M. Gregg, F. Gutoski; Assistant Professors: Nathan Hall; Robert Pryce; Instructors: A. Bedard, D. Crook; A. Hussain, A. Janzen; G. McDonald, L. McKay; V. Pelleck; D. Stringer; B. Trunzo; .

DEGREES/PROGRAMS OFFERED

3-Year BPHE
4-Year BKin
4-Year BKIn (Sport Coaching)
4-Year BSc (Exercise Science)
4-Year BSc (Athletic Therapy)

MISSION

Our mission is to provide an environment where students in Kinesiology and Applied Health can pursue their potential through our commitment to excellence in teaching, research, and community service.

INTRODUCTION

Kinesiology and Applied Health at the University of Winnipeg is designed to develop an understanding of research and practice in physical activity, fitness, exercise, and sport. The courses focus on the what, why, and how of human physical activity in four main areas of concentration: Teaching, Kinesiology, Coaching, and Athletic Therapy.

The Bachelor of Physical and Health Education, The Bachelor of Kinesiology or Bachelor of Science degrees focus on areas related to health and fitness, motor behaviour, sport science, sport and exercise psychology, sport management, or athletic therapy. The curriculum in Athletic Therapy is fully accredited by the Canadian Athletic Therapists' Association.

The Coaching area of concentration enables an intense study of coaching for a specific sport. This course of study will meet the knowledge requirements of the National Coaching Certification Program.

A Bachelor of Physical and Health Education and a Bachelor of Education will prepare students to teach physical education at the early, middle, or senior years level, as well as provide them with an understanding of coaching in the school system.

Courses such as Exercise Physiology, Physical Growth and Motor Development, Biomechanics, Sport Injuries, Sport Psychology, Program Planning in Sport and Physical Activity, Principles of Coaching, and various activity courses provide the student with a balance of offerings.

An interdisciplinary approach of combining Kinesiology courses with those in other academic departments, such as Business and Administration or Developmental Studies, offers students flexibility in designing their own course of study.

Students pursuing a 4-year BSc in Kinesiology, including the Exercise Science and Athletic Therapy Streams, also have the opportunity to add a Business Stream (see the "Science with a Business Stream" section of this Course Calendar).

Graduates of Kinesiology and Applied Health are most likely to be employed in the school system, with amateur or professional sport organizations, in private business, with institutions and agencies, and in public community sport, fitness, and physical recreation programs, or child care settings. Additionally, upon completion of the initial degree, students may pursue graduate studies in areas related to Physical Education or Kinesiology at other universities.

REQUIREMENTS FOR A 3-YEAR BACHELOR OF PHYSICAL AND HEALTH EDUCATION (BPHE) - IN KINESIOLOGY AND APPLIED HEALTH

Note: The 3 year BA in Kinesiology and Applied Health will no longer be offered to new students registering after the 2013-2014 academic year. Current students will still have the option of graduating with the 3 year BA if they choose. It is the student's responsibility to meet the degree requirements.

ADMISSION REQUIREMENT	Students are advised to consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major:

Minimum 48 credit hours/Maximum 48 credit hours.

Double Major:

Minimum 48 credit hours in Kinesiology and Applied Health and specified number of credit hours in the other department/program.

KINESIOLOGY MAJOR – General

Required Courses:

KIN-1101/3 Introduction to Kinesiology
KIN-2105/3 Sport Psychology
KIN-2200/3 Issues in Sport **or** **KIN-2305/3** Issues in Health
KIN-2301/3 Human Anatomy

3 credit hours from:

KIN-2202(3) Prevention and Care of Sport Injuries
KIN-2204(3) Introduction to Human Physiology
KIN 2304(3) Scientific Principles Fitness and Conditioning

KIN-2501(3) Nutrition for Health and Wellness
KIN-3106(3) Exercise Physiology
KIN-3201(3) Biomechanics

9 credit hours from:

KIN 2207(3) Physical Growth and Motor Development
KIN 3103(3) Adapted Physical Activity
KIN 3105(3) Psychological Skills in Sport and Life
KIN 3208(3) Physical Activity and Aging
KIN 3305(3) Physical Activity: Promotion and Adherence
KIN 4207(3) Motor Learning and Control

3 credit hours from:

KIN-2111(3) Coaching and Teaching Basketball 1
KIN-2112(3) Coaching and Teaching Volleyball 1
KIN-2109(3) Instructing Sport and Physical Activities
KIN-1302(3) Teaching Individual Physical Activities
KIN-1303(3) Teaching Team Physical Activities

Choose 21 additional credit hours from any course offerings in Kinesiology and Applied Health, for a total of 48 credit hours.

KINESIOLOGY MAJOR - Teaching Stream

Required courses:

KIN-2202(3) Prevention and Care of Injuries
KIN-2301(3) Human Anatomy
KIN-2304(3)* Scientific Principles of Fitness and Conditioning
KIN-2305(3) Issues in Health
KIN-3103(3) Adapted Physical Activity
KIN-3305(3) Physical Activity: Promotion and Adherence
KIN-3105(3) Psychological Skills in Sport and Life **or**
KIN-2105(3) Sport Psychology

minimum of 6 credit hours from:

KIN-2206(3) Movement Education (early/middle years)
KIN-2207(3) Physical Growth and Motor Development (all years)
KIN-1302(3) Teaching Individual Physical Activities (middle/senior years)
KIN-1303(3) Teaching Team Physical Activities (middle/senior years)
KIN-2400(3) Teaching Games for Understanding (early/middle years)

minimum of 9 additional credit hours from:

KIN-2112(3) Coaching and Teaching Basketball 1 (middle/senior years)
KIN-2113(3) Coaching and Teaching Volleyball 1 (middle/senior years)
KIN-2109(3) Instructing Sport and Physical Activities (middle/senior years)
KIN-1200(3) Principles of Coaching (all years)
KIN-2206(3) Movement Education (early/middle years)
KIN-2207(3) Physical Growth and Motor Development (all years)
KIN-1302(3) Teaching Individual Physical Activities (middle/senior years)
KIN-1303(3) Teaching Team Physical Activities (middle/senior years)
KIN-2400(3) Teaching Games for Understanding (early/middle years)

KIN-3304(3) Advanced Resistance Training (senior years)

12 additional credit hours from any course offerings in Kinesiology and Applied Health, for a total of 48 credit hours.

KINESIOLOGY TEACHABLE MINOR (Senior and Middle Years)

Required courses:

KIN-2301(3) Human Anatomy
KIN-2305(3) Issues in Health
KIN-3103(3) Adapted Physical Activity

6 credit hours from:

KIN-13023 Teaching Individual Physical Activities (middle/senior years)
KIN-1303(3) Teaching Team Physical Activities (middle/senior years)
KIN-2400(3) Teaching Games for Understanding

3 credit hours from:

KIN-2105(3) Sport Psychology
KIN-3305(3) Physical Activity: Promotion and Adherence
KIN-3105(3) Psychological Skills in Sport and Life

KINESIOLOGY TEACHABLE MINOR (Early and Early/Middle Years)

Required courses:

KIN-2301(3) Human Anatomy
KIN-3103(3) Adapted Physical Activity

9 credit hours from:

KIN-2206(3) Movement Education
KIN-2207(3) Physical Growth and Motor Development
KIN-2305(3) Issues in Health
KIN-2400(3) Teaching Games for Understanding

3 credit hours from:

KIN-2105(3) Sport Psychology
KIN-3305(3) Physical Activity: Promotion and Adherence
KIN-3105(3) Psychological Skills in Sport and Life

REQUIREMENTS FOR A 4-YEAR BACHELOR OF KINESIOLOGY

Note: The 4 year BA in Kinesiology and Applied Health will no longer be offered to new students registering after the 2013-2014 academic year. Current students will still have the option of graduating with the 4 year BA if they choose. It is the student's responsibility to meet the degree requirements.

ADMISSION REQUIREMENT Students are advised to consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Major: Minimum 60 credit hours/Maximum 66 credit hours.
Cognate Courses: Minimum 18 credit hours/Maximum 24 credit hours of cognate courses
Maximum total of cognate and major courses is 84 credit hours combined.

Required Courses:

KIN-1101(3) Introduction to Kinesiology
KIN-2105(3) Sport Psychology
KIN-2200(3) Issues in Sport or **KIN-2305(3)** Issues in Health

KIN-2207(3)	Physical Growth and Motor Development
KIN-2204(3)*	Human Physiology or BIOL-1112(6) Human Anatomy and Physiology
KIN-2301(3)*	Human Anatomy
KIN-3208(3)	Physical Activity and Aging
KIN-3106(3)*	Exercise Physiology or KIN-3201/3* Biomechanics or KIN-3304/3* Advanced Resistance Training
KIN-3105(3)	Psychological Skills in Sport and Life or KIN-3305(3) Physical Activity: Promotion and Adherence
KIN-4207(3)	Motor Learning and Control

3 credit hours from:

KIN-1200(3)	Principles of Coaching
KIN-1302(3)	Teaching Individual Physical Activities
KIN-1303(3)	Teaching Team Physical Activities

3 credit hours from:

KIN-2111(3)	Coaching and Teaching Basketball 1
KIN-2112(3)	Coaching and Teaching Volleyball 1
KIN-2109(3)	Instructing Sport and Physical Activities

*any 2 will fulfill the science requirement within the Bachelor of Arts degree.

Choose a minimum of 24 additional credit hours from other Kinesiology courses, for a total of 60 credit hours from Kinesiology. A minimum of 18 total credit hours of Kinesiology courses must be at the 3000 or 4000 level.

Statistics Requirement

Choose 3 credit hours from:

GEOG-2309(3)**	Statistical Techniques in Environmental Analysis (prereq. GEOG-1102(3) or GEOG-1103(3) or GEOG-1201(3) or GEOG-1202(3) or permission)
PSYC-2101(3)**	Introduction to Data Analysis (prereq. PSYC-1000(6))
SOC-2125(3)**	Introduction to Quantitative Research Methods (prereq. SOC-1101(6) or permission of department chair)
STAT 1302(3)**	Statistical Analysis II (prereq. STAT 1301(3))
STAT-1501(3)	Elementary Biological Statistics I

** Courses with prerequisites

Research Design and Methods Requirement

Choose 3 credit hours from:

PSYC-2102(3)**	Introduction to Research Methods (prereq. PSYC-1000(6), PSYC-2101(3))
SOC-2126(3)**	Introduction to Research Design and Qualitative Research (prereq. SOC-1101(6) or permission of department chair)
IDS-3920(3)**	Action Research Methods (prereq. IDS-1100(6) or CRS-1200(6) or permission)
CJ-2101(3)**	Research Method in Criminal Justice (prere. CJS-1101(6))
WGS-3200(6)**	Feminist Research Methodologies Seminar (prereq. WOM-1232(6) or permission of Program Coordinator)

** Courses with prerequisites

REQUIREMENTS FOR A 4-YEAR BACHELOR OF KINESIOLOGY (SPORT COACHING)

Note: The 4 year BA in Kinesiology and Applied Health (Sport Coaching) will no longer be offered to new students registering after the 2013-2014 academic year. Current students will still have the option of graduating with the 4 year BA Sport Coaching if they choose. It is the student's responsibility to meet the degree requirements.

ADMISSION REQUIREMENT	Students are advised to consult with a member of the Department in planning course of study.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level.
Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Major: Minimum 60 credit hours/Maximum 66 credit hours.
Cognate Courses: Minimum 18 credit hours/Maximum 24 credit hours of cognate courses.
Maximum total of cognate and major courses is 84 credit hours combined.

Required Courses:

KIN-1200(3)	Principles of Coaching
KIN-2100(3)	Leadership in Sport: Emerging Perspectives
KIN-2101(3)	Program Planning in Sport
KIN-2105(3)	Sport Psychology
KIN-2200(3)	Issues in Sport
KIN-2202(3)	Prevention and Care of Sport Injuries
KIN-2204(3)	Introduction to Human Physiology or
BIOL-1112(6)	Human Anatomy and Physiology
KIN-2301(3)	Human Anatomy
KIN-2304(3)	Scientific Principles of Fitness and Conditioning
KIN-2501(3)	Nutrition for Health and Wellness
KIN-3105(3)	Psychological Skills in Sport and Life
KIN-3106(3)	Exercise Physiology
KIN-3201(3)	Biomechanics
KIN-3304(3)	Advanced Resistance Training
KIN-4200(3)	Advanced Seminar in Coaching
KIN-4207(3)	Motor Learning and Control
KIN-4502(3)	Drugs and Ergogenic Aids in Sport

In addition, choose a minimum of 9 additional credit hours from other Kinesiology courses, for a total of 60 credit hours from Kinesiology.

COGNATE REQUIREMENT 18 credits as approved by the Kinesiology and Applied Health Department. This 18 credit hours includes the following statistical and research requirements:

Statistics Requirement

Choose at least 3 credit hours from:

GEOG-2309(3)**	Statistical Techniques in Environmental Analysis (prereq. GEOG-1102(3) or GEOG-1103(3) or GEOG-1201(3) or GEOG-1202(3) or permission)
PSYC-2101(3)**	Introduction to Data Analysis (prereq. PSYC-1000(6))
SOC-2125(3)**	Introduction to Quantitative Research Methods (prereq. SOC-1101(6) or permission of department chair)
STAT 1302(3)**	Statistical Analysis II (prereq. STAT 1301(3))
STAT-1501(3)	Elementary Biological Statistics I

*** Courses with prerequisites*

Research Design and Methods Requirement

Choose 3 credit hours from:

PSYC-2102(3)**	Introduction to Research Methods (prereq. PSYC-1000(6), PSYC-2101(3))
SOC-2126(3)**	Introduction to Research Design and Qualitative Research (prereq. SOC-1101(6) or permission of department chair)
IDS-3920(3)**	Action Research Methods (prereq. IDS-1100(6) or CRS-1200(6) or permission)
CJ-2101(3)**	Research Method in Criminal Justice (prereq. CJS-1101(6))
WGS-3200(6)**	Feminist Research Methodologies Seminar (prereq. WOM-1232(6) or permission of Program Coordinator)

***Courses with prerequisites*

REQUIREMENTS FOR A 4-YEAR BSc IN KINESIOLOGY (EXERCISE SCIENCE)

ADMISSION REQUIREMENT Students are advised to consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level.
Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 78 credit hours.
Double Major: Minimum credit hours in Kinesiology and Applied Health and specified number of courses in other major.
Prerequisites: Chemistry 40S and Pre-Calculus or Applied Mathematics 40S are required.

Required Courses :

KIN-1101(3)	Introduction to Kinesiology
KIN-2200(3)	Issues in Sport or KIN-2305(3) Issues in Health
KIN-2202(3)	Prevention and Care of Sport Injuries
KIN-2301(3)	Human Anatomy
KIN-2304(3)	Scientific Principles of Fitness and Conditioning
KIN-2501(3)	Nutrition for Health and Wellness
KIN-3106(3)	Exercise Physiology
KIN-3201(3)	Biomechanics
KIN-4201(3)	Ergonomics of the Musculoskeletal System or KIN-4106(3) Exercise Physiology in Chronic Disease
KIN-4207(3)	Motor Learning and Control
KIN-2105(3)	Sport Psychology or KIN-3105(3) Psychological Skills in Sport and Life or KIN-3305(3) Physical Activity: Promotion and Adherence

Plus choose a minimum of 9 additional credit hours from Kinesiology and Applied Health science courses:

KIN-3304(3)	Advanced Resistance Training
KIN-3505(3)	Pathology in Sport Medicine
KIN-4106(3)	Exercise Physiology in Chronic Disease
KIN-4201(3)	Ergonomics of the Musculoskeletal System
KIN-4301(3)	Applied Anatomy
KIN-4502(3)	Drugs and Ergogenic Aids in Sport

Plus choose an additional minimum 6 credit hours from any other Kinesiology and Applied Health course, for a minimum total of 48 credit hours from Kinesiology and Applied Health. Students may select up to an additional 30 credit hours in Kinesiology and Applied Health to a maximum of 78 credit hours. A minimum of 18 total credit hours of Kinesiology and Applied Health courses must be at the 3000 or 4000 level.

Statistics Requirement

Choose at least 3 credit hours from:

GEOG-2309(3)**	Statistical Techniques in Environmental Analysis (prereq. GEOG-1102(3) or GEOG-1103(3) or GEOG-1201(3) or GEOG-1202(3) or permission)
PSYC-2101(3)**	Introduction to Data Analysis (prereq. PSYC-1000(6))
STAT 1302(3)**	Statistical Analysis II (prereq. STAT 1301(3))
STAT-1501(3)	Elementary Biological Statistics I ** Courses with prerequisites

Research Design and Methods Requirement

Choose 3 credit hours from:

BIOL-3492(3)	Quantitative and Theoretical Biology (prereq. BIOL-2301(3) and BIOL- 2403(3))
PSYC-2102(3)	Introduction to Research Methods (prereq. PSYC-2101(3) or STAT-1501(3))
SOC-2126(3)	Introduction to Research Design and Qualitative Research (prereq. SOC-1101(6) or permission of department chair)

Science Course Requirement (Non-Kinesiology and Applied Health)

Required:

CHEM-1111(3)	Introduction to Chemical Properties of Matter
CHEM-1112(3)	Basic Principles of Chemical Reactivity
*BIOL-1115(3)	Cells and Cell Processes and BIOL-1116(3) Evolution and Ecology and KIN 2204(3) Introduction to Human Physiology
	or
*BIOL-1112(6)	Human Anatomy and Physiology

Choose a minimum of 18 additional credits from non-Kinesiology and Applied Health science courses for a total of 30 credits of non-Kinesiology science. These can be selected from any course that fulfills the Science Requirement, with the exception of BIOL-1102(6), BIOL-1103(6), HIST-2900(6).

NOTE: The course choices for meeting the Statistics Requirement and the Research Design and Methods Requirement (as outlined above), with the EXCEPTION of GEOG 2309(3) and with the EXCEPTION of SOC 2126(3), may be used as part of this 18 credit hours.

*Students wishing to double major in Biology or take other Biology courses are normally required to take BIOL-1115(3) and BIOL-1116(3). The Human Anatomy and Physiology course may only be used as a prerequisite for the following upper level courses in Biology:

BIOL-2301(3)	Genetics
BIOL-3202(3)	Histology
BIOL-3221(3)	Cell Biology
BIOL-3303(3)	Molecular Genetics and Genomics (prereq. BIOL-2301(3))
BIOL-3602(3)	Comparative Animal Physiology I
BIOL-3603(3)	Comparative Animal Physiology II(prereq. BIOL-3602(3))
BIOL-3562(3)	Human Reproductive Biology
BIOL-3563(3)	Human Embryology
BIOL-4502(3)	Molecular Cell Biology (prereq. BIOL-2301(3), BIOL-3221(3), CHEM-3502(3), CHEM-3503(3), coreq. BIOL-3303(3))
BIOL-4601(3)	Ecological Animal Physiology (prereq. CHEM-1111(3), CHEM-1112(3), and any one of BIOL-2111(6), BIOL-3602(3) and BIOL-3603(3), or CHEM-3502(3) and CHEM-3503(3))

REQUIREMENTS FOR A 4-YEAR BSc IN KINESIOLOGY (ATHLETIC THERAPY)

ADMISSION REQUIREMENT Students are advised to consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Major: Minimum 75 credit hours/Maximum 78 credit hours.

Required Courses:

KIN-1101(3)	Introduction to Kinesiology
BIOL-1112(6)	Human Anatomy & Physiology
PSY-1000(6)	Introductory Psychology
BUS-1201(3)	Introduction to Business I
KIN-2202(3)	Prevention and Care of Sport Injuries
KIN-2301(3)	Human Anatomy
KIN-2304(3)	Scientific Principles of Fitness and Conditioning
KIN-2500(3)	Practicum I- AT: Field/Clinical
KIN-2501(3)	Nutrition for Health and Wellness
KIN-2503(3)	Athletic Taping & Splinting Techniques
KIN-3106(3)	Exercise Physiology
KIN-3107(3)	Therapeutic Modalities in Sport Medicine
KIN-3201(3)	Biomechanics
KIN-3304(3)	Advanced Resistance Training
KIN-3500(6)	Practicum II- AT: Field
KIN-3501(3)	Assessment of Upper and Lower Body Sport Injuries
KIN-3502(3)	Rehabilitation of Upper and Lower Body Sport Injuries
KIN-3503(3)	Massage Techniques in Sport
KIN-3504(3)	Sport First Responder
KIN-3505(3)	Pathology in Sport Medicine
KIN-4301(3)	Applied Anatomy
KIN-4500(6)	Practicum III - AT: Clinical
KIN-4501(3)	Sports Injuries of the Spine
KIN-4502(3)	Drugs and Ergogenic Aids in Sport

Additional Kinesiology electives:

At least one of:
KIN-2305(3) Issues in Health
KIN-3105(3) Psychological Skills in Sport and Life

At least one of:

KIN-3103(3)	Adapted Physical Activity
KIN-3208(3)	Physical Activity and Aging
KIN-4207(3)	Motor Learning and Control

The Canadian Athletic Therapists Association (CATA) requires all athletic therapy certification candidates to have completed 1200 hours of internship. The three Practicum courses (KIN-2500(3), KIN-3500(6), KIN-4500(6)) will account for approximately 600 internship hours.

Statistics Requirement

Choose at least 3 credit hours from:

PSYC-2101(3)	Intro to Data Analysis (prereq. PSYC-1000(6))
STAT 1302(3)**	Statistical Analysis II (prereq. STAT 1301(3))
STAT-1501(3)	Elementary Biological Statistics I

Research Design and Methods Requirement

Choose at least 3 credit hours from:

PSYC-2102(3)	Introduction to Research Methods (prereq. PSYC-2101(3) or STAT-1501(3))
SOC-2126(3)	Introduction to Research Design and Qualitative Research (prereq. SOC-1101(6) or permission of department chair)

REQUIREMENTS FOR THE 4-YEAR BSc IN KINESIOLOGY WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Kinesiology degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

GENERAL INFORMATION

Courses in the Department of Kinesiology and Applied Health are scheduled on a rotation basis. Since faculty members are responsible for multiple courses, a given course may not be scheduled annually. Every effort is made to offer all courses for timely access by students. Contact the Department to express interest in a particular course or in knowing when it will be next available.

COURSE LISTINGS

KIN-1101(3)	Introduction to Kinesiology	KIN-2500(3)	Practicum I: Field/Clinical
KIN-1200(3)	Principles of Coaching	KIN-2501(3)	Nutrition for Health and Wellness
KIN/CLAS-2060(3)	Sport in the Ancient World	KIN-2503(3)	Athletic Taping and Splinting Techniques
KIN-1302(3)	Teaching Individual Physical Activity	KIN-2511(3)	Coaching & Teaching Basketball II
KIN-1303(3)	Teaching Team Physical Activities	KIN-2512(3)	Coaching & Teaching Volleyball II
KIN-2100(3)	Leadership in Sport: Emerging Perspectives	KIN-3103(3)	Adapted Physical Activity
KIN-2101(3)	Program Planning In Sport	KIN-3105(3)	Psychological Skills In Sport and Life
KIN-2104(3)	Outdoor Recreation and Education	KIN-3106(3)	Exercise Physiology
KIN-2105(3)	Sport Psychology	KIN-3107(3)	Therapeutic Modalities in Sport Medicine
KIN-2109(3)	Instructing Sport and Physical Activities	KIN-3201(3)	Biomechanics
KIN-2111(3)	Coaching & Teaching Basketball I	KIN-3206(3)	Directed Studies
KIN-2112(3)	Coaching & Teaching Volleyball I	KIN-3208(3)	Physical Activity and Aging
KIN-2200(3)	Issues in Sport	KIN-3304(3)	Advanced Resistance Training
KIN-2202(3)	Prevention and Care of Sport Injuries	KIN-3305(3)	Physical Activity: Promotion and Adherence
KIN-2204(3)	Introduction to Human Physiology	KIN-3500(6)	Practicum II: Field
KIN-2206(3)	Movement Education	KIN-3501(3)	Assessment of Upper and Lower Limb Sport Injuries
KIN-2207(3)	Physical Growth and Motor Development	KIN-3502(3)	Rehabilitation of Upper And Lower Limb Sport Injuries
KIN-2301(3)	Human Anatomy	KIN-3503(3)	Massage Techniques in Sport
KIN-2304(3)	Scientific Principles of Fitness & Conditioning	KIN-3504(3)	Sport First Responder
KIN-2305(3)	Issues in Health	KIN-3505(3)	Pathology in Sport Medicine
KIN-2400(3)	Teaching Games for Understanding	KIN-4104(3)	Sport Ethics
		KIN-4200(3)	Advanced Seminar in Coaching System
		KIN-4201(3)	Ergonomics of the Musculoskeletal System

KIN-4206(3) Directed Studies
KIN-4207(3) Motor Learning and Control
KIN-4301(3) Applied Human Anatomy
KIN-4500(6) Practicum III: Clinical
KIN-4501(3) Sports Injuries of the Spine
KIN-4502(3) Drugs and Ergogenic Aids in Sport

GEOG-4407(3) Advanced Tourism and Recreation Geography
SOC-2000(3) Sociology Sport

EXPERIMENTAL COURSES

KIN-2850(3) The Classical Roots of Medical Terminology
KIN-3060(3) Health in Antiquity
KIN-4106(3) Exercise Physiology in Chronic Disease

COURSES OFFERED IN OTHER DEPARTMENTS

GEOG-2407(3) Recreation Geography

COURSE DESCRIPTIONS

Students are advised to WebAdvisor or the Timetable on the website for courses to be offered during the current term.

KIN-1101(3) INTRODUCTION TO KINESIOLOGY (Le3) This course is an introduction to the study of human movements, considering knowledge, theory, and application related to physical activity and sport. Human movement is examined from various perspectives, including exercise physiology, biomechanics, motor learning, sport psychology, sport ethics, and sport sociology. This course also includes a review of kinesiology-based career options.

KIN-1200(3) PRINCIPLES OF COACHING (Le3) This course provides a thorough introduction to the coaching process emphasizing the theory and techniques of instruction, preparation and programming. This course will meet the knowledge requirements of the National Coaching Certification Program.

KIN-1302(3) TEACHING INDIVIDUAL PHYSICAL ACTIVITIES (Le2, LaV) This course is designed to develop basic knowledge in the instruction of selected individual and dual sports/activities, appropriate in middle and senior years youth physical education programs, in schools or other settings. Principles of instruction, skill development, basic rules, and strategies of play are studied. Information on growth and motor development, motor learning and control, exercise physiology, and biomechanics related to instruction are also examined.

RESTRICTION: Students with standing in the former KIN 2302(3) may not receive credit for KIN 1302(3).

KIN-1303(3) TEACHING TEAM PHYSICAL ACTIVITIES (Le, La2) This course is designed to develop basic knowledge in the instruction of selected team sports and activities, appropriate in middle and senior years youth physical education programs, in schools, or other settings. Principles of instruction, skill development, basic rules, and strategies of play will be studied. This course will also examine information on current organizational, administrative, management practices and trends as they relate to physical education curriculum, unit, and lesson planning will also be examined.

RESTRICTION: Students with standing in the former KIN 2303(3) may not receive credit for KIN 1303(3).

KIN-2060(3) SPORT IN THE ANCIENT WORLD (Le3) The course examines the origin and historical development of sport in Greece and Rome, its religious and political implications, and the nature of events and contests. Particular attention is given to intellectual and popular attitudes toward sport and the contribution made by Greece and Rome in this area to Western civilization.

CROSS-LISTED: Classics CLAS-2060(3).

KIN-2100(3) LEADERSHIP IN SPORT: EMERGING PERSPECTIVES (Le3) This course explores the origins and development of leadership theory and also discusses emerging contemporary leadership frameworks and their relevance to practitioners in sport. Conclusions about effective leadership are developed resulting from a review of

the most recent research in sport and other related disciplines, and students generate a personal leadership framework enabling them to pursue their future leadership roles with clarity and confidence.

KIN-2101(3) PROGRAM PLANNING IN SPORT (Le3, LaV) This course examines the planning process as it relates to the delivery of sport programs. Special emphasis is given to needs assessment, program design, planning and periodization, risk management formative and summative evaluation, effective sponsorship, fundraising, and program promotion.

KIN-2104(3) OUTDOOR RECREATION AND EDUCATION (Le3, La1) This course views the outdoors as a laboratory for multi-disciplinary approach to learning. The course focuses on the inter-relationships of skills and knowledge in the areas of recreation, education and the environment. Field trips and other outdoor experiences will be an important aspect of the course.

KIN-2105(3) SPORT PSYCHOLOGY (Le3) This course examines the latest research and practice in sport psychology. The psychological effects and contributing factors related to each issue/topic are examined to determine the implications for those involved in sport and related roles and fields. This course also explores the needs of individual participants and the nature of group processes, as well as issues relating to the enhancement of performance, health and well-being.

KIN-2109(3) INSTRUCTING SPORT AND PHYSICAL ACTIVITIES (Le2) This course focuses on knowledge and strategies for instructing sport and physical activity. The target sport or physical activity varies. Topics include terminology, rules, offensive and defensive strategies and tactics, and basic skills of selected sport or activity. Learning outcomes, lesson and unit planning, practice preparation, and skill instruction are covered. Students are expected to be physically active in class and conduct in-class peer teaching. This course may be repeated for credit when the topic varies.

PREREQUISITES: Must complete one of the following – KIN- 1200, KIN -1302 or KIN -1303

RESTRICTIONS: Students with standing in the former KIN-2110: Soccer and KIN 1109:Soccer may not receive credit for KIN-2109: Soccer.

KIN-2111(3) COACHING AND TEACHING BASKETBALL I (Le2) This course offers an introduction to the coaching and teaching of fundamental and one-on-one basketball skills. Students will be given the opportunity for peer teaching and coaching. This course will meet the knowledge requirements of the National Coaching Certification Program.

PREREQUISITES: Must complete one of the following – KIN 1200, KIN 1302 or KIN1303

RESTRICTIONS; Students with standing in the former KIN 1103 (3) may not receive credit for KIN -2111(3).

KIN-2112(3) COACHING AND TEACHING VOLLEYBALL I (Le2) This course offers an introduction to the coaching and teaching of basic volleyball skills and rules. Students will be given the opportunity for peer teaching and coaching. This course will meet the knowledge requirements of the National Coaching Certification Program.

PREREQUISITES: Must complete one of the following – KIN-1200, KIN-1302 or KIN-1303

RESTRICTIONS: Students with standing in former KIN 1108(3) may not receive credit for KIN 2112(3).

KIN-2200(3) ISSUES IN SPORT (Le3) This course focuses on political, ethical, social and cultural issues related to sport organization, implementation, or participation. Students are challenged to assess current issues such as fair play, drug abuse, human rights, etc. and develop perspectives and strategies based on an appreciation of historical, philosophical, and moral considerations.

PREREQUISITES: A minimum of 30 credit hours (1st year standing) including one of KIN-1101(3) or KIN-1200(3).

KIN-2202(3) PREVENTION AND CARE OF SPORT INJURIES (Le3, La2) This course examines techniques and strategies for the prevention and immediate care of athletic injuries. As a requirement of the course, students must obtain certification in Standard First Aid and CPR Basic Rescuer. Students completing the course have the opportunity to certify in Level I and II of the Provincial Athletic First Aider Program. This course can be used toward the Science requirement.

PREREQUISITES: KIN-2301(3).

KIN-2204(3) INTRODUCTION TO HUMAN PHYSIOLOGY (Le3, La2) The purpose of this course is to acquaint the student with the fundamental mechanisms of human physiology. Biological control systems, cellular physiology and the integration of body functions form the main content of the course. Emphasis will be placed on the circulatory, respiratory, nervous, endocrine, muscular and digestive systems. This course can be used toward the Science requirement.

RESTRICTIONS: Students cannot receive credit for KIN-2204(3) and Biology BIOL-1103(6), or KIN-2204(3) and Biology BIOL-1112(6).

Note: This course is primarily intended for Kinesiology students pursuing a degree in Arts or Education.

KIN-2206(3) MOVEMENT EDUCATION (Le3, LaV) Movement Education is an approach to teaching physical education to elementary school children. It is characterized as a success-oriented, child-centred, noncompetitive teaching method that utilizes games, gymnastics and dance to foster children's development in all learning domains. Students study the theoretical concepts and acquire hands-on lesson planning and teaching experience working with their peers and elementary school children.

KIN-2207(3) PHYSICAL GROWTH AND MOTOR DEVELOPMENT (Le3) This course reviews knowledge and practice pertaining to physical growth, biological maturation, and motor development and their interrelationship in human performers. Particular emphasis is placed on the assessment and the development of basic movement skills through programming strategies for individuals and large groups.

KIN-2301(3) HUMAN ANATOMY (Le3, La2) This course involves a study of the human anatomical systems and their integration. Special emphasis is placed on the skeletal, articular and muscular systems. As well, the course

investigates the analysis of movement. This course can be used toward the Science requirement.

KIN-2304(3) SCIENTIFIC PRINCIPLES OF FITNESS AND CONDITIONING (Le3, La2) In this course students understand and apply physiological principles to sport, fitness, physical activity, health, and physical education. Students also evaluate existing conditioning methods and develop skills in fitness assessment and exercise prescription. This course meets the knowledge requirement of the Manitoba Fitness Council's Fitness Theory Course. This course can be used toward the Science requirement.
PREREQUISITE: KIN-2301(3)

KIN-2305(3) ISSUES IN HEALTH (Le3) This course introduces the student to contemporary topics and issues in health and wellness. Issues are drawn from areas such as mental, emotional, physical, social, spiritual, and occupational health, for example, sexual health concerns, body image and stress management. This course prepares students to participate in health promotion in the school or community by developing the knowledge necessary to make responsible health decisions.

KIN-2400(3) TEACHING GAMES FOR UNDERSTANDING (Le3, LaV) The Teaching Games for Understanding (TGFU) model is a teaching approach that gives school-aged children the opportunity to learn game strategies, tactics and skills in a logical and inviting way. The TGFU approach is learner centred and develops the skills and strategies necessary to be successful in games. This teacher-friendly course engages the participant in a sampling of activities and offers an opportunity to develop, internalize and integrate the concepts presented through participation and peer teaching.

KIN-2500(3) PRACTICUM I FIELD/CLINICAL (V) The purpose of this course is to provide the student with insights into field and clinical responsibilities of athletic therapy. The student is assigned as an assistant to a health care provider in both field and clinical settings. The student is introduced to the application of theoretical knowledge about the prevention and on-field and clinical management of sport injuries. This practicum provides approximately 100 internship hours toward certification by the Canadian Athletic Therapists Association. This course can be used toward the Science requirement.

PREREQUISITES: A minimum grade of B in KIN-2202(3) and permission of instructor.

Co-REQUISITES: KIN-2503(3) and KIN-3504(3) and permission of instructor. Students who have already completed KIN-2503 and KIN-3504 should inform registration staff that they have standing in the co-requisite courses.

KIN-2501(3) NUTRITION FOR HEALTH AND WELLNESS (Le3) This course introduces the student to nutrition information, especially as it contributes to informed decision-making. Students develop an understanding of the importance of appropriate food choices by focusing on the role of nutrition in optimal health, physical activity and disease prevention. Topics include the major nutrients, Canadian nutritional standards and guidelines. This course is particularly useful for students who intend to become physical education teachers, coaches, and athletic therapists. This course can be used toward the Science requirement.

KIN-2503(3) ATHLETIC TAPING AND SPLINTING TECHNIQUES (Le3, LaV) In this course, the student studies the theoretical bases and learn the application of various taping and splinting techniques in sport. The

student develops proficiency in the advanced techniques of taping the foot, ankle, knee, hip and upper limb. The student is also introduced to techniques in splinting and bracing including foot orthotics, knee braces, and specialized splints.
PREREQUISITES: A minimum grade of B in KIN-2202(3) and KIN-2301(3) or permission of instructor.

KIN-2511(3) COACHING AND TEACHING BASKETBALL II (Le2) This course focuses on the coaching and teaching of basketball team offensive and defensive skills. Game strategies, practice and game preparation will also be examined. Students will be given the opportunity to assist coaches in the public school setting as well as to participate in peer teaching and coaching. This course will meet the knowledge requirements of the National Coaching Certification Program.

RESTRICTIONS: Students with standing in the former KIN 2108(3) may not hold credit in KIN 2511(3)

PREREQUISITES: KIN-2111(3), or the former KIN-1103(3), or permission of instructor.

KIN-2512(3) COACHING AND TEACHING VOLLEYBALL II (Le2) This course focuses on the coaching and teaching of volleyball team offensive and defensive skills. Game strategies and practice preparation will also be examined. Students will be given the opportunity to participate in peer teaching and coaching. This course will meet the knowledge requirements of the National Coaching Certification Program.
RESTRICTIONS: Students with standing in the former KIN 2108 may not receive credit in KIN 2512(3).
PREREQUISITES: KIN-2112(3), or the former KIN-1108(3), or permission of instructor.

KIN-3103(3) ADAPTED PHYSICAL ACTIVITY (Le2, LaV) This course discusses relevant topics such as diversity, adaptation, inclusion, and the interaction of person, task and environment variables in facilitating physical activity for persons with disabilities. While the focus is on school physical education programs, the course has application to other environments, such as fitness, recreation, sport, and institutional settings. Students are required to volunteer in an out-of-class physical activity program for people with disabilities (minimum of 8 hours) and submit a typed report their experiences.

KIN-3105(3) PSYCHOLOGICAL SKILLS IN SPORT AND LIFE (Le3, LaV) This course involves the study of theories and practices pertaining to psychological skill assessment, development and monitoring. Modern mental preparation techniques will be analyzed and implications for performance and satisfaction enhancement in sport and life discussed.

KIN-3106(3) EXERCISE PHYSIOLOGY (Le3, La3) This course examines the physiological response of the human body to the stress of acute and chronic exercise. Emphasis is placed on the neuromuscular and cardio-respiratory systems with special attention to the application of physiological principles of training. Laboratory work will illustrate specific physiological effects of exercise stress. This course can be used toward the Science requirement.

PREREQUISITES: KIN-2204(3) or BIOL-1112(6) or permission of instructor.

KIN-3107(3) THERAPEUTIC MODALITIES IN SPORT MEDICINE (Le3) This course involves a study of the principles of various modalities utilized in an athletic therapy clinic for the rehabilitation and reconditioning of sports injuries. It deals with the physiology of healing and how this process can be facilitated with the use of therapeutic modalities including ice, heat, muscle stimulation, ultrasound, and lasers. This course can be used toward the Science requirement.

PREREQUISITES: A minimum grade of B in KIN-2301(3), KIN-2202(3), and KIN-3505(3) or permission of the instructor.

KIN-3201(3) BIOMECHANICS (Le3, La2) This course employs mechanical and neuromuscular principles in the qualitative and quantitative analysis of human movement. Laboratory work examines two-dimensional kinematics and kinetics. This course can be used toward the Science requirement.

PREREQUISITES: KIN-2301(3).

RESTRICTION: Students may not hold credit for this course and the former KIN-2201(3).

KIN-3206(3) DIRECTED STUDIES (D) Students wishing to pursue topics of special interest at an advanced level may do so in consultation with and under the supervision of a faculty member.

PREREQUISITES: Permission of the Department.

KIN-3208(3) PHYSICAL ACTIVITY AND AGING (Le3) The course introduces students to various theories, concepts, topics, and issues associated with the effects of physical activity on adult development and aging. Course content includes a brief review of the nature of aging; physical activity patterns and preferences of older adults; the impact of the aging process on selected systems of the body; the impact of physical activity on aging adults; the impact of physical activity on disease states in older adults; and physical activity program design and delivery for older populations. Students are required to participate in a community practicum experience related to adult development, aging and physical activity.

KIN-3304(3) ADVANCED RESISTANCE TRAINING (Le3, LaV) This course examines the principles of resistance training from anatomical, biomechanical and physiological bases. Topics to be covered include: teaching specific exercise techniques, spotting and participant safety, program design, testing and monitoring, and physiological adaptations to training. The course has a large practical component, in which students are expected to acquire and demonstrate their expertise in the topic areas. This course will meet the knowledge requirement of the Manitoba Fitness Council's Resistance Training Course. This course can be used toward the Science requirement.

PREREQUISITES: KIN-2301(3) and KIN-2304(3).

KIN-3305(3) PHYSICAL ACTIVITY: PROMOTION AND ADHERENCE (Le3) This course examines theory and practices that promote the adoption of physical activity and health behaviour, as well as strategies to foster adherence. Topics include effective individual and community intervention design, counselling in the fitness profession and the dose-response relationship to adherence of physical activity. Issues related to obesity, exercise addiction and physical activity across the lifespan are also discussed.
PREREQUISITES: A minimum of 30 credit hours successfully completed.

KIN-3500(6) PRACTICUM II: FIELD (V) The purpose of this course is to provide on-field experience in athletic therapy under the supervision of a certified athletic therapist or approved health professional. The student will learn to apply the theoretical knowledge of injury prevention, pre-game preparation, trauma management, injury assessment, treatment and rehabilitation in a field setting. The practicum will provide approximately 250 internship hours toward certification by the Canadian Athletic Therapists Association. This course can be used toward the Science requirement.

PREREQUISITES: Minimum Grade of B in KIN-2500(3), KIN-2503(3), KIN-3504(3) **AND** permission of instructor

KIN-3501(3) ASSESSMENT OF UPPER AND LOWER LIMB SPORT INJURIES (Le3, La2) This course presents the theoretical and practical knowledge necessary for the recognition of athletic injuries to the appendicular skeleton. Students will study orthopaedic assessment techniques as well as history taking, record keeping, and assessment protocols. This course can be used toward the Science requirement.

PREREQUISITES: A minimum grade of B in KIN-2301(3) and KIN-2202(3) or permission of instructor.

KIN-3502(3) REHABILITATION OF UPPER AND LOWER LIMB SPORT INJURIES (Le3, La2) This course presents the theoretical and practical knowledge necessary for the treatment of athletic injuries to the appendicular skeleton. Students will study rehabilitation protocols, including pain and inflammation management, range of motion, strength and reintegration to physical activity. This course can be used toward the Science requirement.

PREREQUISITES: A minimum grade of B in KIN-2304(3), KIN-3201(3) and KIN-3501(3) or permission of instructor.

KIN-3503(3) MESSAGE TECHNIQUES IN SPORT (Le3, LaV) In this course the student learns the theoretical basis and technical application of sport massage. The course examines the basic components of sport massage, pre- and post- event massage techniques, and the role of massage in the rehabilitation of athletic injuries.

PREREQUISITES: A minimum grade of B in both KIN-2301(3) and KIN-2202 (3) or permission of instructor.

KIN-3504(3) SPORT FIRST RESPONDER (Le3, LaV) In this course, students study the essentials of emergency care and develop the skills required to effectively respond to a medical emergency, particularly as it relates to the sport environment. Topics include field evaluation of traumatic injuries, primary and secondary survey, airway management, and neurological, internal and orthopaedic injuries.

PREREQUISITES: A minimum grade of B in KIN-2202(3) or permission of instructor.

KIN-3505(3) PATHOLOGY IN SPORT MEDICINE (Le3) This course introduces the student to pathological manifestations occurring during illness and injury. Topics include the cellular and vascular events that occur after an injury, the inflammatory and healing process, as well as the many systemic and organically based illnesses and injuries that may be complicating factors when treating athletic injuries. This course can be used toward the Science requirement.

PREREQUISITES: BIOL-1112(6) or KIN-2204(3) and KIN-2301(3) or permission of instructor.

KIN-4104(3) SPORT ETHICS (Le3) Using such philosophical concepts as deontology, teleology and existentialism, this course provides an inquiry into ethics and morality as they apply to sport and physical education. The course challenges students' understanding of theories and frameworks, develops skills using methods in moral reasoning and critical reflection, and examines issues of professionalism and professional conduct. The role of organizations in promoting ethical values and social responsibilities in sport and physical education is also examined and critically evaluated. This course may be used in partial fulfillment of the U of W Humanities requirement.

PREREQUISITES: One of KIN-2200 (3) or KIN-2305 (3), or permission of the instructor.

RESTRICTIONS: Students may not hold credit for this course and the former KIN-3104(3).

KIN-4200(3) ADVANCED SEMINAR IN COACHING (Le3, LaV) This course is designed to integrate the theoretical and technical components of coaching. Students will discuss and prepare annual and quadrennial plans for their sport.

PREREQUISITES: KIN-1200(3), KIN-2101(3), KIN-2105(3), KIN-2501(3), KIN-3106(3), KIN-3201(3) and KIN-3304(3).

Co-REQUISITES: KIN-4207(3).

RESTRICTIONS: Students may not hold credit for this course and the former 88.3200(3).

KIN-4201(3) ERGONOMICS OF THE MUSCULOSKELETAL SYSTEM (Le3) This course focuses on the applied biomechanics of the musculoskeletal system, with specific emphasis on the role that effective and efficient ergonomics can play in the prevention of both acute and chronic injuries of the musculoskeletal system that occur as a result of abnormal, altered, or inefficient anatomical biomechanics.

This course can be used toward the Science requirement.

PREREQUISITES: KIN-4301(3).

KIN-4206(3) DIRECTED STUDIES (D) Students pursue topics of special interest at an advanced level in consultation with, and under the supervision of a faculty member. Content and approach vary depending upon instructor and student interests.

PREREQUISITES: Permission of the Department.

KIN-4207(3) MOTOR LEARNING AND CONTROL (Le3)

This course investigates contemporary theories, topics and issues in motor learning and motor control. Relevant theoretical concepts are applied to teaching, coaching and other physical activity settings. Various theories of motor learning and control are studied with an emphasis on Dynamic Systems Theory. The course studies the conditions and underlying processes associated with motor skill learning. Specific topics include the nature of motor learning and control; measurement and motor performance; structuring a practice environment; effective instructional conditions; transfer of learning; feedback; the controversy over abilities; and underlying neuromuscular processes in motor skill learning. This course can be used toward the Science requirement.

PREREQUISITES: Must have successfully completed a minimum of 45 credit hours before registering.

RESTRICTIONS: Students may not hold credit for this course and the former KIN-3207(3).

KIN-4301(3) APPLIED HUMAN ANATOMY (Le3) The course focuses on the functional aspects of human anatomy. Topics include applied neuroanatomy surface anatomy, arthrokinematics, muscular synergies in movement and palpatory skills. The course is particularly useful for students interested in Athletic Therapy, personal fitness training and other related medical fields. This course can be use toward the Science requirement.

PREREQUISITES: KIN-2301(3), KIN-3201(3) AND KIN-2204(3) or BIO-1112(6).

KIN-4500(6) PRACTICUM III: CLINICAL (V) The purpose of this course is to gain advanced clinical experience in athletic therapy under the direct supervision of a certified athletic therapist or approved health professional. The student applies the theoretical knowledge of trauma management, injury assessment, treatment and rehabilitation in clinical settings. This practicum provides approximately 250 internship hours toward certification by the Canadian Athletic Therapists Association. This course can be used toward the Science requirement.

PREREQUISITES: Minimum Grade of B in KIN-2500(3), KIN-3502(3) **AND** permission of instructor.

KIN-4501(3) SPORTS INJURIES OF THE SPINE (Le3, La2) The student studies injuries incurred to the cervical, thoracic and lumbar spine including joints, ligaments, discs and surrounding musculature. The brain and skull are also studied. Topics include anatomy, mechanisms of injury,

signs and symptoms, assessment techniques, treatment and rehabilitation. This course can be used toward the Science requirement.

PREREQUISITES: A minimum grade of B in KIN-3501(3) and KIN-3502(3) or permission of instructor.

KIN-4502(3) DRUGS AND ERGOGENIC AIDS IN SPORT (Le3) This course examines the historical and contemporary issues and the physiological effects of the use and abuse of drugs and ergogenic aids in sport. Topics include the physiological effects of performance enhancing drugs such

as anabolic steroids, stimulants, beta blockers, herbal supplements, creatine, and blood doping. The student is introduced to national and international guidelines for banned substances and testing protocols. Discussion also includes the common prescription and non-prescription drugs used in sport. The moral and ethical aspects of drugs and ergogenic aids in sport are emphasized throughout the course. This course can be used toward the Science requirement.

PREREQUISITES: KIN-3106(3)

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

KIN-2850(3) THE CLASSICAL ROOTS OF MEDICAL TERMINOLOGY (Le3) This course considers several of the most important ancient medical writers (Soranus, Celsus, and Galen, among others), their historical works, and contributions to ancient and modern medicine and medical terminology. Knowledge of medical terminology equips students for a variety of fields. This course also lays out the most important Greek and Latin roots of the vocabulary of contemporary medicine and demonstrates the predictable patterns by which these roots combine, introducing students to the concept of building language using root words, prefixes and suffixes. Students learn to define new compounds and phrases by analysis of their parts.

CROSS-LISTED: CLAS-2850(3)

RESTRICTIONS:: Students with credit in CLAS-2800(3) Greek and Latin in Today's English may not receive credit in this course.

KIN-3060(3) HEALTH IN ANTIQUITY (LeS3) This course explores health, disease, and medicine in the Greek and Roman world. It draws upon evidence from the ancient textual sources (especially Galen and Hippocrates), social history, and archaeology (the latter including all manner of finds—architecture, art, artifacts, environmental materials, and skeletal remains) to examine how residents of the Greek and Roman world perceived and experienced health and disease, and how they sought to combat illness and to promote healing.

CROSS-LISTED: ANTH-3262(3), CLAS-3060(3)

KIN-4106(3) EXERCISE PHYSIOLOGY IN CHRONIC DISEASE (Le3) In developed nations, chronic diseases comprise the major causes of morbidity and mortality. This course examines the pathophysiology of selected chronic diseases and how each affects exercise performance. Exercise prescription for these higher risk populations is also examined. The chronic diseases discussed include, but are not limited to: cardiovascular disease, diabetes, arthritis, osteoporosis.

PREREQUISITES: KIN-3106 and KIN-3505. In the absence of prerequisites, permission of instructor.

INTERDISCIPLINARY LINGUISTICS (LING)

Updated September 23, 2013

Coordinator: I. Roksandic; **Faculty:** Professors: L. Dietrich, P. Greenhill, Z. Izydorczyk, M. McIntyre, L. Rodriguez, J. Zupko; Associate Professors: G. Fulford, J. Cahill, J. Machin-Lucas, K. Malcolm, T. Whalen; Assistant Professors: L. Edmund, J. Newmark

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

INTRODUCTION

Linguistics examines the complexities of language use in daily communication in various social and cultural contexts. Its major subdisciplines include phonetics and phonology, morphology, syntax, semantics, and pragmatics. A better understanding of how language encodes meaning helps students write, read and speak with greater confidence, fluency, and power. A better understanding of how the cultural context influences and is influenced by linguistic choices enables students to better understand others and to extend their own range of and success with subtle forms of expression.

Through a 3-Year BA, 4-Year BA, or Honours BA, students investigate written and spoken, literary and non-literary texts from relevant theoretical perspectives. Many Linguistics courses are taken in departments such as Anthropology, English, Modern Languages and Literatures, Philosophy, Religion & Culture, and Rhetoric, Writing & Communications, hence the interdisciplinary nature of the program.

REQUIREMENTS FOR A 3-YEAR BA IN INTERDISCIPLINARY LINGUISTICS

ADMISSION REQUIREMENT	Students must consult with the Program Coordinator in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a Maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours in the Major subject.
Double Major:	30 credit hours in Linguistics and specified number of credit hours in other departments/programs.
Required Courses:	Minimum 24 credit hours from LIST A, including: LING-1001(6) 6 credit hours from LING-2000 series 6 credit hours from LING-2100 series 6 credit hours from LING-3000, 3100, 3200, 3300 or 3400 series Minimum 6 credit hours from LIST B.
Combined Major:	Minimum 48 credit hours from two (2) different Majors with not less than 18 credit hours from each major subject.
Prescribed Courses:	LING-1001(6) 6 credit hours from LING-2000 series 3 credit hours from LING-2100 series 3 credit hours from LING-3000, 3100, 3200, 3300 or 3400 series

First-Year Course:

The Introduction to Linguistics course **LING-1001(6)** should be taken in the first year if possible. This course introduces and prepares students for 2000-level linguistics courses.

Upper-Level Courses:

Students in the Interdisciplinary Linguistics Program, are encouraged to take 2000 and 2100-level courses in their second year of studies and 3000 and 3100 and 3200-level courses in their third year. For courses on List A, the numbers and their order are significant. If the second digit from the left is a 0, the course focuses primarily on language structure (e.g. 2001); if the second digit from the left is a 1, the course examines the use of language in the context of culture (e.g. 2101); if the second digit from the left is a 2, the course is a special studies or apprenticeship course, with a unique focus determined each year by the instructor (e.g. 3201); if the second digit from the left is a 3, the course is delivered in French; if the second digit from the left is 4, the course is delivered in German or Spanish.

Students registering in second-, and third-year-level courses may wish to consult with the course Instructor. All students registering in fourth-year/honours-level courses and/or declaring their major in Linguistics must have written approval from the Coordinator to register.

While fourth-year/honours-level courses are part of the Honours program, some students in the general program may be qualified to take them. Students who wish to take fourth-year/honours-level courses must have an overall GPA of at least 3.0 in the Linguistics courses that they have completed. In addition, they require written permission from the Program Coordinator or his designate to register.

REQUIREMENTS FOR A 4-YEAR BA IN INTERDISCIPLINARY LINGUISTICS

ADMISSION REQUIREMENT	Students are urged to consult with the Coordinator in planning their studies. Minimum 30 credit hours completed previously.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours in the Major subject.
Double Major:	Minimum 48 credit hours in each Major subject as specified by the program.
Cognates	Minimum of 18 credits hours/Maximum of 36 credit hours in cognate courses.
Required courses:	
Minimum 36 credit hours from LIST A and 12 credit hours from LIST B including the following	
LING-1001(6) Introduction to Linguistics	
6 credit hours from LING-2000 series	
6 credit hours from LING-2100 series	
6 credit hours from LING-3000, 3100, 3200, 3300 or 3400 series	
Combined Major:	Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject
Prescribed Courses:	
Minimum 18 credit hours from LIST A and 6 credit hours from LIST B including the following	
LING-1001(6) Introduction to Linguistics	
6 credit hours from LING-2000 series	
3 credit hours from LING-2100 series	
3 credit hours LING-3000, 3100, 3200, 3300 or 3400 series	

First-Year Course:

The Introduction to Linguistics course **LING-1001(6)** should be taken in the first year if possible. This course introduces and prepares students for 2000-level linguistics courses.

Upper-Level Courses:

Students in the Interdisciplinary Linguistics Program, are encouraged to take 2000 and 2100-level courses in their second year of studies, 3000 and 3100 and 3200-level courses in their third year, and 4000, 4100 and 4200-level courses in their fourth year. For courses on List A, the numbers and their order are significant. If the second digit from the left is a 0, the course focuses primarily on language structure (e.g. 2001); if the second digit from the left is a 1, the course examines the use of language in the context of culture (e.g. 2101); if the second digit from the left is a 2, the course is a special studies or apprenticeship course, with a unique focus determined each year by the instructor (e.g. 3201 or 4201); if the second digit from the left is a 3, the course is delivered in French; if the second digit from the left is 4, the course is delivered in German or Spanish

Students registering in second-, and third-year-level courses may wish to consult with the course Instructor. All students registering in fourth-year/honours-level courses and/or declaring their major in Linguistics must have written approval from the Coordinator to register. Students who wish to take fourth-year/honours-level courses must have an overall GPA of at least 3.0 in the Linguistics courses that they have completed. In addition, they require written permission from the Program Coordinator or his designate to register.

Additional Information:

Students must consult with the Program Coordinator in planning their curriculum and completing the required Permission forms **at each registration**. A minimum 3.0 GPA in 4000, 4100 and 4200-level courses is required; students lacking the requisite 3.0 GPA must consult the Program Coordinator regarding eligibility/permission.

REQUIREMENTS FOR AN HONOURS BA IN INTERDISCIPLINARY LINGUISTICS

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including minimum 18 credit hours at the upper level (3000/4000) of which a minimum of 9 credit hours are at the 4000 level

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENTS

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.
Required Courses: Minimum 42 credit hours from LIST A and 12 credit hours from LIST B including the following:
Introduction to Linguistics LING-1001(6)
6 credit hours from LING-2000 series
6 credit hours from LING-2100 series
12 credit hours from LING-3000, 3100, 3200, 3300 or 3400 series
12 credit hours in LING-4000, 4100 or 4200 series

Additional Requirements: Minimum 6 credit hours in the study of a second language from Aboriginal Languages (Cree, Ojibwe), Classics (Greek or Latin), Modern Languages and Literatures (French, German, Spanish, Italian), English (Old English), Religious Studies (Arabic, Biblical Hebrew), or East Asian Languages and Culture (Japanese, Mandarin).

Double Honours:	Minimum 36 credit hours in each Honours Subject Minimum 30 credit hours in courses from List A and 6 credit hours in courses from LIST B
Cognates	Minimum of 18 credits hours/Maximum of 36 credit hours in cognate courses.
Required Courses:	Introduction to Linguistics LING-1001(6) 6 credit hours from LING-2000 series 6 credit hours from LING-2100 series 9 credit hours from LING-3000, 3100, 3200, 3300, 3400 series 9 credit hours from LING 4000, 4100 or 4200 series

First-Year Course:

The Introduction to Linguistics course **LING-1001(6)** should be taken in the first year if possible. This course introduces and prepares students for 2000-level linguistics courses.

Upper-Level Courses:

Students in the Interdisciplinary Linguistics Program, are encouraged to take 2000 and 2100-level courses in their second year of studies, 3000 and 3100 and 3200-level courses in their third year, and 4000, 4100 and 4200-level courses in their fourth year. For courses on List A, the numbers and their order are significant. If the second digit from the left is a 0, the course focuses primarily on language structure (e.g. 2001); if the second digit from the left is a 1, the course examines the use of language in the context of culture (e.g. 2101); if the second digit from the left is a 2, the course is a special studies or apprenticeship course, with a unique focus determined each year by the instructor (e.g. 3201 or 4201); if the second digit from the left is a 3, the course is delivered in French; if the second digit from the left is 4, the course is delivered in German or Spanish.]

Students registering in second-, and third-year-level courses may wish to consult with the course Instructor. All students registering in fourth-year/honours-level courses and/or declaring their major in Linguistics must have written approval from the Coordinator to register. Students who wish to take fourth-year/honours-level courses must have an overall GPA of at least 3.0 in the Linguistics courses that they have completed. In addition, they require written permission from the Program Coordinator or his designate to register.

Additional Information:

Honours Students must consult with the Program Coordinator or designate in planning their curriculum and completing the required Permission forms **at each registration**. A minimum 3.0 GPA in Honours subject courses is required; students lacking the requisite 3.0 GPA must consult the Program Coordinator or designate regarding eligibility/permission to take 4000, 4100 and 4200-level courses.

GENERAL INFORMATION

In the following descriptions of Interdisciplinary Linguistics Program courses, these terms are used:

PREREQUISITE: A course which students must have taken before they can enter another course.

COREQUISITE: A course that must be taken during the same session as another course.

COGNATE: A course from a related department.

CROSS-LISTED: A cross-listed course is available as part of a major in more than one department or program.

For the following courses there are additional **prerequisites**; please check the course descriptions:

- LING-2102(3) Method and Theory in Linguistic Anthropology
- LING-2301(3) Phonetics
- LING-3002(3) Discourse Analysis
- LING-3006(3)/4006(3) Language Typology
- LING-3101(3) Institutional Discourse
- LING-3301(3) French Lexicology
- LING-3302(3) French Morphology & Syntax
- LING-4005(3) Semiotics and Structuralism
- LING-4301(3) French Lexicography
- LING-4302(3) Syntax of Modern French

For prerequisites for other 4000-level courses, see individual course descriptions.

4000, 4100 and 4200-Level Courses

Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the Program Coordinator or designate concerned regarding eligibility to take 4000-level courses). Permission of the Program Coordinator or designate is required for each 4000, 4100 and 4200-level course.

COURSE LISTINGS

Please Note: The courses listed in the left column have *no relation* to those listed on the same line in the right column.

LIST A - Basic Courses

<i>In English</i>	<i>In French</i>
LING-1001(6) Introduction to Linguistics	LING-2301(3) French Phonetics
LING-2001(3) Phonetics and Phonology	LING-3301(3)_ French Lexicology
LING-2002(3) Morphology	
LING-2003(3) Syntax	
LING-2004(3) Semantics	LING-3302(3) French Morphology & Syntax
LING-2101(3) Language and Culture	LING-4301(3) French Lexicography
LING-2102(3) Linguistic Anthropology	LING-4302(3) Syntax of Modern French
LING-2103(3) Languages of the World	
LING-3001(6) Textual Analysis	
LING-3002(3) Discourse Analysis	
LING-4204(3) Research Apprenticeship	
LING-3006(3)/4006(3) Language Typology	
LING-3101(3) Institutional Discourse	
LING-3102(3)/4102(3) Indo-European Linguistics & Mythology	
LING-3201(3) Special Studies	
LING-4001(3) History of Linguistics	
LING-4002(3) Contemporary Linguistics Theory	
LING-4003(3) Topics in Linguistics	
LING-4004(3) Honours Thesis	
LING-4005(3) Semiotics and Structuralism	
LING-4101(3) Topics in Language and Culture	
LING-4201(3) Special Studies I	
LING-4202(6) Special Studies II	
LING-4203(3) Tutorial Apprenticeship	

In German

LING-2401(3) German Phonetics
LING-3401(3) German Lexicology

LIST B - Interdisciplinary Applications

<i>In English</i>	<i>In French</i>
ANTH-3113/4113(3) Algonquian Ethnography	WGS-2001(3) Gender and Folklore
CLAS-2800(3) Greek and Latin in Today's English	
CRS-2252(3) Conflict and Communication	
ENGL-3812(6) A History of the English Language	FREN-3301(3) History of the French Language
PHIL-3304(3) Philosophy of Language	FREN-3111(6) Comparative Stylistics and Translation
PSYC-2620(3) Psycholinguistics	FREN-3202(3) Regional Varieties of French
PSYC-3480(3) Interpersonal Communication	FREN-3205(3) Studies in Bilingualism
RHET-2139(3) Rhetorics of Visual Representations	
RHET-3151(3) Critical Studies of Discourse	
RHET-3153(3) Studies in the Rhetorics of Gender	
SOC-3214(3) Mass Communication and Media	
SOC-3215(3) Popular Culture	

In German or Spanish

GERM-3404(3) History of the German Language
SPAN-3301(3) History of the Spanish Language

COURSE DESCRIPTIONS

LING-1001(6) INTRODUCTION TO LINGUISTICS (Le6) This course introduces students to the nature of human language and linguistic research. The aim is familiarize students with the properties of language by focusing on the following core areas: phonetics and phonology (sound structure), morphology (word structure), syntax (sentence structure), semantics (the structure of meaningful categories) and pragmatics (the use of language in specific social and cultural contexts). Other topics covered include language acquisition, language variation and language change. A variety of languages are used for illustration.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-1004(6)

CROSS-LISTED: ANTH-1004(6).

LING-2001(3) PHONETICS AND PHONOLOGY (Le3) The course describes all English consonant and vowel sounds in terms of their place and manner of articulation. It also identifies how sounds are organized into syllables and words by studying the concepts of phonemes, allophones, and phonological rules. Although the focus is on English phonology, the course refers to other languages to illustrate key concepts.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-2401(3) or ENGL-2803(3).

CROSS-LISTED: ANTH-2401(3) and ENGL-2803(3).

NOTE: Students taking ENG-2803(3) require six credit hours of first-year English courses as a prerequisite.

LING-2002(3) MORPHOLOGY (Le3) This course introduces students to the concepts and methods of word analysis. Students investigate the nature of morphemes (smallest units of meaning), their different types and functions, and the different ways they are organized into words. The course explores the process of word formation through derivation and compounding as well as grammatical uses of inflectional morphemes. Based largely in English, both lectures and exercises also draw on various other languages to highlight key morphological features and constructs.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-2402(3) or ENG-2805(3).

CROSS-LISTED: ANTH-2402(3) and ENG-2805(3)

NOTE: Students taking ENGL-2805(3) require six credit hours of first-year English courses as a prerequisite.

LING-2003(3) SYNTAX (Le3) Syntax is the study of the arrangement of words into groups, clauses and sentences. In this course students use morphological, syntactic, semantic, and lexical criteria to define traditional parts of speech, in order to understand how these combine in to form a variety of clauses and sentence types. Form, function, class and structure are introduced from the perspective of systemic functional and communication linguistics. These descriptive frameworks are contrasted with transformational generative models and others.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-2403(3) or ENG-2802(3).

CROSS-LISTED: ANTH-2403(3) and ENGL-2802(3)

NOTE: Students taking ENG-2802(3) require six credit hours of first-year English courses as a prerequisite.

LING-2004(3) SEMANTICS (Le3) This course offers an introduction to the basic concepts and methods in the analysis of natural language meaning. Students examine current approaches and assess their merit. Approaches to be covered may include structuralist semantics, cognitive semantics, referential semantics, and radical pragmatics.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-2405(3) or ENGL-2806(3).

CROSS-LISTED: ANTH-2405(3) and ENGL-2806(3)

NOTE: Students taking ENG-2806(3) require six credit hours of first-year English courses as a prerequisite.

LING-2101(3) LANGUAGE AND CULTURE (Le3) The course examines how language encodes cultural dialects from different regions and time periods within various social and cultural contexts. Selected British, American, and Canadian dialects are studied from specific historical and contemporary periods. Social factors such as age, gender, ethnicity, class, socio-economic, educational, political, and religious factors are considered from a sociolinguistic perspective.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-2406 or ENGL-2804(3).

CROSS-LISTED: ANTH-2406(3) and ENGL-2804(3)

NOTE: Students taking ENG-2804(3) require six credit hours of first-year English courses as a prerequisite.

LING-2102(3) METHOD AND THEORY IN LINGUISTIC ANTHROPOLOGY (Le,S3) The course examines the relationship between language and culture, including the theories and principles of linguistic anthropology. More than 20 languages are compared and contrasted in order to understand the concepts of language structure. Topics include the constituent elements of language, pragmatics, language change, literacy and nonverbal communication.

PREREQUISITES: ANTH-1001(6) or ANTH-1002(3) or LING-1001(6) or permission of the instructor in the absence of prerequisites.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-2400(3).

CROSS-LISTED: ANTH-2400(3)

LING-2103(3) LANGUAGES OF THE WORLD (Le, S3)

Taking a general overview of the linguistic map of the world where approximately 7000 languages are currently spoken, this course looks at some of the main language families and examines evidence for genetic relationships within them. Variations within a single language, principles underlying different writing systems, as well as issues of language contact, endangered languages, and the role of English as an emerging world language are also considered. Examples are drawn from a wide range of languages.

RESTRICTIONS: This course may not be taken for credit by students with credit in LING-2404(3).

CROSS-LISTED: ANTH-2404(3).

LING-2301(3) PHONETICS (Le3) This course presents the theory and practice of the main aspects of French phonetics and phonology, its practical applications (e.g. the use of pronunciation dictionaries), and material realizations in standard French. Theory will cover the physiology of speech, the International Phonetic Alphabet, as it relates to French, and phonetic transcription. Orthoepy (the relationship between pronunciation and orthography) will be stressed. Practice will emphasize correcting the student's oral performance in French.

PREREQUISITES: FREN-2202(3)

RESTRICTIONS: This course may not be taken for credit by students with credit in the former FREN-2201(3)

LING-2401(3) GERMAN PHONETICS (Le3) This course presents the theory and practice of German phonetics and phonology, its practical applications (e.g. the use of pronunciation dictionaries), and its material realizations in standard German. The theory covered includes the physiology of speech, the International Phonetic Alphabet as it relates to German, and phonetic transcription. Emphasis is placed on orthoepy (the relationship between pronunciation and orthography) and on correcting the student's oral performance in German.

PREREQUISITES: GERM-2109(3)

CROSS-LISTED: GERM-2202(3)

LING-3001(6) TEXTUAL ANALYSIS (Le3) This course examines the principles and methods of textual analysis as a language-centred approach to literary and non-literary discourse. Various texts are analyzed using six descriptive linguistic tools, namely sounding (phonology), seeing (graphology), wording (lexis), arranging (syntax), meaning (semology and semantics), and connecting (cohesion). Textual analysis considers the effect of writers' choices to create different reader responses to literary elements such as developing characters, building suspense, creating humour, and achieving particular rhetorical purposes.

RESTRICTIONS: This course may not be taken for credit by students with credit in ANTH-3405 or ENGL-3800.

CROSS-LISTED: ANTH-3405(6) and ENGL-3800(6)

NOTE: Students taking ENGL-3800 (6) require six credit hours of first-year English courses as a prerequisite.

LING-3002(3) DISCOURSE ANALYSIS (Le3) In this course students are introduced to phasal analysis, as well as several other advanced forms of analyses that discourse analysts use in their explanation of spoken discourse. In addition, students read articles throughout the term written by many of the internationally renowned discourse analysts and relevant to the analyses they are learning.

PREREQUISITES: LING-3001(6) or ANTH-3405 or ENGL-3800 or permission of instructor in the absence of prerequisites.

LING-3006(3)/LING-4006(3) LANGUAGE TYPOLOGY (Le,S3) This course applies the basic concepts of Anthropological Linguistics to the analysis of the phonology, morphology, syntax, semantics, and pragmatics of various languages. The structure of these languages is compared and contrasted to explore typological patterns. Relations between the grammar and pragmatic features of the languages and are also explored. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: LING-2102 or ANTH-2400 or Permission of Instructor. All students registering at the 4000 level must have permission of the Program Coordinator. Students registering at the 4000 level with a GPA of less than 3.0 in Linguistics require the instructor's signature. It is recommended that students have taken 18 credit hours of Linguistics courses before registering for this course at either the 3000 or 4000 level.

CROSS-LISTED: ANTH-3400(3)/ANTH-4400(3)

RESTRICTIONS: Students may not get credit for this and ANTH-3400(3)/4400(3).

LING-3101(3) INSTITUTIONAL DISCOURSE (Le3) Students are introduced to issues involved in the research being done by linguists, text analysts, discourse analysts, and sociolinguists concerning various types of institutional discourse. They are required to carry out a research project on a register of their choice. Experimental investigations and contemporary research focus on medical, scientific, legal, business, financial, political, classroom, and media discourse.

PREREQUISITES: LING-2101(3) or ANTH-2406(3) or ENGL-2804(3)

Restriction: Students may not receive credit for this and ANTH-3407(3)

CROSS-LISTED: This course is crosslisted as ANTH-3407(3)

LING-3201(3) SPECIAL STUDIES (D) Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way. The course proposal follows guidelines of the professor's host department and receives approval from the Program Coordinator.

PREREQUISITES: Permission of the Instructor. It is recommended that students complete at least 18 credit hours of Linguistics courses before registering for LING-3201.

LING-3301(3) FRENCH LEXICOLOGY (Le3) This course focuses on the French lexicon, its forms and formation. Students learn to distinguish different structural types of words (e.g. acronyms, derivatives), to identify their basic components (e.g. prefixes, suffixes) and to recognize the mechanisms involved in their formation. Through the study of synonyms and antonyms, students explore the semantic relationships between words. The hierarchical structure of the lexicon is examined. Course work emphasizes practical strategies for vocabulary enrichment and mastery.

PREREQUISITES: 6 credit hours in 2000-level French Studies language courses, or permission of instructor.

RESTRICTIONS: This course may not be taken for credit by students with credit in FREN-3203(3).

CROSS-LISTED: FREN-3203(3)

LING-3302(3) FRENCH MORPHOLOGY AND SYNTAX (Le3) In this course, students acquire fundamental linguistic concepts through the analysis of modern French. The distributional properties of French morphemes and their syntactic and semantic roles are discussed. The structures of syntagms and sentences are analysed and described. Practical exercises allow students to apply the concepts presented.

PREREQUISITES: 6 credit hours in 2000-level French Studies language courses, or permission of instructor.

RESTRICTIONS: This course may not be taken for credit by students with credit in FREN-3204(3) or the former 20.3201(3).

CROSS-LISTED: FREN-3204(3)

LING-3401(3) GERMAN LEXICOLOGY (Le3) This course focuses on the German lexicon, its forms and formation. Students learn to distinguish different structural types of words (e.g. acronyms, derivatives), to identify their basic components (e.g. prefixes, suffixes) and to recognize the mechanisms involved in their formation. Through the study of synonyms and antonyms, students explore the semantic relationships between words. The hierarchical structure of the lexicon is examined. Course work emphasizes practical strategies for vocabulary enrichment and mastery.

PREREQUISITES: 12 credit hours in 2000 level German Studies, including GERM-2109(3), or permission of the instructor.

RESTRICTIONS: This course may not be taken for credit by students with credit in GERM-3403(3).

CROSS-LISTED: GERM-3403(3)

LING-4001(3) HISTORY OF LINGUISTICS (S3) In this course students explore the history of linguistics from Panini, Plato, and Aristotle before the common era, through the centuries until the nineteen sixties. Theorists considered may include Thrax, Priscian, Sweet, Jespersen, Humboldt, Malinowski, Bloomfield, Sapir, and Saussure.

PREREQUISITES: Permission of the Program Coordinator plus LING-3001(3) or ANTH-3405(3) or ENG-3800(3)/(6) or in the absence of these courses permission of Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

RESTRICTIONS: Students may not get credit for this course and ANTH-4403(3) or ENGL-4801(3).

CROSS-LISTED: ANTH-4403(3) and ENGL-4801(3)

LING-4002(3) CONTEMPORARY LINGUISTIC THEORY (S3)

In this course students explore several contemporary linguistic theories such as Gregory and Malcolm's communication linguistics; Halliday's systemic functional linguistics; Pike's tagmemics; Lamb's stratificational linguistics; and Chomsky's transformational generative grammar as well as its development in government binding theory. In addition certain theories are introduced which explore the relationship between linguistics, society and culture. Examples include pragmatics, sociolinguistics, the ethnography of communication, and linguistic anthropology.

PREREQUISITES: Permission of the Program Coordinator plus LING-3001(3) or ANTH-3405(3) or in the absence of these courses permission of Instructor.. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

RESTRICTIONS: Students may not get credit for this course and ENG-4800(3).

LING-4003(3) TOPICS IN LINGUISTICS (S3) This course offers upper level instruction in a variety of linguistically related topics. The specific focus of the course varies from year to year with instructor. It may, for instance, focus on the work of an important linguist, a particular linguistic theory, or advanced studies in areas of syntax, lexicography, phonology etc.

PREREQUISITES: Permission of the Program Coordinator plus a minimum 18 credit hours from LIST A and 12 credit hours from LIST B or in the absence of these courses permission of Instructor. Students registering in courses at the 4000, 4100 or 4200-level with a GPA of less than 3.0 in Linguistics require the signature of the instructor or designate.

LING-4004(3) HONOURS THESIS (D) In this course students engage in a summative investigation of a topic of their choice. They choose texts to analyze, undertake the analysis and apply relevant research methods, and research library databases as appropriate. They write an academic research paper, submit an abstract to the Student's Linguistic Colloquium, and finally revise their paper for presentation. Through the process, students meet with a supervising professor to determine primary objectives, establish a schedule of work and assignments, and evaluate all of the steps in the process.

PREREQUISITES: Permission of the Program Coordinator. Minimum 18 credit hours from LIST A and 12 credit hours from LIST B or in the absence of these courses permission of the Instructor. Students registering in courses at the 4000, 4100 or 4200-level with a GPA of less than 3.0 in Linguistics require the signature of the instructor or designate.

LING-4005(3) Semiotics and Structuralism (Le,S3)

This course provides a theoretical overview of semiotics (the study of signs and sign systems) and structuralism (a specific method of analyzing texts). Readings include selected works by Saussure, Peirce, Jakobson, Barthes, Derrida, Lévi-Strauss, and others. Special emphasis is given to Lévi-Strauss' structural analysis of myths. Through a variety of projects students learn how to apply Lévi-Strauss' method to segment related myths and other texts into discrete units of plot, organize these into concordances, and determine patterns of syntagmatic and paradigmatic association. The strengths and weaknesses of this method will also be discussed.

PREREQUISITES: Permission of the Program Coordinator and LING-2102(3) or ANTH-2400(3) or in the absence of these courses permission of the Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

RESTRICTIONS: Students may not receive credit for this course and the former ANTH-4103(3) or the current ANTH-4401(3)

CROSS-LISTED: ANTH-4401(3)

LING-4101(3) TOPICS IN LANGUAGE, CULTURE AND COMMUNICATION (S)

This course offers instruction in current issues related to the interrelationship between language, culture and communication. The specific focus of the course varies from year to year with instructor.

PREREQUISITES: Permission of the Program Coordinator and the Instructor, plus LING-2101(3) and LING-3001(6), or in the absence of these courses permission of Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

LING-4201(3) SPECIAL STUDIES I (D)

Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way, and only where the course proposal follows departmental guidelines and receives approval from the Program Coordinator.

PREREQUISITES: Permission of the Program Coordinator and the Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

LING-4202(6) SPECIAL STUDIES II (D)

Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way, and only where the course proposal follows departmental guidelines and receives approval from the Program Coordinator.

PREREQUISITES: Permission of the Program Coordinator and the Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

LING-4203(3) TUTORIAL APPRENTICESHIP (D) This course provides opportunities for experiencing and exploring learning and teaching strategies in designated university linguistics and culture courses. Students may assist by 1) offering individual support and instruction for students facing challenges with course material, 2) leading groups of advanced or remedial students within the class when appropriate, and 3) designing class materials including exercises and answer keys. Students meet regularly with the supervising professor in order to discuss and evaluate teaching strategies and materials.

PREREQUISITES: Permission of the Program Coordinator and the Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

LING-4204(3) RESEARCH APPRENTICESHIP (D) In this course students reflect on how research issues influence their study of linguistics and culture. Students meet with instructors who have similar research interests in one-to-one tutorials and seminars to discuss common research questions and practices. They may consider a range of issues, including various recording, transcribing and analyzing strategies for real data. They may also consider how the analysis of key periodicals, critical studies and professional associations define a particular research topic, and constrain how various research topics and explorations are communicated. The course supports the development of research skills for work in the field of Linguistics and Culture.

PREREQUISITES: Permission of the Program Coordinator and the Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

LING-4301(3) FRENCH LEXICOGRAPHY (Le3) This course addresses the theoretical and practical issues of dictionary design, compilation, and use. Through a chronological survey of French dictionaries, the different types of modern French dictionaries are analysed and compared (e.g. monolingual vs. bilingual, printed dictionaries vs. CD-ROMS). The macro- and microstructure of dictionaries (e.g. nomenclature, definitions, examples) are examined in detail. Practical exercises include special problems presented by lexicography in the Canadian context.

PREREQUISITES: Any of the following courses: FREN-3111(6), FREN-3202(3), FREN-3203(3) or FREN-3204(3) and permission of the French Department Chair.

CROSS-LISTED: FREN-4204(3)

LING-4302(3) SYNTAX OF MODERN FRENCH (Le3) This course provides an intensive study of modern French syntax. It includes an introduction to distributional categories; a functionalist investigation of word roles (e.g. caractérisation, complément interne) and verbal structures (e.g. diathèse); a detailed study of typical French forms (e.g. impersonal), functions (e.g. aspects) and tenses. It focuses on grammaticality and sentence analysis. Simple sentence types and complex subordinate clauses are examined, and transformational rules as they apply to the French language. Examples are drawn from literary and non-literary sources. Course work combines sentence comprehension, syntactic description and regular exercises in sentence production.

PREREQUISITES: FREN-2109(3), a minimum of one 3-credit hour language course in French Studies at the 3000-level and permission of the French Department Chair.

CROSS-LISTED: FREN-4112(3)

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in a topic. Students who successfully complete any experimental course receive credit as indicated.

LING-3102(3)/LING-4102(3) COMPARATIVE INDO-EUROPEAN LINGUISTICS AND MYTHOLOGY (S3) This course proposes an integrated overview of Indo-European tradition based on comparative linguistics, mythology, archaeology, social structure and religion. A survey of Indo-European languages, ancient and modern, including their relationships, writing systems, and sociolinguistic context, is followed by an examination of problems in analysis and reconstruction of Indo-European proto-language and proto-culture. The course further explores major Indo-European mythological and poetic traditions, and possible reconstruction of their common sources. It also examines belief systems, literary continuations of mythopoetic material, archeological evidence and historiographic records. Additional in-depth work is required to receive credit at the 4100 level.

PREREQUISITES: Permission of the Program Coordinator. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

CROSS-LISTED: ANTH-3406(3)/ANTH-4406(3).

MATHEMATICS (MATH)

Updated February 2013

Note: The department/program code MATH replaces the former codes 32. Students cannot hold credit in MATH-xxxx and the former 32.xxxx having the same course number (e.g., MATH-1101(6) and 32.1101(6)).

Co-Chairs: O.R. Oellermann, T. Visentin; **Professors:** J. Currie, V. Linek, O.R. Oellermann, T. Visentin; **Associate Professors:** J. Babb, A. Stokke, R. Stokke; **Assistant Professor:** S. Gosselin, N. Rampersad; **Instructor:** B. Bector.

DEGREES/PROGRAMS OFFERED

3-Year BA

3-Year BSc

3-Year BSc (Business Stream)

4-Year BA

4-Year BSc

4-Year BSc (Business Stream)

BSc Honours

Minor

INTRODUCTION

Mathematics is the supreme intellectual achievement and the most original creation of the human spirit - Morris Kline.

Mathematics is the Queen and servant of the Sciences - Karl Friedrich Gauss.

Mathematics is just more and more complicated ways of saying 'Pigs is pigs' - Bertrand Russell.

The scope of Mathematics ranges from Computer Science to Philosophy, from Physics to Finance. Mathematics emphasizes precision and logic, but also creativity and problem solving. Students heading for Law or Medicine are well-served by a first degree in Mathematics. Other graduates move into the financial sector or high technology. Some graduates choose to go on to advanced degrees, not only in Mathematics, but also in Statistics, Computer Science, Meteorology or Physics.

The department offers 3-Year and 4-Year BA and BSc degrees, and the Honours BSc. Students pursuing a 3-year or 4-year BSc also have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. See the "Science with a Business Stream" section of this Course Calendar.

The Mathematics department features one of the highest levels of research activity in the University, and offers students a unique glimpse into the ongoing creation of Mathematics.

REQUIREMENTS FOR A 3-YEAR BA/BSc IN MATHEMATICS

ADMISSION REQUIREMENT

Students must consult with the Department Advisor/Honours Advisor in planning their program.

Students who have not obtained a grade of at least C in **MATH-1103(3)** Introduction to Calculus I AND **MATH-1104(3)** Introduction to Calculus II or the equivalent **MATH-1101(6)** Introduction to Calculus are advised not to proceed in a Mathematics major.

GRADUATION REQUIREMENT

90 credit hours

RESIDENCE REQUIREMENT

Degree:

Minimum 30 credit hours.

Major:

Minimum 18 credit hours.

GENERAL DEGREE REQUIREMENT

Humanities:

12 credit hours in Humanities

Writing:

Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses:

Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution:

Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major

Minimum 36 credit hours/Maximum 54 credit hours.

Double Major

Minimum 36 credit hours in Mathematics and specified number of credit hours in the other department/program.

Required courses:

MATH-1103(3) Introduction to Calculus I and **MATH-1104(3)** Introduction to Calculus II or the equivalent **MATH-1101(6)** Introduction to Calculus

MATH-1401(3) Discrete Mathematics

MATH-2105(3) and MATH-2106(3) or the former **MATH-2101(6)** Intermediate Calculus

MATH-1201(3) and MATH-2203(3) or the former **MATH-2201(6)** Linear Algebra

Minimum six (6) credit hours at the 3000 level.

Combined Major:

Minimum 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject.

Prescribed courses:

To be determined in consultation with the Department

Students who have not obtained a grade of at least C in **MATH-1103(3)** Introduction to Calculus I and **MATH-1104(3)** Introduction to Calculus II or the equivalent **MATH-1101(6)** Introduction to Calculus are advised not to proceed in a Mathematics major.

Students intending to major in Mathematics are strongly advised to take **MATH-1401(3)** Discrete Mathematics in their first year. It is a prerequisite for most second and third year courses in Mathematics.

Students majoring in Mathematics are strongly advised to take both **MATH-2105(3)** Intermediate Calculus I and **MATH-2106(3)** Intermediate Calculus II and **MATH-2203(3)** Linear Algebra II by the end of their second year, since several third year courses have these as prerequisites.

Students are encouraged to take more than 36 credit hours in Mathematics.

Students planning to go on to graduate studies are advised to consult with the Department before choosing second year courses.

REQUIREMENTS FOR THE 3-YEAR BSc IN MATHEMATICS WITH A BUSINESS STREAM

Students must complete the requirements of the 3-year BSc in Mathematics degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR THE 4-YEAR BA/BSc IN MATHEMATICS

ADMISSION REQUIREMENT 36 credit hours previously completed towards a BA/BSc in Mathematics.
Students must consult with the Department Chair/Honours Advisor in planning their program.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT Degree: 60 credit hours
Major: 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Sciences (BA only): 12 credit hours
Writing: 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single: Minimum 48 credit hours/Maximum 72 credit hours.
Double Major: Minimum 48 credit hours in each Major as specified by the department/program.
Cognate (BA only): Minimum 18 credit hours/Maximum 36 credit hours.
Consult the Department for acceptable cognate courses.
Maximum Major and Cognate Courses: 84 credit hours combined.

Required courses:

MATH-1103(3)	Introduction to Calculus I and MATH-1104(3) Introduction to Calculus II or the equivalent MATH-1101(6) Introduction to Calculus
MATH-1401(3)	Discrete Mathematics
MATH-2105(3)	Intermediate Calculus I or the former MATH-2101(6) Intermediate Calculus
MATH-2106(3)	Intermediate Calculus II or the former MATH-2101 (6) Intermediate Calculus
MATH-1201(3)	Linear Algebra I or the former MATH-2201(6) Linear Algebra
MATH-2203(3)	Linear Algebra II or the former MATH-2201(6) Linear Algebra
MATH-3101(6)	Advanced Calculus & Analysis
MATH-3202(3)	Group Theory
MATH-4101(3)	Complex Analysis
MATH-4202(3)	Rings and Fields

Students who have not obtained a grade of at least C in **MATH-1103(3)** Introduction to Calculus I and **MATH-1104(3)** Introduction to Calculus II or the equivalent **MATH-1101(6)** Introduction to Calculus are advised not to proceed in a Mathematics major.

Students intending to major in Mathematics are strongly advised to take **MATH-1401(3)** Discrete Mathematics in their first year. It is a prerequisite for most second and third year courses in Mathematics.

Students majoring in Mathematics are strongly advised to take both **MATH-2105(3)** Intermediate Calculus I and **MATH-2106(3)** Intermediate Calculus II and **MATH-2203(3)** Linear Algebra II by the end of their second year, since several third year courses have these as prerequisites.

Students planning to go on to graduate studies are advised to consult with the Department before choosing second year courses.

Combined Major: Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.

Prescribed courses: To be determined in consultation with the Department.

REQUIREMENTS FOR THE 4-YEAR BSc IN MATHEMATICS WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Mathematics degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR AN HONOURS BSc IN MATHEMATICS

ADMISSION REQUIREMENT	60 credit hours previously completed in a BA or BSc of which at least 21 credit hours are in Mathematics. Students must consult with the Department Chair/Honours Advisor in planning their program.
GRADUATION REQUIREMENT Graduation GPA Requirement:	120 credit hours To graduate with a BSc Honours, students must have a minimum GPA of 3.0 in all Honours subject courses which will be calculated on all course attempts and a 2.75 GPA in all Non-Honours courses which will be calculated as for the general degree (i.e., F's are not included and, in the case of repeated courses, only the highest grade will be used).
RESIDENCE REQUIREMENT	Minimum 60 credit hours. Minimum 30 credit hours, including minimum 18 credit hours in upper level courses 3000/4000) of which a minimum of 9 credit hours are at the 4000 level.
GENERAL DEGREE REQUIREMENT Humanities: Writing: Maximum Introductory Courses: Distribution:	12 credit hours Minimum 3 credit hours of Academic Writing. Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. Minimum three (3) credit hours from each of five (5) different subjects.
HONOURS SUBJECT REQUIREMENT Single Honours: Required courses:	Minimum 66 credit hours/Maximum 72 credit hours in the Honours subject. Minimum 30 credit hours in upper-level courses (3000/4000) of which a minimum of 12 credit hours must be at the 4000 level not including MATH-4402(3) and not including courses that are cross-listed with Statistics.
MATH-1103(3) MATH-1401(3) MATH-2105(3) MATH-2106(3) MATH-1201(3) MATH-2203(3) MATH-3101(6) MATH-3202(3) MATH-4101(3) MATH-4202(3)	Introduction to Calculus I and MATH-1104(3) Introduction to Calculus II or the equivalent MATH-1101(6) Introduction to Calculus Discrete Mathematics Intermediate Calculus I or the former MATH 2101(6) Intermediate Calculus Intermediate Calculus II or the former MATH 2101(6) Linear Algebra I or the former MATH-2201(6) Linear Algebra Linear Algebra II or the former MATH-2201(6) Linear Algebra Advanced Calculus & Analysis Group Theory Complex Analysis Rings and Fields

Students who have not obtained a grade of at least C in **MATH-1103(3)** Introduction to Calculus I and **MATH-1104(3)** Introduction to Calculus II or the equivalent **MATH-1101(6)** Introduction to Calculus are advised not to proceed in a Mathematics major. Students intending to major in Mathematics are strongly advised to take **MATH-1401(3)** Discrete Mathematics in their first year. It is a prerequisite for most second and third year courses in Mathematics. Students majoring in Mathematics are strongly advised to take both **MATH-2105(3)** Intermediate Calculus I and **MATH-2106(3)** Intermediate Calculus II and **MATH-2203(3)** Linear Algebra II by the end of their second year, since several third year courses have these as prerequisites. Students planning to go on to graduate studies are advised to consult with the Department before choosing second year courses.

REQUIREMENTS FOR A MINOR IN MATHEMATICS

Degree:	Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	MATH-1103 (3) Introduction to Calculus I and MATH-1104 (3) Introduction to Calculus II or, the equivalent, MATH-1101 (6) Introduction to Calculus. Any 12 credit hours at the 2000 level, or higher, may be chosen from math courses that are not listed in the "Restrictions" section below. Note: Most upper-level math courses require MATH-1201 (3), Linear Algebra I, and/or MATH-1401 (3), Discrete Mathematics, as prerequisites. Students wishing to obtain a minor in mathematics are therefore encouraged to take one or both of these courses early on in their program.
Restrictions:	MATH-2902 (3) Mathematics Prior to 1640, MATH-2903 (3) Mathematics for Early/Middle Years Teachers,

MATH/PHIL 2901 (3) History of Calculus, MATH/PHIL-2305(3) Philosophy and Mathematics may not be used towards the minor requirement for mathematics.
Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Prerequisites

Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

Degree Credit for Introductory Courses

Students are reminded that a maximum of 6 credit hours at the 0000-level may be counted towards the degree. Credit towards the degree will not be granted for both **MATH-1201(3)** Linear Algebra I and the former **MATH-2201(6)** Linear Algebra or both **MATH-2203(3)** Linear Algebra II and the former **MATH-2201(6)** Linear Algebra. Credit towards the degree will not be granted for both **MATH-1102(3)** Basic Calculus (Terminal), **MATH-1103(3)** Introduction to Calculus I and **MATH-1104(3)** Introduction to Calculus II, or the equivalent **MATH-1101(6)** Introduction to Calculus

COURSE LISTINGS

Courses are listed in numerical sequence: Students are advised to consult WebAdvisor or the appropriate Timetable on the website for courses to be offered during the current term, as certain courses may not be available in each term. Students are advised to ensure that currently listed courses do not duplicate material studied previously under different course numbers.

MATH-0041(0)	Mathematics Access I	MATH-3202(3)	Group Theory
MATH-0042(0)	Mathematics Access II	MATH-3203(3)	Linear Algebra III
MATH-1101(6)	Introduction to Calculus	MATH-3401(3)	Graph Theory
MATH-1102(3)	Basic Calculus (Terminal)	MATH-3402(3)	Combinatorics
MATH-1103(3)	Introduction to Calculus I	MATH-3403(3)	Mathematical Logic
MATH-1104(3)	Introduction to Calculus II	MATH/STAT-3412(3)	Introduction to Operations Research
MATH-1201(3)	Linear Algebra I	MATH/STAT-3611(3)	Mathematical Statistics I
MATH-1401(3)	Discrete Mathematics	MATH/STAT-3612(3)	Mathematical Statistics II
MATH-2102(3)	Differential Equations I	MATH-3701(3)	Numerical Methods
MATH-2103(3)	Differential Equations II	MATH-3703(6)	Mathematical Modelling
MATH-2105(3)	Intermediate Calculus I	MATH-4001(6)	Directed Readings in Mathematics
MATH-2106(3)	Intermediate Calculus II	MATH-4003(3)	Topics in Mathematics
MATH-2202(3)	Applied Algebra	MATH-4004(3)	Directed Readings in Mathematics
MATH-2203(3)	Linear Algebra II	MATH-4101(3)	Complex Analysis
MATH/PHIL-2305(3)	Philosophy and Mathematics	MATH-4202(3)	Rings and Fields
MATH-2501(3)	Introduction to Number Theory	MATH-4401(3)	Advanced Graph Theory and Combinatorial Optimization
MATH-2701(3)	Linear Optimization	MATH-4402(3)	Networks and Their Applications
MATH-2803(3)	Scientific Computing For Mathematics	MATH-4403(3)	Set Theory
MATH/PHIL-2901(3)	History of Calculus	MATH-4601(3)	Introduction to Topology and Analysis
MATH-2902(3)	Mathematics Prior to 1640	MATH-4602(3)	Real Analysis
MATH-2903(3)	Mathematics for Early/Middle Years Teachers	MATH-4603(3)	Topology
MATH-3101(6)	Advanced Calculus and Analysis		
MATH-3103(3)	Methods in Advanced Calculus		

COURSE DESCRIPTIONS

MATH-0041(0) Mathematics Access I (Le3, La4.5) This course covers mathematics from school math courses. Topics include the real number system, integer and fraction arithmetic, exponents and radicals, polynomial arithmetic and algebraic expressions, rational expressions, equation solving techniques, coordinate geometry, lines, functions, and geometry of right-angled triangles. This course can be used in lieu of an Applied Math 40S prerequisite for MATH-2903 only. It cannot be used in lieu of an Applied Math 40S prerequisite for any other course. This course may be audited by students who have passed Applied Math 40S, Pre-Calculus 30S or Pre-Calculus 40S. Note: This is a non-credit course offered over 12 weeks.
PREREQUISITE: Grade 10 Pre-Calculus 20S, Grade 11 Pre-Calculus 30S, or Grade 11 Applied Mathematics or permission of department.
RESTRICTIONS: Students who are registered in high school may not register in this course.

MATH-0042(0) Mathematics Access II (Le3, La4.5) This course covers mathematics from high school pre-calculus courses. Topics include the binomial theorem, fractional equations, factorization of polynomials, the Fundamental Theorem of Algebra, synthetic division, complex numbers, inequalities, relations and functions, exponential and logarithmic functions, circular functions, trigonometry and sequences and series. This course can be used in lieu of Pre-Calculus 40S Mathematics for all university prerequisites. This course may be audited by students who have passed Pre-Calculus 40S. Note: This is a non-credit course offered over 12 weeks.
PREREQUISITES: A minimum grade of 65% in Pre-Calculus 30S or MATH-0041 or permission of the department.
RESTRICTIONS: Students who are registered in high school may not register in this course.

MATH-1101(6) INTRODUCTION TO CALCULUS (Le3, La2) This course covers calculus of a function of one variable. Topics covered include limits, continuity, differentiation and integration of elementary functions (algebraic, exponential, logarithmic, trigonometric and inverse trigonometric), indeterminate forms and l'Hospital's Rule, and improper integrals. Applications covered include maximization and minimization problems, related rates, curve sketching, area, volume, and arc length. A grade of at least C in this course is required to take MATH-2105(3). The material covered in this course is equivalent to the combined material from MATH-1103(3) Introduction to Calculus I and MATH-1104(3) Introduction to Calculus II.

PREREQUISITES: Pre-Calculus Mathematics 40S, MATH-0042 or the former MATH-0040 or permission of the instructor or Department Chair.

NOTE: A grade of at least C in this course is required to take MATH-2105(3).

RESTRICTIONS: A student may not receive credit for MATH-1101 (6), and any of the following: MATH-1102 (3), MATH-1103(3) or MATH-1104(3).

NOTE: Students who have not obtained a minimum grade of 60% in Pre-Calculus 40S are strongly advised to take MATH-0042 Mathematics Access II prior to registering in MATH-1101(6).

MATH-1102(3) BASIC CALCULUS (TERMINAL) (Le3, La2) This course covers a portion of the calculus of a function of one variable. Topics covered include: limits, continuity, differentiation and integration of elementary functions (algebraic, exponential, and logarithmic). Applications covered include: maximizing and minimizing problems, curve sketching, and area.

PREREQUISITES: Pre-Calculus Mathematics 40S, Applied Mathematics 40S, MATH-0042 or the former MATH-0040.

RESTRICTIONS: A student may not receive credit for MATH-1102 (3) and any of the following: MATH-1101 (6), MATH-1103(3) OR MATH-1104(3).

NOTE: Students intending to take senior courses in Mathematics, Statistics, Physics, Chemistry, or similar scientific and technical areas should not take MATH-1102 (which is a terminal course). Such students should take MATH-1101 (6) or both MATH-1103(3) AND MATH-1104(3).

MATH-1103(3) INTRODUCTION TO CALCULUS I (Le3, La 1.5) This course covers differential calculus of a function of one variable. Topics include: limits, continuity, and the differentiation of algebraic, trigonometric, inverse trigonometric, exponential and logarithmic functions. Applications include curve sketching, optimization problems, and related rate problems. The combined material from MATH-1103(3) Introduction to Calculus I and MATH-1104(3) Introduction to Calculus II is equivalent to MATH-1101 (6) Introduction to Calculus.

PREREQUISITE: Pre-Calculus Mathematics 40S, MATH-0042 or the former MATH-0040 or permission of the instructor or Department Chair.

RESTRICTIONS: A student may not receive credit for more than one of MATH-1101 (6), MATH-1102 (3), or MATH-1103(3).

NOTE: Students who have not obtained a minimum grade of 60% in Pre-Calculus 40S are strongly advised to take MATH-0042 Mathematics Access II prior to registering in MATH-1103(3).

MATH-1104(3) INTRODUCTION TO CALCULUS II (Le3, La1.5) This course covers single variable integral calculus. Topics include: definite and indefinite integrals, the natural logarithm defined as an integral, L'Hôpital's rule, techniques of integration, and improper integrals. Applications covered include areas between curves, volumes of solids of revolution, and arc length of a curve. The combined material from MATH-1103(3) Introduction to Calculus I and MATH-

1104(3) Introduction to Calculus II is equivalent to MATH-1101 (6) Introduction to Calculus.

PREREQUISITE: Minimum grade of C in MATH-1103(3) or permission of instructor or Department Chair.

RESTRICTIONS: A student may not receive credit for more than one of MATH-1101 (6), MATH-1102 (3), or MATH-1104(3).

MATH-1201(3) LINEAR ALGEBRA I (Le3) This is an introduction to fundamental results concerning systems of linear equations, matrices, determinants, properties of complex numbers, vector geometry, and vector space properties of n-dimensional Euclidean space.

PREREQUISITE: Pre-Calculus Mathematics 40S or Applied Mathematics 40S, MATH-0042 or the former MATH-0040.

RESTRICTIONS: A student may not receive credit for both MATH-1201(3) and the former MATH-2201(6).

MATH-1401(3) DISCRETE MATHEMATICS (Le3, La1.5) This course covers logic (simple and compound statements, truth tables, logical equivalence, quantifiers); proof methods (direct, contrapositive, contradiction); elementary set theory (subsets, unions, intersections, set difference, power sets, Cartesian products); basic number theory (divisibility, the division algorithm, and Euclidean algorithm); mathematical induction; relations (binary, equivalence -- including congruence modulo n, partial orders); functions (well-defined, one-to-one, onto, bijective, compositions, inverses, images and inverse images of sets); counting (inclusion-exclusion principle, addition and multiplication principles, pigeonhole principle, permutations, combinations, the binomial theorem). This course is intended for students planning to major in Mathematics.

PREREQUISITE: One of Pre-Calculus Mathematics 40S, Applied Mathematics 40S, MATH-0042 or the former MATH-0040.

MATH-2102(3) DIFFERENTIAL EQUATIONS I (Le3) This is an introduction to differential equations including the following topics: solution of first order equations, reduction techniques, and solution of nth order linear differential equations. Most applications considered will be from Physics. Students who have already completed MATH-1201(3) or the former MATH-2201(6) should inform registration staff that they have standing in one of the corequisite courses

PREREQUISITE: MATH-1101(6) or both MATH-1103(3) AND MATH-1104(3).

COREQUISITES: MATH-1201(3) or the former MATH-2201(6).

MATH-2103(3) DIFFERENTIAL EQUATIONS II (Le3) This course covers further concepts and methods of solving differential equations. The contents include: Laplace transform method, power series solutions (methods of Frobenius), matrix methods for systems of linear differential equations, and an introduction to partial differential equations including the method of separation of variables.

PREREQUISITE: MATH-2102(3).

COREQUISITES: MATH-2106(3) or the former MATH-2101(6), plus one of MATH-2203(3) (formerly MATH-2221(3)) or the former MATH-2201(6).

RESTRICTIONS: A student may not receive credit for both MATH-2103(3) and the former MATH-2112(3).

MATH-2105(3) INTERMEDIATE CALCULUS I (Le3) Topics covered are selected from the following list: Formal definition of a limit, limit theorems, sequences, infinite series (convergence tests, power series, Taylor's theorem), parametric equations, polar coordinates. Students who have already completed MATH-1201(3) or the former MATH-2201(6) should inform registration staff that

they have standing in one of the corequisite courses.
PREREQUISITE: A grade of at least C in MATH-1101(6) or in both MATH-1103(3) AND MATH-1104(3).

COREQUISITES: MATH-1201(3) or the former MATH-2201(6).

NOTE: Mathematics majors are strongly advised to take MATH-2105(3) in their second year of studies.

RESTRICTIONS: A student may not receive credit for both MATH-2105(3) and the former MATH-2101(6).

MATH-2106(3) INTERMEDIATE CALCULUS II (Le3)

Topics covered are selected from the following list:
Multivariable functions: limits and continuity, partial derivatives, gradient, extrema, Lagrange Multipliers;
Multiple integrals: double and triple integrals, applications, change of variable, cylindrical and spherical coordinates, Jacobians; vector functions and vector calculus.

PREREQUISITE: MATH-2105(3) and MATH-1201(3) or the former MATH-2201(6)

RESTRICTIONS: A student may not receive credit for both MATH-2106(3) and the former MATH-2101(6).

Note: Mathematics majors are strongly advised to take MATH-2106(3) in their second year of studies.

MATH-2202(3) APPLIED ALGEBRA (Le3) This course will introduce students to modern applications of algebraic structures. It begins with a study of the fundamental properties of finite fields and their relationship with geometry. The course continues by studying such applications as error-correcting codes, cryptography, design of experiments and fast arithmetic.

PREREQUISITES: MATH-1201(3) and MATH-1401(3) or permission of instructor.

RESTRICTIONS: A student may not receive credit for both MATH-2202(3) and the former MATH-2301(3).

MATH-2203(3) LINEAR ALGEBRA II (Le3) This course covers finite dimensional vector spaces; linear transformations and matrices; change of bases; eigenvalues and eigenvectors and diagonalization.

PREREQUISITES: MATH-1201(3) and MATH-1101(6) or both MATH-1103(3) AND MATH-1104(3).

RESTRICTIONS: A student may not receive credit for both this course and the former MATH-2201(6) or the former MATH-2221(3).

MATH-2305(3) PHILOSOPHY AND MATHEMATICS (Le3)

Historically, philosophers have been intrigued by mathematics. Some philosophers, such as Pythagoras, Descartes and Frege, have made fundamental contributions to mathematics while mathematicians and physicists such as Heisenberg, Einstein and Hawking have noticed that contemporary aspects of their disciplines have raised ancient philosophical questions anew. Are mathematical proofs "certain"? Is mathematics independent of empirical experience? Can mathematics be reduced to logic? Does mathematics describe reality? This course examines such questions and the answers offered in the history of philosophy.

CROSS-LISTED: Philosophy PHIL-2305(3).

NOTE: This course may NOT be used to fulfil the Science Requirement.

MATH-2501(3) INTRODUCTION TO NUMBER THEORY (Le3)

This course explores properties of integers, linear Diophantine equations, Fermat's Theorem, congruences, and quadratic residues.

PREREQUISITES: MATH-1401(3) and an additional 3 credit hour or 6 credit hour course in Mathematics at the 1000 level or above.

MATH-2701(3) LINEAR OPTIMIZATION (Le3) Topics for this course are selected from the Simplex algorithm, game

theory, sensitivity analysis, duality theory, and efficient implementations of Simplex.

PREREQUISITES: MATH-2203(3) (formerly MATH-2221(3)), the former MATH-2201(6) or permission of instructor.

RESTRICTIONS: A student may not receive credit for this course and the former MATH-4702(3) or MATH-4702(6).

MATH-2803(3) SCIENTIFIC COMPUTING FOR

MATHEMATICS (Le3, La2) This course is an introduction to some of the many aspects of computers, from the design and implementation of computer hardware, machine language, compiler and language theory to the design, analysis, and implementation of algorithms. The course can be an introduction to computer programming (through a specific programming language such as C or C++) with focus on algorithms of importance to mathematics, e.g. numerical algorithms from Calculus such as Newton-Raphson, Simpson's rule, and numerical linear algebra. The course may also introduce students to specialized mathematical applications, e.g. MAPLE. Other topics may be covered at the discretion of the instructor.

PREREQUISITES: MATH-1201 (3) and either MATH-1101 (6), MATH-1102 (3) or MATH-1104(3).

MATH-2901(3) HISTORY OF CALCULUS (Le3) This course gives an overview of the main ideas of Calculus, together with their historical development. It will investigate issues such as the definition of Calculus; how and when it developed; what problems inspired its creation; and how it changed the way mathematicians and others think about mathematical knowledge. Readings of original sources in English translation may range from Babylonian mathematical tablets, through Euclid and the Greeks, past Galileo, Leibniz and Newton, to Cauchy, Riemann and Robinson.

PREREQUISITES: Pre-Calculus Mathematics 40S, Applied Mathematics 40S, MATH-0042 or the former MATH-0040.

RESTRICTIONS: Education students in the Early, Early/Middle and/or Middle Years Streams cannot use this course to satisfy the math distribution requirement unless they have also received credit for an additional Mathematics course at the 1000 level or higher, excluding MATH-2902(3). For all other students, this course can be used to fulfil either the Science Requirement or the Humanities Requirement.

CROSS-LISTED: Philosophy PHIL-2901(3).

NOTE: This course can be used to fulfil either the Science Requirement or the Humanities Requirement.

MATH-2902(3) MATHEMATICS PRIOR TO 1640 (Le3)

This course examines selected topics in mathematics and traces their development in the Old World prior to 1640. It focuses on the theory and methodologies of algebra, number theory, trigonometry, and combinatorics. As well, the course reviews geometry and number systems. Students are expected to solve problems and prove certain theorems.

PREREQUISITES: Consumer Mathematics 40S, Pre-Calculus Mathematics 40S, Applied Mathematics 40S, MATH-0042 or the former MATH-0040.

MATH-2903(3) MATHEMATICS FOR EARLY/MIDDLE

YEARS TEACHERS (Le3, La2) This course is for students planning to become elementary teachers who wish to gain a more thorough understanding of the mathematics underpinning many of the topics taught in the K-8 curriculum. Topics include discrete mathematics (logic, sets, proof techniques), number theory (numeration systems, Euclidean algorithm, prime factorization), Euclidean geometry (Euclid's axioms, congruence, Pythagorean Theorem) and combinatorics (counting and probability, Pascal's triangle).

PREREQUISITES: At least one of Pre-Calculus Mathematics 40S or MATH-0042 or the former MATH-0040 or a grade of 65% or higher in Applied Mathematics 40S or a grade of

65% or higher in MATH-0041.

RESTRICTIONS: This course may not be used towards the major or minor requirement for a degree in Mathematics. Students who are not registered in the Faculty of Education may not register in this course.

MATH-3101(6) ADVANCED CALCULUS AND ANALYSIS

(Le3) This course studies construction of the reals, uniform convergence and sup-norms, Stone-Weierstrass theorem, theory of integration, Fourier analysis, line and surface integrals, Green's, Gauss' and Stoke's theorems.

PREREQUISITE: MATH-1401(3), MATH-2106(3) (or the former MATH-2101(6)), and MATH-2203(3) (or the former MATH-2201(6) or MATH-2221(3)).

MATH-3103(3) METHODS IN ADVANCED CALCULUS

(Le3) This course covers methods and applications of advanced calculus. Topics are chosen from: differentiation and integration of vector valued functions; arc length and speed; curvature and general motion in 3-dimensional space; vector fields, line integrals and surface integrals; the fundamental theorems of vector analysis (Green's Theorem, Stokes' Theorem, and the Divergence Theorem); Fourier series and other topics in harmonic analysis

PREREQUISITE: MATH-2106(3) or the former MATH-2101(6)

MATH-3202(3) GROUP THEORY (Le3)

This course studies symmetry groups of regular polygons and Platonic solids, permutations and permutation groups; abstract groups, Cosets, Homomorphisms, Subgroups, Normal subgroups and quotient groups; isomorphism theorems, Sylow theorems, classification of finitely generated Abelian groups; group actions and counting with Burnside's lemma.

PREREQUISITES: MATH-1401(3) and MATH-2203(3) or the former MATH-2221(3) or the former MATH-2201(6)

RESTRICTIONS: A student may not receive credit for this course and MATH-4201(6) or the former MATH-3201(6).

MATH-3203(3) LINEAR ALGEBRA III (Le3) This course introduces students to inner product spaces; properties of Hermitian and normal matrices; unitary matrices; factorization theorems; Schur's Theorem; the Spectral Theorem; the Cayley-Hamilton Theorem; and quadratic forms. At the discretion of the instructor, other advanced topics in linear algebra may be covered.

PREREQUISITES: MATH-1401(3) and MATH-2203(3) or the former MATH-2201(6)

MATH-3401(3) GRAPH THEORY (Le3) This course includes the following topics: graph isomorphism, shortest path problem, Euler tours, trees, graph colourings and bipartite matchings.

PREREQUISITES: MATH-1401(3) or permission of instructor.

RESTRICTIONS: A student may not receive credit for this course and the former MATH-2011(3).

MATH-3402(3) COMBINATORICS (Le3) This course includes the following topics: generating functions and recurrence relations, the principle of inclusion and exclusion, symmetric groups, finite fields, and combinatorial designs.

PREREQUISITES: MATH-1401(3) plus one of MATH-1101(6), MATH-1102(3), MATH-1103(3) or MATH-1104(3).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-2022(3).

MATH-3403(3) MATHEMATICAL LOGIC (Le3) This course introduces the student to mathematical logic. Course topics include propositional calculus, first order logic, completeness, compactness, decidability, Gödel's Incompleteness theorem and models.

PREREQUISITES: MATH-1401(3) plus one of MATH-3401(3) (formerly MATH-2011(3)), MATH-3402(3) (formerly MATH-

2022(3)), MATH-2203(3) (formerly MATH-2221(3)), the former MATH-2201(6), or MATH-2501(3).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3401(3).

MATH-3412(3) INTRODUCTION TO OPERATIONS RESEARCH (Le3)

This course provides a practical introduction to the formulation and solution of some economics and industrial problems using Operations Research models. It emphasizes model-building and problem-solving using computer packages. Topics covered are chosen from linear programming, transportation, assignment and transshipment problems, network models, integer programming, nonlinear programming, decision making, inventory models, and queuing theory.

PREREQUISITES: MATH-1201(3), the former MATH-2201(6) or ECON-3201(3), or permission of instructor.

CROSS-LISTED: Statistics STAT-3412(3)

MATH-3611(3) MATHEMATICAL STATISTICS I (Le3) The course provides students with a firm foundation in probability theory, which is necessary for a complete understanding of any advanced statistics. Topics include counting, joint and conditional distributions, random variables, and special distributions.

PREREQUISITES: STAT-1301(3) and STAT-1302(3) or the former STAT-1201(6), or both STAT-1501(3) and STAT-1601(3) or STAT-2001(3), and MATH-2106(3) or the former MATH-2101(6).

RESTRICTIONS: A student may not receive credit for this course and the former STAT-2701(3) or the former STAT-3201(3).

CROSS-LISTED: Statistics STAT-3611(3).

MATH-3612(3) MATHEMATICAL STATISTICS II (Le3)

In this course students study the continuous probability distributions and their general properties, distributions of functions of random variables, sampling distributions, including t and F , and an introduction to estimation and theory of hypotheses testing.

PREREQUISITES: MATH/STAT-3611(3) (formerly STAT-3201(3)) (or the former STAT-2701(3)).

RESTRICTIONS: A student may not receive credit for this course and the former STAT-3201(6) or STAT-3202(3).

CROSS-LISTED: Statistics STAT-3612(3).

MATH-3701(3) NUMERICAL METHODS (Le3, LaV)

Methods for finding roots of functions, numerical differentiation and numerical integration, interpolation and polynomial approximation, solving systems of equations, and solving the initial value problem in ordinary differential equations are studied in this course. Computer programming is used to implement the relevant numerical algorithms.

PREREQUISITES: MATH-2102(3) and MATH-2106(3) or the former MATH-2101(6) and either MATH-1201(3) or MATH-2203(3) for the former MATH-2201(6).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3701(6).

MATH-3703(3) MATHEMATICAL MODELLING (Le3)

A variety of deterministic models are studied using techniques from calculus, linear algebra, and differential equations. Models are selected from the following areas: physical sciences, life sciences, social sciences, and management sciences

PREREQUISITES: MATH-2106(3) or the former MATH-2101(6), MATH-2203(3) (formerly MATH-2221(3)) or the former MATH-2201(6), and MATH-2103(3) (formerly MATH-2112(3)).

MATH-4001(6) DIRECTED READINGS IN MATHEMATICS

(D) This is a reading course available only to students in their third or fourth year. A topic is arranged by mutual

written agreement between the student and a Supervisor. The student is required to meet the Supervisor weekly.
PREREQUISITES: A minimum GPA of 3.0 in all mathematics courses, at least one 3000-level course and written permission of the instructor and the Department Chair.

MATH-4003(3) TOPICS IN MATHEMATICS (Le3) This course covers an area in mathematics as selected by the instructor. Possible topics may be in algebraic combinatorics, functional analysis, Galois theory, representation theory, or advanced topics in combinatorics, graph theory, measure theory, or topology. Students should consult the instructor or the Department Chair for the current topic. This course may be repeated for credit when the topic varies.

PREREQUISITES: Permission of the instructor or the Department Chair.

MATH-4004(3) DIRECTED READINGS IN MATHEMATICS (D) This is a reading course available only to students in their third or fourth year. A topic is arranged by written agreement between the student and a Supervisor.
ADDITIONAL REQUIREMENTS: At least one 3000-level course in Mathematics. Written permission of the Instructor and Department Chair is required.

MATH-4101(3) COMPLEX ANALYSIS (Le3) This course studies construction of the complex numbers from the reals, Cauchy's theorems, Laurent Series, evaluating line integrals by means of residues, Cauchy-Riemann equations, conformal mapping, harmonic functions, Riemann sphere, Riemann surfaces, analytic continuation and monodromy theorem.

PREREQUISITES: MATH-2106(3) or the former MATH-2101(6) or permission of instructor.

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3102(3).

MATH-4202(3) RINGS AND FIELDS (Le3) This course is a study of field axioms, finite and infinite fields, integral domains, fraction fields, division rings, abstract rings, polynomial rings, PID's and UFD's, Galois Theory; solvability of cubic and quartic, unsolvability of the quintic and other classical mathematical problems.

PREREQUISITES: MATH-3202(3)

RESTRICTIONS: A student may not receive credit for this course and MATH-4201(6) and the former MATH-3201(6).

MATH-4401(3) ADVANCED GRAPH THEORY AND COMBINATORIAL OPTIMIZATION (Le3) Topics covered in this course will be chosen from trees, connectivity, graph colourings, optimal matchings, packings and coverings, planar graphs, extremal graph theory, Ramsey theory, ordered sets.

PREREQUISITE: MATH-3401(3) (formerly MATH-2011(3)).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3013(3).

MATH-4402(3) NETWORKS AND THEIR APPLICATIONS (Le3) This course will introduce the student to a variety of network problems with emphasis on algorithmic aspects of these topics. Topics covered will be chosen from algorithmic complexity, search techniques, trees, Steiner trees and distances in networks, PERT networks, network flows and their applications.

PREREQUISITE: MATH-3401(3) (formerly MATH-2011(3)).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3015(3).

MATH-4403(3) SET THEORY (Le3) This course introduces concepts of set theory essential to modern mathematics. Topics include axioms for sets, infinite sets, cardinality,

ordinal and cardinal numbers, and ordered sets.

PREREQUISITES: MATH-1401(3) plus one of MATH-3401(3) (formerly MATH-2011(3)), MATH-3402(3) (formerly MATH-2022(3)), MATH-2203(3) (formerly MATH-2221(3)), the former MATH-2201(6), or MATH-2501(3).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3402(3), the former MATH-3601(3), or the former MATH-2402(6).

MATH-4601(3) INTRODUCTION TO TOPOLOGY AND ANALYSIS (Le3) In this course the basic concepts of topology are studied in the setting of metric spaces: open sets, convergence, continuity, connectedness, compactness, and completeness. The emphasis will be on Euclidean spaces, normed linear spaces, and function spaces, where the concepts of topology apply to mathematical analysis. Connections with and applications to analysis will be emphasized throughout, such as the monotone convergence theorem, the intermediate value property, the Heine-Borel property, Baire category, uniform boundedness, and the fixed-point property for complete metric spaces.

PREREQUISITES: MATH-3101(6).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3232(3) or MATH-3601(3).

MATH-4602(3) REAL ANALYSIS (Le3) Topics covered in this course will include normed linear spaces, Banach spaces and L_p spaces, Lebesgue measure and integration. This course will also cover classical results such as the Stone-Weierstrass theorem and the Ascoli Theorem.

COREQUISITE: MATH-3101(6).

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3602(3).

MATH-4603(3) TOPOLOGY (Le3) This course is a study of topological spaces and their applications. Topics to be studied will include separation axioms, covering properties, product spaces, quotient spaces, filters, nets, convergence, compactness and connectedness.

COREQUISITE: MATH-3101(6)

RESTRICTIONS: A student may not receive credit for this course and the former MATH-3602(3).

MENNONITE STUDIES (MENN)

Updated February 12, 2013

Note: The department/program code MENN replaces the former code 33. Students cannot hold credit in MENN-xxxx and the former 33.xxxx having the same course number (e.g., MENN-1010(6) and 33.1010(6)).

Chair: Professor R. Loewen; Associate Professor: H. Werner.

The establishment of the Chair in Mennonite Studies was made possible through the generous gifts of Dr. David Friesen, Q.C., his family, and the Federal Department of the Secretary of State.

INTRODUCTION

The Chair in Mennonite Studies was established to give students an opportunity to study the rich heritage of the Mennonites and their contribution to society. Mennonite Studies is an Interdisciplinary Program, combining history, religion, culture, and literature as they relate to the Mennonites in the past and present. In the courses and seminars students seek to understand the once maligned and persecuted people, and consider the contributions they have made, and are making, to the development of the modern society, including religion, culture, literature, and art. The question of how the Mennonites seek to come to terms with the world around them is a major part of the Program's emphasis.

A major in Mennonite Studies, leading to a Bachelor's Degree, can be taken after consultation with the Chair in Mennonite Studies. Majors will take a variety of courses, including Mennonites Studies I and II, History of Peace and Nonviolence I and II, and a selection of more specialized 3rd year courses. Courses from other Departments can be counted towards the degree as electives if they contain significant research assignments on Mennonite issues.

A minor in Mennonite Studies is available to students pursuing a 4-year Bachelor's Degree. Those interested in completing a minor in Mennonite Studies should consult with the Chair in Mennonite Studies to plan their program of study. The Mennonite Studies Minor requires the completion of a minimum of 18 credit hours of courses in Mennonite Studies including Mennonites Studies I and II.

Students will find courses in Mennonite Studies an inspiring and informative addition to a liberal arts education. A Major or Minor in Mennonites Studies, or courses in Mennonite Studies, will be relevant to students interested in Anabaptist origins, Mennonite migrations through Europe, and today's global Mennonite community. A Mennonite Studies program will also prepare students to work in the fields that focus on conflict resolution, multicultural understanding, and spiritual discipline. Such a program of study will be relevant to students intending to write MA and PhD theses dealing with Anabaptist-Mennonite subjects. Mennonite Studies courses will also prepare students to work in such fields of journalism, law, education, counselling, and public policy analysis. Students may also choose some area of Mennonite Studies to pursue further scholarly work in such disciplines as Conflict Resolution Studies, History, International Development Studies, Religion and Culture, Sociology and Women's and Gender Studies.

REQUIREMENTS FOR A MINOR IN MENNONITE STUDIES

Degree:	Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	MENN-2101(3) Mennonite Studies I and MENN-2102(3) Mennonite Studies II 12 credit hours from any of the following: a) All third year Mennonite Studies courses b) HIST-2131(3) History of Peace and Nonviolence I and/or HIST-2132(3) History of Peace and Nonviolence II c) One 3 credit hour U of W course in which the student has written a major research paper on a Mennonite topic (with the approval of the Chair) d) One 3 credit hour course in Mennonite history or related subject taken at a university level in another institution (with the approval of the Chair)
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

COURSE LISTINGS

Students are advised to consult WebAdvisor or the appropriate Timetable on the website for courses offered during the current term.

MENN/HIST-1010(6)	Mennonites and the Modern World	MENN-3102(3)/HIST-3216(3)	Luther, Zwingli and Radical Reformers
MENN-2101(3)	Mennonite Studies I	MENN/HIST-3108(3)	Gender and Mennonites
HIST-2108(3)		MENN/HIST-3110(3)	Russia and the Mennonites
MENN-2102(3)	Mennonite Studies II	MENN/HIST-3111(3)	Conflict and Mennonites
HIST-2109(3)		MENN/HIST-3114(3)	Latin America and the Mennonites
MENN/HIST/CRS-2131(3)	History of Peace and Nonviolence I	MENN/HIST-	Mennonites and World Issues
MENN/HIST/CRS-2132(3)	History of Peace and Nonviolence II		
MENN-3000(6)	Special Topics in Mennonite Studies		

3116(3)
 MENN/IDS-3150(3)
 MENN-3202(3)
 MENN/HIST-3212(3)
 MENN/HIST-

Mennonite Community and Development
 The Mennonite Image in World Literature
 Fact, Fiction and Images: Interpreting Manitoba Mennonites
 Mennonites in Canada

3541(3)
 MENN/HIST-4535(6)

Immigration and Ethnicity in Canada and the United States

EXPERIMENTAL COURSES

MENN/GERM-2107(3)

Introduction to Mennonite Low German

COURSE DESCRIPTIONS

Students are advised to consult WebAdvisor or the appropriate Timetable on the website for courses offered during the current term.

MENN-1010(6) MENNONITES AND THE MODERN WORLD (Le3) This course is a history of the ethnic identity and religious faith of the Mennonites from the sixteenth century to the present. Students will interpret the writings of the Mennonites, including their letters, memoirs, and diaries. These sources will show how Mennonites related to such modern phenomena as Protestantism, nationalism, capitalism, feminism, and global culture. The course will trace the Mennonites as they migrated from Europe to North America and as they established themselves in Asia, South America, and Africa.

CROSS-LISTED: History HIST-1010(6).

MENN-2101(3) MENNONITE STUDIES I (Le3) This course is a survey of the origins and history of the Anabaptists in Switzerland, the Netherlands, Germany, Prussia and Russia. Attention will be given to the interaction of religion and culture in the history of European Mennonites.

CROSS-LISTED: History HIST-2108(3), and accepted for credit by Religious Studies.

MENN-2102(3) MENNONITE STUDIES II (Le3) This course is a survey of the immigration and resettlement of Mennonites in Russia and in North and South America. The course will include a study of the origins and distinctive characteristics of particular Mennonite groups and conclude with a brief survey of Mennonites around the world.

CROSS-LISTED: History HIST-2109(3), and accepted for credit by Religious Studies.

HIST-2131(3) HISTORY OF PEACE AND NONVIOLENCE I (Le3) This course examines the history of pacifism, peace movements, and nonviolence from ancient times to the 1700s. It focuses in particular on Europe, with special emphasis on the period from ancient Greece and Rome, to Early Modern times in Western Europe. The course also addresses history of peace in other parts of the world. Thus, it contrasts Christian traditions of nonviolence with those of Hindu, Buddhist and other eastern traditions. For case studies, the course examines Mennonite communities in 16th and 17th century Switzerland and the Netherlands.

CROSS-LISTED: History HIST-2131(3), Conflict Resolution Studies CRS-2131(3).

MENN-2132(3) HISTORY OF PEACE AND NONVIOLENCE II (Le3) This course examines the history of pacifism, peace movements, and nonviolence from the 1700s till the present. It focuses in particular on North America, but will also cover selected events in other parts of the world. The course, thus, contrasts Christian traditions of nonviolence with those of aboriginal, secular, and eastern cultures. For case studies, the course examines Mennonite communities in 19th and 20th century Canada and the United States where Mennonites have embraced pacifism as a fundamental principle of social organization.

CROSS-LISTED: History HIST-2132(3), Conflict Resolution Studies CRS-2132(3).

MENN-3000(6) SPECIAL TOPICS IN MENNONITE STUDIES (NT) This tutorial is designed to enable students to follow an aspect of Mennonite Studies in depth. The topic should be selected in consultation with the Professor. Offered on an individual basis to advanced students at the discretion of the Chair in Mennonite Studies.

MENN-3102(3) LUTHER, ZWINGLI AND RADICAL REFORMERS (Le3) This course deals with the relationship between the objectives and methods of the "mainline" reformers of the sixteenth century (mainly Luther and Zwingli) and those of the "radical" reformers (such as Thomas Müntzer, Andrew Carlstadt, and the Anabaptists), and assesses the historical results of this relationship.

CROSS-LISTED: History HIST-3216(3).

MENN-3108(3) GENDER AND MENNONITES (Le3) This course will examine the role of women and of men in the evolving Mennonite society. It will trace these gender roles amongst the Radical Anabaptists of Western Europe, the agrarian Mennonite communities in Russia and North America, and the modern, urban centres in North America. The course will examine patriarchal structures of Mennonite households, churches, and communities, but also focus on the ways in which women create mechanisms of autonomy and meaning within those structures. The ideas that comprise Mennonite femininity and masculinity will receive special attention. Gender will also be traced through the Mennonite life-cycle, commencing at childhood and tracked through times of youth, marriage, mid-age and retirement. The course will examine how Mennonite theological teachings, everyday language, modes of production, fertility rates, and national cultures affect ideas of gender in Mennonite society.

CROSS-LISTED: History HIST-3108(3).

MENN-3110(3) RUSSIA AND THE MENNONITES (Le,S3)

This lecture/seminar course deals with the history of the Mennonites in Imperial Russia and the Soviet Union from 1789 to 1989. Cultural, economic, and religious developments of the so-called 'Mennonite Commonwealth' in the nineteenth century and of the far-flung Mennonite communities in the Soviet Union during the twentieth century are emphasized and analyzed.

RESTRICTIONS: May not be taken by students with credit in the former MENN-3203.

CROSS-LISTED: History HIST-3110(3).

MENN-3111(3) CONFLICT AND MENNONITES (Le3) This course deals with the Anabaptist and Mennonite understanding and experience of pacifism throughout the centuries, with special emphasis on their dealings with nation-states, church schism, ethnic relations, and domestic abuse. **RESTRICTIONS:** Students may not hold credit for both this course and the former MENN-2103(3).

CROSS-LISTED: History HIST-3111(3).

MENN-3114(3) LATIN AMERICA AND THE MENNONITES (Le,S3) This lecture/seminar course is a study of the

founding and development of Mennonite communities in Central and South America. The focus is on problems European and Canadian Mennonites faced (and still face) in their attempt to establish an existence and identity in a predominantly Latin world. The course contrasts these conservative Mennonites to the more radical communities composed of indigenous Latin American Mennonites. In particular, it compares the manner in which the two groups of Mennonites have responded to the social and economic issues of Latin America.

RESTRICTIONS: May not be taken by students with credit in the former MENN-3101.

CROSS-LISTED: History HIST-3114(3).

MENN-3116(3) MENNONITES AND WORLD ISSUES

(Le,S3) This lecture/seminar course studies Mennonite responses to the wider world, and examines changes that have taken place among Mennonites with regard to world issues over the course of history. These issues include: urbanization, environmentalism, poverty, mass culture, the communications revolution, the global economy and family life. An emphasis is placed on the Twentieth Century World.

RESTRICTIONS: Students with standing in MENN-3301(3) or HIST-3301(3) may not receive credit for MENN-3116(3) or HIST-3116(3).

CROSS-LISTED: History HIST-3116(3).

MENN-3150(3) MENNONITE COMMUNITY AND DEVELOPMENT (S3)

This course analyzes the experiences of the Mennonite community in service and peace work. It highlights the values, approach, and methods particular to Mennonite humanitarian work. The Mennonite tradition of holistic development emphasizes individual transformation (providing the tools for indigenous development) and social transformation (involving all peoples in creating local, national, and global systems that are just). The work of Mennonite organizations such as the Mennonite Central Committee and the Mennonite Economic Development Agency, of ecumenical organizations such as the Canadian Foodgrain Bank and InterChurch Action, and of inter-organizational groups such as SEED Winnipeg will provide examples for student reflection and analysis.

PREREQUISITES: IDS-1100(6) or the permission of instructor.

CROSS-LISTED: International Development Studies IDS-3150(3).

MENN-3202(3) THE MENNONITE IMAGE IN WORLD LITERATURE (Le3)

This course deals with selected German and non-German authors who have treated the Mennonites as a major theme in their fiction. The following authors, among others, will be studied: H.J.C. von Grimmelshausen, Gottfried Keller, Theodor Fontane, Cæsar von Arx, Friedrich Dürrenmatt, and Sandra Birdsell.

HIST-3212(3) FACT, FICTION AND IMAGES:

INTERPRETING MANITOBA MENNONITES (Le3) This course introduces the student to a wide variety of historic Manitoba Mennonite writers. It includes authors of personal writings, authors or historic works from a variety of disciplines, and authors of poetry and historical fiction. This course analyzes the texts of these authors from the perspective of history, asking what light they shed on the lived experience of Mennonites in Manitoba and how specific historical times might have informed those writings. The course suggests a broad definition of "author", recognizing that all texts are literary constructions, employing particular media to make sense of the Mennonite worlds in Manitoba.

CROSS-LISTED: History HIST-3212(3).

MENN-3452(3) ANABAPTISM AND EVANGELICALISM

(Le3) This course will seek to understand both Evangelicalism and Anabaptism in light of recent historiography. Considerable attention will be given to the

development of fundamentalism and evangelicalism in the past century in order to provide a basis for understanding the distinctive and common elements of the two traditions.

MENN-3541(3) MENNONITES IN CANADA (Le3)

This course will survey major developments in Canadian Mennonite communities from 1786 to the present. It will trace the following themes: the Swiss American and Russian roots of Canadian Mennonites; community formation in Ontario and Western Canada; Anabaptism in everyday life (especially the way it was played out in the family); theological developments in the late nineteenth and early twentieth centuries; the survival of Mennonite faith distinctives in the urban and socially-integrated Canadian society since World War II. Special emphasis will be placed on establishing the unique features of Canadian Mennonite experience.

CROSS-LISTED: History HIST-3541(3).

MENN-4535(6) IMMIGRATION AND ETHNICITY IN

CANADA AND THE UNITED STATES (S3) This research seminar examines the history of immigration to North America between 1860 and 1960. The course focuses on the nature of migration patterns and the adaptation of immigrants to the new world, especially the rise of ethnic identities. The course discusses the similarities and differences in the Canadian and American immigrant experience.

CROSS-LISTED: History HIST-4535(6).

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated

MENN-2107(3) INTRODUCTION TO MENNONITE LOW

GERMAN (Le3) This course helps students develop a basic knowledge of the Low German language (Plautdietsch) as spoken by Mennonites who migrated from Prussia to Russia and subsequently to Canada, the United States and throughout Latin and South America. Students learn to understand spoken Low German and to conduct basic conversations in everyday situations. Although written Low German is not completely standardized, the course provides students with a basic reading knowledge of Low German texts. Instruction in the communication patterns and structures of the language is complemented by audio and video exercises as available.

PREREQUISITES: 40S or GERM-1001 or permission of the instructor.

RESTRICTIONS: Not intended for students fluent in Low German.

CROSS-LISTED: German Studies GERM-2107(3).

MODERN LANGUAGES AND LITERATURES FRENCH STUDIES (FREN), GERMAN STUDIES (GERM), ITALIAN STUDIES (ITAL), SPANISH STUDIES (SPAN)

Updated January 10, 2013

Note: The department/program codes FREN, GERM, ITAL and SPAN replace the former codes 20, 26, 21, and 22 respectively. Students cannot hold credit in FREN-xxxx and the former 20.xxxx, GERM-xxxx and the former 26.xxxx, ITAL-xxxx and the former 21.xxxx, and SPAN-xxxx and the former 22.xxxx having the same course number (e.g., FREN-1001(6) and 20.1001(6)).

Chair: Associate Professor L. Dietrick ; Professors: K. Meadwell, L. Rodriguez, S. A. Viselli; Associate Professors: J. Machín-Lucas, G. Moulaison; Assistant Professor: A. Balint-Babos; Instructor III: A. Rusnak; Instructor II: M. Ruiz.

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA

INTRODUCTION

The Department of Modern Languages and Literatures offers a variety of courses and programming, including the 3-year BA (in French, in German, and in Spanish), the 4-year BA (in French and in German), and the Honours BA (in French).

Students can begin study of any of our languages without previous knowledge. Departmental advisors are available to assist students in the selection of their courses, and to ensure correct placement, students are asked to consult an advisor when registering for the first time in one of our courses. Students can study language, linguistics and literature in a variety of courses at different levels.

In addition to registering in our on-campus programs, students in French Studies and German Studies can benefit from study-abroad programs at the Université de Bordeaux 3 in France and at the Universität Bamberg in Germany.

For specific information about courses and programs in French Studies, German Studies, Italian Studies and Spanish Studies, please consult the appropriate calendar sections.

COURSE DESCRIPTIONS

Students are advised to consult WebAdvisor or the appropriate Timetable on the website for courses offered during the current term.

MOD-2710 (3) LITERATURE IN TRANSLATION (Le3) This course focuses on modern non-English-language literary texts in English translation. Readings may be organized around a genre such as the novel; a critical approach such as post-colonialism or cultural studies; a period such as Romanticism; or specific literary traditions or languages such as French, German, Spanish, and Italian. Students should consult the Department of Modern Languages and Literatures for a description of the current offering. This course may be repeated for credit when the topic varies.

PREREQUISITES: FREN-2180(3) or SPAN-2180(3) or GERM-2209(3) or 6 credit hours of First-Year English.

CROSS-LISTED: ENGL-2710

MULTIDISCIPLINARY (MULT)

Updated March 14, 2013

Note: The department/program code MULT replaces the former code 01. Students cannot hold credit in MULT-xxxx and the former 01.xxxx having the same course number (e.g., MULT-1005(6) and 01.1005(6)).

INTRODUCTION

The University offers a variety of courses under the department designation "Multidisciplinary." These courses may or may not be proposed by individual departments or programs, but they typically are associated with existing departments or programs. This category of courses may also be used to designate transfer credits from faculties or programs at other institutions with no counterpart among University of Winnipeg departments or programs. There is currently one permanent multidisciplinary course in the university curriculum.

COURSE LISTINGS

MULT-1005(6) Concepts in Science

Experimental Courses:

MULT-1000(3) Introduction to University

MULT-3002(6) Activist Internship in Human Rights and Social Justice

COURSE DESCRIPTIONS

MULT-1005(6) CONCEPTS IN SCIENCE (Le3) This course explores science at a qualitative level from this interdisciplinary viewpoint, with an aim to foster scientific literacy and develop critical thinking skills that are so crucial in today's society. Topics are drawn from biology, chemistry, geography, and physics, and range from the large - the universe, the earth, and ecosystems - to the small - cells, molecules, and atoms. Emphasis is placed on the unifying concepts running through such diversity, with activities and demonstrations forming an integral component. The course fulfills the Science requirement.

CROSS-LISTED: Biology BIOL-1005(6) and Physics PHYS-1005(6).

Experimental Courses

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

MULT-1000(3) INTRODUCTION TO UNIVERSITY (Le3)

This course serves as a preparatory course for university studies or as a support course taken concurrently with initial enrolment. Students become familiar with the nature and demands of university study, and acquire personal strategies and attitudes that enhance their first-year experience and their ability to function effectively in a university environment. Students also develop practical and effective learning, study, and time management skills, and learn to apply strategies to

aid in the writing of tests and exams. There are opportunities to practice such skills as note-taking, organizing information, essay writing, public speaking and class participation, and conducting research.

MULT-3002(6) ACTIVIST INTERNSHIP IN HUMAN RIGHTS AND SOCIAL JUSTICE (SV,AV) In this course, students research the variety of human rights and social justice initiatives available within a 12-month period in Manitoba, such as conferences, workshops, seminars, summer institutes, and community projects and partnerships. Opportunities may be available at various community organizations, as well as on-campus venues such as the Global College Institutes and the Global College Community Liaison Office; Menno Simons College; and the Global Welcome Centre. In consultation with the instructor(s), the students select the initiative(s) most relevant to their interests, training, and capacities, and contribute to the development of that project/event/program throughout the 12-month period.

PRE-REQUISITES: Students must have completed a minimum of 30 credit hours of course work at the university level. This course is designed for students in their 3rd or 4th year of studies.

ADDITIONAL REQUIREMENTS: Students wishing to be enrolled in this course must submit a letter of interest that includes their answers to specific focus questions. Successful Applicants will also be invited to participate in an interview process to determine their suitability for the course.

PHILOSOPHY (PHIL)

Updated February 12, 2013

Note: The department/program code PHIL replaces the former code 35. Students cannot hold credit in PHIL-xxxx and the former 35.xxxx having the same course number (e.g., PHIL-1001(6) and 35.1001(6)).

Chair: Professor J. Zupko; **Associate Professors:** J. Forsey, J.R. Muir, B. Savickey, S. Tomsons; **Assistant Professor:** A. Scarfe.

DEGREES/PROGRAMMES OFFERED

3-Year BA

4-Year BA

Honours BA

Minor

INTRODUCTION

The Department of Philosophy at the University of Winnipeg has a long commitment to an historical approach to philosophy and philosophical education which our graduates attest has served them well. Students in our department have the opportunity to examine authors from every historical period, and from Europe, the Middle East, North America, and other parts of the world. They can investigate philosophy's fundamental metaphysical, epistemological, and axiological questions: What is the nature of the universe? What can I know? What should I become? What should I do? This historical approach allows students to encounter diverse answers to these questions and come to understand the historical origins of the dominant answers to these questions in contemporary society. In addition to courses in the Department's History Stream, students have the opportunity to select courses from the Ethics, Politics and Value Theory Stream or Metaphysics and Epistemology.

The Department offers a variety of 3-Year, 4-Year, and Honours B.A. programs and a Minor. Philosophy courses also provide an excellent theoretical adjunct to majors in other departments. Introduction to Logical Reasoning provides valuable critical thinking tools for all students. The Department offers discipline specific courses such as Philosophy of Education for Education, Philosophy of Literature for English, Philosophy of History for History, Philosophy of Religion for Religion, and Philosophy of Mind for Psychology. There are also applied ethics courses such as Environmental Ethics for Environmental Science/Studies students and Health Care and Bioethics for prospective doctors, nurses and other biomedical professionals. Philosophy of the Natural Sciences or Philosophy of the Social Sciences will be of interest to students in these programs.

In addition to increasing one's understanding of possible answers to important questions, Philosophy courses enhance students' thinking and writing skills. Philosophy courses are useful to students planning careers in journalism, law, education, policy-making, politics, theology, education, administration, and counseling. Graduate Studies in philosophy typically requires students to have an Honours degree in Philosophy.

REQUIREMENTS FOR A 3-YEAR BA IN PHILOSOPHY

ADMISSION REQUIREMENT	Students must consult with the Programme Advisor before declaring a major.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	42 credit hours at the 1000 level. 6 credit hours may be below the 1000 level.
Distribution:	Minimum 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours.
Double Major:	30 credit hours in Philosophy and satisfy minimum credit hours requirement in the other department/program.

Required courses in Single or Double Major:

PHIL-1001(6) or PHIL-1002(6)

6 credit hours of History Stream Courses

6 credit hours PHIL-1301(6) or PHIL-2302(6)

6 credit hours Metaphysics and Epistemology Stream **OR** Ethics, Politics and Value Theory Stream

6 credit hours in a Stream

Depth Requirement:

6 of the 30 credits be 3000- or 4000- level courses.

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 24 credit hours in Philosophy courses.

Required courses:

PHIL-1001(6) or PHIL-1002(6)
6 credit hours PHIL-1301 (6) or PHIL-2302 (6)
6 credit hours History Stream

NOTE: PHIL-1301 and either PHIL-1001 or PHIL-1002 may be taken for degree credit.
3000 and 4000 level courses are offered in rotation.

REQUIREMENTS FOR A 4-YEAR BA IN PHILOSOPHY

ADMISSION REQUIREMENT	Students must consult with the Programme Advisor before declaring a major. Students should already have completed 30 credit hours.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Science:	6 credit hours
Social Science:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	42 credit hours at the 1000 level. 6 credit hours may be below the 1000 level.
Distribution:	Minimum 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours.
Double Major:	Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates:	Minimum of 18 credit hours/Maximum of 36 credit hours ancillary course Maximum total of cognate and major courses is 84 credit hours combined. Students are advised to consult with Programme Advisor about cognate selection.

Required courses for Single and Double Major:

Programme Core (30 credits)
PHIL-1001(6) or PHIL-1002(6)
PHIL-2302(6)
6 credit hours History Stream
6 credit hours Metaphysics and Epistemology Stream
6 credit hours Ethics, Politics and Value Theory Stream

Stream Requirement: 9 credit hours in a Stream

Electives: 9 credit hours

Depth Requirement:

6 credits 3000 level courses

6 credits 4000 level courses

Required courses for Student Directed Stream:

Programme Core (30 credits)
PHIL-1001(6) or PHIL-1002(6)
PHIL-2302(6)
6 credit hours History Stream
6 credit hours Metaphysics and Epistemology Stream
6 credit hours Ethics, Politics and Value Theory Stream

18 credit hours Thematic selection of courses in consultation with Programme Advisor

Depth Requirement:

6 credits 3000 level courses

6 credits 4000 level courses

Combined Major: Minimum 60 credit hours from two (2) different majors with not less than 30 credit hours from each major subject.

Required Courses:

Programme Core (30 credits)
PHIL-1001(6) or PHIL-1002(6)
PHIL-2302(6)
6 credit hours History Stream
6 credit hours Metaphysics and Epistemology Stream
6 credit hours Ethics, Politics and Value Theory Stream

Depth Requirement:

6 credits 3000 level courses

6 credits 4000 level courses

NOTE: PHIL-1301 and either PHIL-1001 or PHIL-1002 may be taken for degree credit.
3000 and 4000 level courses are offered in rotation.

REQUIREMENTS FOR AN HONOURS BA IN PHILOSOPHY

ADMISSION REQUIREMENT

Students must consult with the Programme Advisor to enter the Honours programme.

Students should already have completed 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 (B) in Philosophy courses and 2.5 (C+) in other courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours

Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: 2 credit hours at the 1000-level. 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.

Minimum 12 credit hours at 3000-level in Philosophy.

Minimum 18 credit hours at 4000-level in Philosophy.

Double Honours: Minimum 48 credit hours in each Honours subject.

Minimum 12 credit hours at 3000 level in Philosophy.

Minimum 18 credit hours at 4000-level in Philosophy.

Consult department involved for the requirements of the other Honours subject.

Required courses:

Single Honours:

Programme Core (30 credits)

PHIL-1001(6) or PHIL-1002(6)

PHIL-2302(6)

6 credit hours History Stream

6 credit hours Metaphysics and Epistemology Stream

6 credit hours Ethics, Politics and Value Theory Stream

Stream Requirement: 12 credit hours in a Stream

PHIL-4800(6) or 6 credit hours 4000-level in student's Stream

Electives: 6 credit hours

Depth Requirement:

12 credit hours 3000-level courses

18 credit hours 4000-level courses (Including PHIL-4800(6) or 6 credit hour 4000-level courses.)

Student Directed Honours Programme:

Programme Core (30 credits)

PHIL-1001(6) or PHIL-1002(6)

PHIL-2302(6)

6 credit hours History Stream

6 credit hours Metaphysics and Epistemology Stream

6 credit hours Ethics, Politics and Value Theory Stream

18 credit hours Thematic selection of courses in consultation with Programme Advisor

PHIL-4800(6) or 6 credit hours 4000-level in student's Theme

Depth Requirement:

12 credit hours 3000-level courses

18 credit hours 4000-level courses (including PHIL-4800(6) or 6 credit hour 4000-level courses.)

Double Honours:

Programme Core (30 credits)

PHIL-1001(6) or PHIL-1002(6)

PHIL-2302(6)

6 credit hours History Stream

6 credit hours Metaphysics and Epistemology Stream

6 credit hours Ethics, Politics and Value Theory Stream

Stream Requirement: 12 credit hours in a Stream

PHIL-4800(6) or 6 credit hours 4000-level in Stream

Depth Requirement:

12 credit hours 3000-level courses

18 credit hours 4000-level courses (Including PHIL-4800(6) or 6 credit hour 4000-level courses.)

NOTE: PHIL-1301 and either PHIL-1001 or PHIL-1002 may be taken for degree credit.
3000 and 4000 level courses are offered in rotation.

REQUIREMENTS FOR A MINOR IN PHILOSOPHY

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement: Minimum 12 credit hours in the Minor subject
Required courses: Any 18 credit hours in Philosophy, subject to the above requirements
Restrictions: Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Students are advised that 3000- and 4000- level courses are offered in rotation. To complete your degree in a timely manner, you are advised to meet regularly with the Programme Advisor.

Philosophy Course Selection

Year 1 students are advised to take a 1000 level course, although 2000 level courses do not generally require a prerequisite. For Year 2 students, or beyond, the first Philosophy course may be at the 2000-level.

3000 level courses require a minimum of 12 credit hours in Philosophy.

4000 level courses require:

A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher)

B average or better in Philosophy courses

Written permission of the Departmental Advisor.

Courses may only be counted once for degree requirements.

3000- and 4000- level courses may be repeated when the topics are different.

Humanities Requirement:

PHIL-2302(6) Logic does not fulfill the Humanities Requirement.

Credit for Logic courses received by transfer from other institutions does **not** fulfill the Humanities requirement.

Cross-Listed Courses

Approval of Programme Advisor is required to count more than one Philosophy cross-listed course for credit towards the Major.

STREAMS

HISTORY STREAM COURSES

PHIL 2002(3) History of Philosophy: Classical	PHIL 3504(3) Plato and Before
PHIL 2003(3) History of Philosophy: Early Modern	PHIL 3505(3) Aristotle and After
PHIL 2004(3) History of Philosophy: 19 th Century	PHIL 3507(3) 17 th Century Philosophy
PHIL 2005(3) History of Philosophy: Recent Anglo-American	PHIL 3508(3) 18 th Century Philosophy
PHIL 2010(3) History of Philosophy: Existentialism	PHIL 3509(3) 19 th Century Philosophy
PHIL-2020(3) History of Philosophy: Renaissance	PHIL 3510(3) Anglo-American Philosophy
PHIL 2112(3) History of Philosophy: Medieval Latin	PHIL 3511(3) Postmodern Philosophy
PHIL 2291(3) History of Educational Ideas	PHIL 4117(3) Topics in Continental Philosophy
PHIL 3502(3) History of Philosophy: Medieval Arabic and Hebraic	PHIL 4503(3) Topics in the History of Philosophy

ETHICS, POLITICS AND VALUE THEORY STREAM COURSES

PHIL 2200(6) Social and Political Philosophy	PHIL 2281(3) Philosophy of Education
PHIL 2201(6) Moral Philosophy	PHIL 3215(3) Philosophy and Social Reality
PHIL 2202(3) Health Care and Bioethics	PHIL 3xx1(3) Topics in Moral Philosophy
PHIL 2207(3) Philosophy of Law	PHIL 3xx2(3) Topics in Political Philosophy
PHIL 2208(3) War and Peace	PHIL 3xx3(3) Topics in Applied Ethics
PHIL 2219(3) Philosophy of Art	PHIL 3xx4(3) Topics in Applied Politics
PHIL 2220(3) Philosophy of Literature	PHIL 4204(3) Topics in Moral Philosophy
PHIL 2240(3) Indigenous Justice Issues	PHIL 4501(3) Topics in Aesthetics
PHIL 2233(3) Environmental Ethics	PHIL 4504(3) Topics in Social and Political Philosophy

METAPHYSICS AND EPISTEMOLOGY STREAM COURSES

PHIL 2232(3) Philosophy of Religion	PHIL 3101(3) Metaphysics
PHIL 2234(3) Philosophy of Nature	PHIL 3304(3) Philosophy of Language
PHIL 2251(3) Philosophy of the Natural Sciences	PHIL 3512(3) Philosophy of Mind
PHIL 2252(3) Philosophy of the Social Sciences	PHIL 4266(3) Topics in Epistemology
PHIL 2264(3) Philosophy of Mind	PHIL 4267(3) Topics in Metaphysics
PHIL 3100(3) Epistemology	PHIL 4277(3) Topics in Analytic Philosophy

Students are advised that 3000- and 4000-level courses are offered in rotation and may not be offered in each session.

PHIL-4700(3) Directed Individual Study This course requires permission of Instructor and Programme Advisor. Students should have demonstrated ability to do independent work. A preliminary course description must be submitted in writing to the Instructor and the Programme Advisor by the end of the first week of term. Students should consult their Instructor well in advance of that deadline.

PHIL-4800(6) Honours Thesis : Students wishing to enrol in this course must be enrolled in the Honours Programme and consult with the departmental Honours Advisor to determine a thesis topic.

COURSE DESCRIPTIONS

PHIL-1001(6) INTRODUCTION TO PHILOSOPHY (Le3)

This course is an historical introduction to basic philosophical problems and methods. It considers central questions in ethics, religion, politics, knowledge, and metaphysics, e.g., are humans selfish by nature? Is moral decision-making rational? Does God exist? What is the meaning of life? What are the principles of correct reasoning? Is knowledge the same thing as perception? Is the real world different from the world as it appears to us? What are space and time? Do we have free will, or are our choices completely determined by forces outside of us? Philosophers discussed may include: Plato, Aristotle, Aquinas, Descartes, Hume, and Kant.

NOTE:PHIL-1301(6) and either PHIL 1001(6) or PHIL-1002(6) may be taken for degree credit.

PHIL-1002(6) VALUES AND THE HUMAN CONDITION (Le3)

This course introduces philosophical inquiry by examining how some philosophers in the Western Philosophical tradition understand human nature and the values that provide competing accounts of how to live well. Questions addressed may include: What is it to be human? What is the good life? Are human beings uniquely rational? Are we inherently independent or social? Is human value dependent upon God? Do we have moral and/or political responsibilities? Can we acquire the knowledge we need to achieve the good life? Is there life after death? Philosophers may include: Plato, Aristotle, Aquinas, Mill, Kant, Kierkegaard, Sartre as well as contemporary philosophers.

NOTE:PHIL-1301(6) and either PHIL 1001(6) or PHIL-1002(6) may be taken for degree credit.

PHIL-1301(6) INTRODUCTION TO LOGICAL REASONING (Le3)

This course will cover the principle of rational thinking and the application of logical methods to the analysis of arguments. The stress will be on the practical goal of using logical evaluation as an aid to clear thinking. Arguments for analysis will come from everyday life, academic disciplines, and the philosophical tradition.

RESTRICTIONS: Students may NOT receive credit for both this course and PHIL-2302(6).

NOTE:PHIL-1301(6) and either PHIL 1001(6) or PHIL-1002(6) may be taken for degree credit.

GENERAL INTEREST COURSES

Open to all students beyond the first year and without prerequisites unless indicated.

PHIL-2002(3) HISTORY OF PHILOSOPHY: CLASSICAL (Le3)

This course is the study of a limited but representative selection of classical philosophers, especially Plato and Aristotle. The readings will focus on a variety of philosophical problems. The contributions of the different thinkers will be critically evaluated and the influence of earlier thinkers on subsequent philosophical thought will be explored.

PHIL-2003(3) HISTORY OF PHILOSOPHY: EARLY MODERN (Le3)

This course is the study of a limited but representative selection of modern philosophers from the time of Descartes to the time of Kant. The readings will focus on a variety of philosophical problems. The contributions of the different thinkers will be critically evaluated and the influence of earlier thinkers on subsequent philosophical thought will be explored.

PHIL-2004(3) HISTORY OF PHILOSOPHY: 19th CENTURY CONTINENTAL (Le3)

This course offers a representative selection of Continental philosophers and themes from the 19th century. The philosophers may include such figures as Hegel, Schopenhauer, Comte, Marx, Kierkegaard, Nietzsche, and Bergson. Possible themes are the idea of historical development, the competing claims of the sciences and the humanities, the attack on reason and objectivity, the assertion of the primacy of the will, and the analysis of the human condition.

PHIL-2005(3) HISTORY OF PHILOSOPHY: RECENT ANGLO-AMERICAN (Le3)

This course examines a limited but representative selection of English-speaking philosophers and themes from the 19th and 20th centuries. The philosophers may include Mill, Bradley, James, Dewey, Royce, Collingwood, and Russell. Possible themes are theories of meaning and truth, the relation between perception and reality, the controversy between science and religion, and values in a social context.

PHIL-2010(3) HISTORY OF PHILOSOPHY: EXISTENTIALISM (Le3)

This course explores characteristic existentialist themes including notions of human freedom, anxiety, self-deception, authenticity, and the limits of meaning and knowledge. We consider such representative thinkers as Kierkegaard, Nietzsche, Heidegger, Sartre, de Beauvoir, and Camus.

RESTRICTIONS: Students may NOT receive credit for both PHIL-2010(3) and the former PHIL-2007(6).

PHIL-2011(6) THE GENESIS OF WESTERN HUMANISM (Le3)

This course is a study of the rise of humanistic thought in response to the needs and vicissitudes of life in the Greco-Roman world. Primary source material in translation will be used to obtain an understanding of the contribution made by various individuals: e.g., Protagoras, Socrates, Plato, Isocrates, Aristotle, Epicurus, Lucretius, Cicero, Seneca, Epictetus, and Marcus Aurelius.

CROSS-LISTED: Classics CLAS-2011(6).

PHIL-2012(3) HISTORY OF PHILOSOPHY: MEDIEVAL LATIN (Le3)

This course examines selected philosophical works in the Latin traditions from the time of Augustine to the end of the 14th century. Topics in moral and political philosophy, logic and metaphysics, epistemology, philosophy of

science, and philosophical theology may be discussed. The influence of earlier Arabic and Hebraic thinkers on subsequent Latin philosophical thought is explored.

RESTRICTIONS: Students may NOT receive credit for both PHIL-2012 and the former PHIL-3503.

PHIL-2020(3) HISTORY OF PHILOSOPHY: RENAISSANCE (Le3) This course examines the philosophical thought of the European Renaissance, from 1400 to 1600. Themes include the Renaissance recovery of classical Greek philosophy, the Renaissance interpretation and development of Arabic (Islamic and Judaic) philosophy, mathematics, science and Renaissance humanism. Authors include: Petrarch, Pico, Nicholas of Cusa, Marsilio Ficino, Erasmus, Thomas More, Bacon, Galileo, and Machiavelli.

PHIL-2200(6) SOCIAL AND POLITICAL PHILOSOPHY (Le3) This course is a critique of attempts to give ethical justification for social institutions and practices. Why should I obey the state? When is disobedience justified? Are there any inalienable and absolute human rights? What are the conditions and limits of liberty? Why and when is it moral to punish? Is free enterprise consistent with principles of justice? Is it ever right to engage in war? Readings will include the work of some of the following: social contract theorists, utilitarians, Hegelians, Marxists, existentialists, and analytic philosophers.

NOTE: Students may not receive credit for both PHIL-2200(6) AND the former PHIL-2205(6).

CROSS-LISTED: Politics POL-2200(6).

PHIL-2201(6) MORAL PHILOSOPHY (Le3) This course will examine representative moral ideas and standards of human conduct, with some consideration of their practical relevance. Topics that may be considered are the nature of morality, conceptions of the good life, virtues and vices, the justification of moral standards, moral relativity and scepticism, the bearing of behavioural studies on moral judgment and the validation of standards, and the question of freedom and moral responsibility. Readings will be selected from both classical and contemporary sources.

PHIL-2202(3) HEALTH CARE AND BIOETHICS (Le3)

This course examines bioscience and medical ethical issues from Western moral and legal perspectives. Topics may include: abortion, euthanasia, stem cell research, cloning, gene therapy, the genetic manipulation of organisms, the distribution of scarce medical resources, patient confidentiality, competency criteria, the physician-patient relationship, patient right to information and the truth, the definitions of life and death, new reproductive technologies, and the debate between public and private health care.

PHIL-2207(3) PHILOSOPHY OF LAW (Le3) Typical problems are the nature and function of law, the relations between law and morality, and the examination of legal concepts and legal reasoning. There will be some discussion of the actual function of law in society.

PREREQUISITES: An introductory Philosophy course or permission of instructor.

PHIL-2208(3) WAR AND PEACE (Le3) This is a study of the ethical issues connected with war and the securing of peace, as articulated in the writings of major philosophers such as Plato, Aristotle, Aquinas, Hobbes, Kant, James, Russell, and Camus, and perhaps selected political and military thinkers such as

Machiavelli and Clausewitz. Relevant moral theories such as the ethics of non-violence, the idea of a holy war, the theory of the just war, and the doctrine of deterrence will be critically examined both in their historical context and in the context of the nuclear age.

PHIL-2211(3) PHILOSOPHY OF HISTORY (Le3) The course will include an examination of topics such as the following: significant answers to the question, "What is history," the relation between fact and value judgment in understanding history, the relevance of historical understanding for structuring our insight into the human condition, the meaning of world history as a whole, and theories of historical explanation.

PHIL-2219(3) PHILOSOPHY OF ART (Le3) Through reading key theorists in the history of aesthetics, this course examines some of the fundamental problems in the philosophy of art, including those of the definition and purpose of art, the nature of beauty, the sources of genius and originality, the problem of forgery, and the possible connection between art and the moral good.

RESTRICTIONS: Students may NOT receive credit for both PHIL-2219(3) and the former PHIL-2221(6).

PHIL-2220(3) PHILOSOPHY OF LITERATURE (Le3)

This course examines some of the philosophical problems posed by literature, i.e., the nature and function of literature, problems of interpretation and criticism, the place of authors' intentions in reading and understanding texts, and the possible role of literature in moral life.

PHIL-2232(3) PHILOSOPHY OF RELIGION (Le3)

This course is a philosophical examination of basic problems of religion and theology. Topics are selected from the nature and main forms of religion, the existence and nature of God, the claims of mystical and religious experience, the relation of religion and science, the relation of religion and morality, the problem of evil, human destiny, revelation and faith, and the nature of religious language.

RESTRICTIONS: Students may NOT receive credit for both PHIL-2232(3) and the former PHIL-2231(6).

PHIL-2233(3) ENVIRONMENTAL ETHICS (Le3)

The course will examine principles and problems related to our responsibilities for the world in which we live. Typical topics may include the following: the implications of ecology for ethics, our obligations to future human generations, the varieties of value which might be found in the world of nature, and tensions between ideals of liberty and justice under conditions of scarcity.

NOTE: A required course for the Environmental Studies degree.

PHIL-2234(3) PHILOSOPHY OF NATURE (Le3)

This course considers hypotheses about the nature of things as suggested by recent developments in the physical and biological sciences coupled with philosophical speculation. How have modern theories of evolution, relativity, genetics, biochemistry, quantum mechanics, electromagnetism, and nuclear physics altered our understanding of the origins and nature of the cosmos? In the light of scientific theory and speculation on such topics, the course reassesses philosophical theories about space, time, matter, and life.

PHIL-2240(3) INDIGENOUS JUSTICE ISSUES (Le3)

This course in applied political theory examines various moral and political issues that are the basis for present conflicts between Indigenous Peoples and the Canadian state. Indigenous and Western philosophies provide contexts for critically examining past and present relationships and for considering how to move into more just relationships. Topics may include: treaty rights, colonization, the Indian Act, residential schools, Aboriginal rights, racism, restorative justice, and the United Nations Declaration on the Rights of Indigenous Peoples.

PHIL-2251(3) PHILOSOPHY OF THE NATURAL SCIENCES (Le3)

Key issues in understanding and evaluating the enterprise of natural science form the subject matter. Questions dealt with might include the following: Is there a scientific method? Can scientific theories be tested against experience? What are the criteria for the acceptability of scientific theories? Is induction reliable? What are the "laws of nature" and how can they be known? Is a true scientific theory simply a useful tool in our search for power over nature, or does it also provide us with an accurate description of the world we live in?

PHIL-2252(3) PHILOSOPHY OF THE SOCIAL SCIENCES (Le3)

The course will be concerned with understanding the social sciences and psychology, with special emphasis on methodological issues. Possible topics are the following: theory construction in the human sciences, the influences of ideologies upon the methods and findings of these disciplines, the problem of objectivity, types of explanation, and the relation between explaining, predicting, and engineering human behaviour. Is it reasonable to look for laws of human behaviour on the basis of which we can engage in utopian social planning?

PHIL-2264(3) PHILOSOPHY OF MIND (Le3)

This course is a consideration of philosophical problems concerning the mind, such as the nature of mental activity (consciousness, perception, thinking), personal identity, the relation of mind and body, and our knowledge of other minds. The bearing of psychology on these philosophical reflections will be considered.

PHIL-2281(3) PHILOSOPHY OF EDUCATION (Le3)

This course is an examination of traditional and modern philosophical perspectives on the educational and learning process as applied to current practices.

PHIL-2291(3) HISTORY OF EDUCATIONAL IDEAS (Le3)

This course is a study of the development and implications of educational ideas from Plato to the present.

NOTE: A Support Course for the Education Program.

PHIL-2302(6) LOGIC (Le3)

This course studies the fundamentals of logic including (i) the basic elements of formal logic--the classical logic of propositions and quantifiers and topics in some non-classical approaches, and (ii) the applied study of practical logic--the evaluation and analysis of informal reasoning. Historical and Philosophical matters will be included.

NOTE: This course may NOT be used to fulfil the Humanities Requirement.

PHIL-2305(3) PHILOSOPHY AND MATHEMATICS (Le3)

Historically, philosophers have been intrigued by mathematics. Some philosophers, such as Pythagoras, Descartes and Frege, have made fundamental contributions to mathematics while mathematicians and

physicists such as Heisenberg, Einstein and Hawking have noticed that contemporary aspects of their disciplines have raised ancient philosophical questions anew. Are mathematical proofs "certain"? Is mathematics independent of empirical experience? Can mathematics be reduced to logic? Does mathematics describe reality? This course examines such questions and the answers offered in the history of philosophy.

CROSS-LISTED: Mathematics MATH-2305(3).

NOTE: This course may NOT be used to fulfil the Science Requirement.

PHIL-2901(3) HISTORY OF CALCULUS (Le3)

This course gives an overview of the main ideas of Calculus, together with their historical development. It will investigate issues such as the definition of Calculus; how and when it developed; what problems inspired its creation; and how it changed the way mathematicians and others think about mathematical knowledge. Readings of original sources in English translation may range from Babylonian mathematical tablets, through Euclid and the Greeks, past Galileo, Leibniz and Newton, to Cauchy, Riemann and Robinson.

PREREQUISITES: Pre-Calculus Math 40S or Applied Math 40S.

CROSS-LISTED: Mathematics MATH-2901(3).

NOTE: This course can be used to fulfil either the Science Requirement or the Humanities Requirement.

ADVANCED COURSES

3000-level courses are open to all students who have completed a minimum of 6.0 credit hours in Philosophy.

PHIL-3100(3) EPISTEMOLOGY (Le3)

This course examines problems of knowledge. Topical investigations may include skepticism; knowledge and its relation to thought; experience, truth, and inference; subjectivity and objectivity; relativism and absolutism; and realism versus antirealism.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3100(3) and the former PHIL-2261(6).

PHIL-3101(3) METAPHYSICS (Le3)

This seminar course examines problems of metaphysics. Topical investigations may include causation and determinism; necessity and possibility; identity and persistence, including personal identity; essence and essentialism; freedom and agency; ontology; substances and events; realism and antirealism; and the nature of time.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3101(3) and the former PHIL-2261(6).

PHIL-3215(6) PHILOSOPHY AND SOCIAL REALITY (Le3)

This course is an enquiry into the relationship between the individual and society as seen by some historically important Western philosophers. The examination of this relationship discloses the extent to which theories of knowledge, reality, values, and society are interdependent.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3301(6) ARGUMENTATION (Le3)

This course studies the principles and techniques of the critical interpretation and evaluation of argumentation. Topics

studied include normative rules of reasoned discussions useful to resolve conflicts of opinion, and violations of such rules, i.e. informal fallacies and other faults of argumentation.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3304(3) PHILOSOPHY OF LANGUAGE (Le3)

This course focuses on the theory of signs, symbols, and meaning in language. Does meaning lie in a relation between language sign and an object in the world, in an internal state of consciousness, or in the pragmatic context of language use? Attention is given to various kinds and functions of language: descriptive and evaluative discourse, the language of logic and mathematics; and argumentation and reasoning in natural language. Through a study of natural language and computer languages, the course asks what, if anything, is distinctively human in our use of language and other symbols systems.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3304 and the former PHIL-2372.

PHIL-3500(3) PHILOSOPHICAL PERSPECTIVES (Le3)

This course studies historical works by selected philosophers. Each course coherently focuses on an important thinker, a movement or school of thought, their predecessors and historical impact, and with comparisons to other thinkers strikingly similar or opposed in doctrine. The course avoids excessive specialization, but is built around the conviction that one good way to get breadth of philosophical insight is to move deeply into the spirit and world view of the great philosophers. For details on the topic to be studied, please contact the Philosophy Department.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3501(3) PHILOSOPHICAL PERSPECTIVES (Le3)

This course studies historical works by selected philosophers. Each course coherently focuses on an important thinker, a movement or school of thought, their predecessors and historical impact, and with comparisons to other thinkers strikingly similar or opposed in doctrine. The course avoids excessive specialization, but is built around the conviction that one good way to get breadth of philosophical insight is to move deeply into the spirit and world view of the great philosophers. For details on the topic to be studied, please contact the Philosophy Department.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3502(3) HISTORY OF PHILOSOPHY: MEDIEVAL, ARABIC AND HEBRAIC (Le3)

This course examines the medieval Arabic and Hebraic interpretations of Greek thought, and the philosophical dialogue between Islamic and Jewish philosophers, with particular emphasis on questions of the nature of philosophy, politics and theology. Authors include al-Kindi, Averroes, al-Ghazali, ibn Tufayl, Avicenna, al-Farabi and Maimonides.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3504(3) PLATO AND BEFORE (Le3)

Ancient Greek works of speculative and critical thought concerning the nature of reality, truth, beauty, goodness, knowledge, and human existence provide the material for study, with the greatest portion of time spent on the dialogues of Plato.

Students are encouraged to develop their own reflections on fundamental issues in response to the works read.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3504 and the former PHIL-4112.

PHIL-3505(3) ARISTOTLE AND AFTER (Le3)

Aristotle is the dominant figure in this course, but some attention is paid to philosophical developments in the Hellenistic and Medieval periods. This course is normally taken after PHIL-3504 but may be taken by students having some familiarity with the writings of Plato.

PREREQUISITES: A minimum of 12 credit hours in Philosophy. Students who have not taken PHIL-3504 are encouraged to consult with the department prior to registration.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3505 and the former PHIL-4113.

PHIL-3507(3) 17th CENTURY PHILOSOPHY (Le3)

This course is a systematic study of leading philosophical thinkers of the 17th century, such as Descartes, Hobbes, Spinoza, Locke, Leibniz, and Berkeley.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3507 and the former PHIL-4114.

PHIL-3508(3) 18th CENTURY PHILOSOPHY (Le3)

This course is a systematic study of leading philosophical thinkers of the 18th century, such as Burke, Smith, Rousseau, Bentham, and Kant.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3508 and the former PHIL-4115.

PHIL-3509(3) 19th CENTURY PHILOSOPHY (Le3)

This course is a systematic study of leading 19th century European philosophers such as Hegel, Schopenhauer, Feuerbach, Nietzsche, Schiller, and Fichte.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3509 and the former PHIL-4116.

PHIL-3510(3) ANGLO-AMERICAN PHILOSOPHY (Le3)

This course is a systematic study of leading 20th century Anglo-American philosophers such as Moore, Russell, Wittgenstein, Dewey, Carnap, Quine, Brandom, Rorty, McDowell, and Arendt. Topics may include common sense philosophy; logical atomism; logical positivism; logical analysis; Oxford Linguistic Philosophy; pragmatism; and naturalism.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3510 and the former PHIL-4118.

PHIL-3511(3) POSTMODERN PHILOSOPHY (Le3)

This course provides an overview of challenges to the philosophical tradition that developed in the twentieth century, including critiques of traditional notions and theories of epistemological and linguistic certainty, ethical and political normativity and justification, as well as the ideals of reason, truth, and progress.

Thinkers discussed may include: Nietzsche, Heidegger, Kojève, Adorno, Horkheimer, Lyotard, Deleuze, Foucault, Derrida, and Rorty.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3511 and the former PHIL-4119.

PHIL-3512(3) PHILOSOPHY OF MIND (Le3) This course examines key problems and developments in the philosophy of mind. Topics may include the mind-body problem; supervenience and reductionism; the nature of consciousness; theories of reference; subjectivity and self-knowledge; mental content and the nature of intentionality. Issues arising from cognitive science, neuroscience, and artificial intelligence may also be addressed.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

RESTRICTIONS: Students may NOT receive credit for both PHIL-3512 and the former PHIL-4276.

PHIL-3513(3) TOPICS IN ETHICS (Le3)

This course critically examines a moral problem, theory, or theorist. Theorists may include: Plato, Aristotle, Locke, Hume, Mill, Kant, Moore, Anscombe, Nussbaum, Morito. Problems may include: notions of the good life, moral obligation, the scope of the moral community, the is/ought distinction, human rights.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3514(3) TOPICS IN APPLIED ETHICS (Le3)

This course systematically studies a contemporary ethical issue, exploring the ways contemporary philosophers attempt to resolve it. Topics may include: climate change and individual responsibility; entitlements of the poor and obligations of the rich; censorship and freedom of expression; crime and punishment; euthanasia; the right to privacy; employment and medical care; disability rights.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3515(3) TOPICS IN POLITICAL PHILOSOPHY (Le3)

This course critically examines questions in political philosophy, both perennial and contemporary. Authors discussed may include: Plato, Aristotle, Hobbes, Rousseau, Locke, Mill, Marx, Rawls, Nozick, Strauss, Scruton, Taylor, Kymlicka, Turner. Problems may include: When are people a nation? When is a state illegitimate? Do the sovereignty claims of Indigenous Peoples trump those of nation states? What is a social contract? Do citizens have political obligations? Is democracy the only just form of government? Is civil society morally preferable to anarchy? What does justice require of a nation's economic and political institutions? What is the relationship between collective and human rights?

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3516(3) TOPICS IN APPLIED POLITICAL PHILOSOPHY (Le3) This course systematically studies a contemporary political question, exploring the ways philosophers have attempted to answer it. Topics may include: duties of government and citizens; government intervention in the economy, including the collective bargaining process; security rights vs. liberty rights; genocide and state-sponsored terrorism; the treatment of linguistic and ethnic minorities; war and peace. Emphasis will be on the theoretical resources philosophers have available to them in thinking about the ideal society and forms of government.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

HONOURS COURSES

Honours courses are open to all students who have completed a minimum of 15 credit hours in Philosophy, 9 of which must be at the 2000 level or higher, who have maintained a B or better in Philosophy, and who have written permission of the Programme Advisor.

PHIL-4117(3) TOPICS IN CONTINENTAL PHILOSOPHY (S3)

This course is a systematic study of a problem, set of problems, or key figure(s) in contemporary continental philosophy. Possible themes include: the Foucault-Habermas debate; Derrida and/or Levinas' critique of Husserl; problems in contemporary continental ethics; the scope of hermeneutics; phenomenological method; theories of the self. Possible thinkers to be discussed include: Husserl, Heidegger, Gadamer, Habermas, Levinas, Derrida, and Foucault.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

RESTRICTIONS: Students may NOT receive credit for both PHIL-4117 and the former PHIL-4131.

PHIL-4204(3) TOPICS IN MORAL PHILOSOPHY (S3)

This course is a systematic study of a problem or set of problems in contemporary moral philosophy. Possible topics include comparison of normative theories (e.g. deontology, utilitarianism, and virtue ethics), freedom and moral responsibility, relativism, the nature of moral agency, and the nature and justification of moral judgements. The emphasis is on recent debates in moral philosophy; however, some reference is made to the historical roots of contemporary moral problems.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

RESTRICTIONS: Students may NOT receive credit for both PHIL-4204(3) and the former PHIL-4202(6).

PHIL-4266(3) TOPICS IN EPISTEMOLOGY (S3)

This course involves a systematic study of a problem or set of problems in epistemology. Topics may include knowledge and justification; foundationalism and coherentism; perception, introspection, and memory; and skepticism.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

RESTRICTIONS: Students may NOT receive credit for both PHIL-4266(3) and the former PHIL-4265(6).

PHIL-4267(3) TOPICS IN METAPHYSICS (S3)

This course involves a systematic study of a problem or set of problems in metaphysics. Topics may include the nature or categories of being; substance; modality; problems of space and time; and free will.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

RESTRICTIONS: Students may NOT receive credit for both PHIL-4267(3) and the former PHIL-4265(6).

PHIL-4277(3) TOPICS IN ANALYTIC PHILOSOPHY (S3)

This course is the study of a problem or set of problems in contemporary analytic philosophy. It may include works by Frege, Russell, Moore, Wittgenstein, Quine, Davidson, Putnam, and Sellars.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

RESTRICTIONS: Students may NOT receive credit for both PHIL-4277(3) and the former PHIL-4275(6).

PHIL-4501(3) TOPICS IN AESTHETICS (S3)

This course provides a systematic study of a problem or set of problems in philosophical aesthetics. Possible topics include: contemporary theories of art; the nature of beauty; problems in the interpretation of art. In a given year, the course may focus specifically on one art form, such as music, architecture, or film; it may be dedicated to a problem that crosses formal boundaries, such as expression, intention, or authenticity; or it may critically assess the work of a given aesthetic theorist or movement, such as the British 18th century or Formalism; Kant, Collingwood, or Danto.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

PHIL-4502(3) SPECIAL TOPICS HONOURS SEMINAR (S3)

This course provides a forum for the close study of an area of philosophy that may not be covered by our regular course offerings, or that may reflect the current research interests of our faculty. Topics may focus on a particular thinker or movement, a problem in philosophical method, or an emergent area of philosophical debate.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

PHIL-4503(3) TOPICS IN HISTORY OF PHILOSOPHY (S3)

This course involves a detailed critical investigation of a major figure, movement, or period within the history of philosophy, with particular attention to those not covered in the regular courses at the earlier levels. Topics may include, for example, Platonism, Aristotelian commentators, ancient neo-Platonists, 18th century British Empiricism, German Idealism, the Vienna Circle, or a systematic study of a particular thinker.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

PHIL-4504(3) TOPICS IN SOCIAL AND POLITICAL PHILOSOPHY (S3)

This course involves an investigation into contemporary problems or developments in social and political thought. Topics may include: classical political rationalism, Islamic political philosophy, multiculturalism, critiques of liberalism, contemporary Marxist debates, or problems of global justice and human rights. This course may equally concentrate on the work of a major figure, such as Taylor, Habermas, or Weil.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

PHIL-4700(3) DIRECTED INDIVIDUAL STUDY (D)

This course presents senior students with the opportunity for in-depth research and writing in a

specific topic or problem area, selected by the student in consultation with a Faculty Advisor. The student will meet regularly with his/her Advisor to discuss the research in progress, and will submit a substantial paper on the topic at the end of term.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor A preliminary course description must be submitted in writing to the Instructor and Programme Advisor by the end of the first week of term.

RESTRICTIONS: Only one Individual Study course may be taken for degree credit. Students may NOT receive credit for both PHIL-4700(3) and the former PHIL-4900(6) OR PHIL-4901(6).

PHIL-4800(6) HONOURS THESIS (D)

To complete the Honours BA, students must undertake, normally in the final year of their study, a programme of research under the supervision of a member of the department. The thesis provides the student with the opportunity to design and complete an original research project on a subject of interest and relevance to the discipline. Students wishing to enrol in this course must first consult with the departmental Honours Advisor to determine a thesis topic. Submission of the student's final work is followed by an oral examination.

PREREQUISITES: A minimum of 15 credit hours in Philosophy (9 credits at 2000 level or higher); B average or better in Philosophy courses; Written permission of the Programme Advisor

RESTRICTIONS: Students may NOT receive credit for both PHIL-4800(3) and the former PHIL-4900(6) OR PHIL-4901(6).

PHYSICS (PHYS)

Updated July 15, 2013

Note: The department/program code PHYS replaces the former code 38. Students cannot hold credit in PHYS-xxxx and the former 38.xxxx having the same course number (e.g., PHYS-1301(6) and 38.1301(6)).

Chair: D. Vincent; Professors: G. Kunstatter, Associate Professor: D. Vincent, J. Martin, M. Martin, C. Bidinosti; Assistant Professors: Esmat Elhami, Andrew Frey, Blair Jamieson; Instructors: I. Burley, D.G. Campbell, V. Milosevic-Zdjelar.

DEGREES/PROGRAMS OFFERED

3-Year BSc

3-Year BSc (Computational Physics Stream)

3-Year BSc (Radiation Health and Safety Stream)

4-Year BSc

4-Year BSc (Chemical Physics Stream)

4-Year BSc (Computational Physics Stream)

4-Year BSc (Radiation Therapy) – New Program - See Radiation Therapy section of Calendar.

Honours BSc

Honours BSc (Chemical Physics Stream)

Honours BSc (Mathematical Physics Stream)

Honours BSc (Medical Physics Stream)

INTRODUCTION

Physics is the study of nature at its most fundamental level. Its purpose is to formulate theories that accurately account for the behaviour of observed phenomena at all levels, from the microscopic world of the atom to the vast reaches of the universe as a whole. In the process of trying to understand nature, physics often makes surprising discoveries that revolutionize the world. Such discoveries include lasers, the electronic processes underlying today's compact, high-speed computers and the nuclear processes behind medical imaging systems such as MRI's. Even the World Wide Web was developed by particle physicists as a graphics-based communications system to enable them to share information.

A degree in Physics can lead to careers in teaching at the school or university level and research in universities, government labs and high-tech industry. Physicists acquire skills that are also useful in a wide variety of other fields, such as engineering, health sciences and finance. Specialized streams in chemical, mathematical, and computational physics are available for those wanting to pursue studies in one of these cross-disciplinary fields. Students pursuing any 3-year or 4-year BSc in Physics also have the opportunity to take a Business Stream (see the "Science with a Business Stream" section of this Course Calendar).

Those students interested in Engineering may wish to consider the dual degree option offered in conjunction with the University of Minnesota. Under this program a student completes a 3 year BSc Degree at the University of Winnipeg and then can obtain an Engineering degree after two years at the Institute of Technology at the University of Minnesota. Further details are available in the calendar, on the University of Winnipeg's web site, or from the Department of Physics office.

GENERAL INFORMATION

Prerequisites

Note that prerequisites may be waived in some circumstances; please consult the Department Chair.

Course Offerings

PHYS-1301(6) Introduction to Physics does not involve Calculus and is offered for pre-medical, pre-dental, and arts students.

PHYS-1501(6) Modern Technology meets the Science Requirement and is aimed at liberal arts students who seek a qualitative approach to the understanding of current technology.

PHYS-1701(6) Astronomy, **PHYS-2705(6)** Cosmology, and **PHYS-2812(3)** The Physics of Music meet the Science Requirement and are intended for liberal arts students who desire a non-mathematical approach to the understanding of science.

PHYS-2102(3) and PHYS-2103(3) - Scientific Computing I and Computational Physics - provide an introduction to the use of computers in science, and should be useful to anyone interested in gaining practical experience with a variety of programming languages.

Physics Computing Practicum

Every upper-level Physics course (second year and up) will contain a Physics Computing component as part of its normal workload. The purpose of this program is to provide students with problem-solving skills using high level software packages and computer programming languages. All Physics graduates will thereby acquire technical expertise that should prove invaluable in today's world of ever-increasing computerization.

GENERAL 3-YEAR BSc DEGREE REQUIREMENTS

ADMISSION REQUIREMENT	Students must consult with a Department advisor in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours.
Major:	Minimum 18 credit hours.

GENERAL DEGREE REQUIREMENT

Humanities:	Minimum 12 credit hours in Humanities.
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major:	Minimum 33 credit hours/Maximum 48 credit hours in Major subject.
Double major:	33 credit hours in Physics and the specified number of credit hours in the other Department/ program.

GENERAL 4-YEAR BSc DEGREE REQUIREMENTS

ADMISSION REQUIREMENT	Students must consult with a Department advisor in planning their studies.
GRADUATION REQUIREMENT	120 credit hours; that is, 90 credit hours meeting the requirements for the 3-Year BSc plus 30 additional credit hours.
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours.
Major:	Minimum 30 credit hours.
GENERAL DEGREE REQUIREMENT	
Humanities:	Minimum 12 credit hours.
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.

GENERAL HONOURS BSc DEGREE REQUIREMENTS

ADMISSION REQUIREMENT	Students must have completed 30 credit hours. Students must consult and have the approval of the Department Chair or the Chair's designate when planning their studies.
GRADUATION REQUIREMENT	120 credit hours To graduate with a BSc (Honours), students must have a minimum GPA of 3.0 on all major (Physics) courses which will be calculated on all course attempts in the major, and a minimum GPA of 2.75 on all non-major courses which will be calculated as for the general degree.
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours.
Major:	Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 12 credit hours are at the 4000 level.
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
HONOURS REQUIREMENT	
Single Honours:	Minimum 60 credit hours in the Major subject. Minimum 30 credit hours in upper-level (3000 and 4000) Honours subject courses of which a minimum of 12 credit hours must be at the 4000 level.

REQUIREMENTS FOR A 3-YEAR BSc IN PHYSICS

MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours/Maximum 48 credit hours.
Double Major:	33 or 36 credit hours in each Major subject or program, as specified.
Required courses:	
MATH-1101(6)	Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II

PHYS-1101(6)	Foundations of Physics I (Minimum 2.0 GPA, C)
PHYS-2105(3)	Mathematical Physics I
PHYS-2106(3)	Mathematical Physics II
PHYS-2201(6)	Electricity & Magnetism
PHYS-2302(6)	Foundations of Physics II
PHYS-3301(6)	Quantum Mechanics I
PHYS-3901(3)	Intermediate Physics Laboratory

A minimum of 3 credit hours from the following:

PHYS-2102(3)	Scientific Computing I
PHYS-2103(3)	Computational Physics
PHYS-3202(3)	Classical Mechanics I
PHYS-3203(3)	Classical Mechanics II
PHYS-3402(3)	Thermal Physics I
PHYS-3403(3)	Thermal Physics II
PHYS-4201(6)	Electromagnetic Theory
PHYS-4302(3)	Condensed Matter Physics
PHYS-4303(3)	Subatomic Physics
PHYS-4501(6)	Introduction to General Relativity
PHYS-4601(6)	Quantum Mechanics II

Recommended: Students are advised to include courses in the areas of Calculus and Differential Equations a part of their degree program. Students are advised to consult with the Department Chair before entering Year 2 of their studies.

Combined Major: Minimum of 48 credit hours from two (2) different majors with not less than 18 credit hour from each major subject.

Prescribed courses: Required courses depend on the second major area and will be determined in consultation with the department.

REQUIREMENTS FOR A 3-YEAR BSc (COMPUTATIONAL PHYSICS STREAM)

Single Major: Minimum 66 credit hours in Applied Computer Science, Mathematics, and Physics, as per required course list.

Required Courses (36 credit hours):

MATH-1101(6) Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II

PHYS-1101(6)	Foundations of Physics I
PHYS-2102(3)	Scientific Computing I
PHYS-2103(3)	Computational Physics
PHYS-2105(3)	Mathematical Physics I
PHYS-2106(3)	Mathematical Physics II
PHYS-2201(6)	Electricity and Magnetism
PHYS-2302(6)	Foundations of Physics II

Plus either

ACS-1903(3)	Programming Fundamentals I and
ACS-1904(3)	Programming Fundamentals II

OR

ACS-1905(3)	Programming Fundamentals and
ACS-2947(3)	Data Structures and Algorithms

Plus at least 6 credit hours from

PHYS-3202(3)	Classical Mechanics I
PHYS-3203(3)	Classical Mechanics II
PHYS-3301(6)	Quantum Mechanics I
PHYS-3402(3)	Thermal Physics I
PHYS-3403(3)	Thermal Physics II
PHYS-3901(3)	Intermediate Physics Laboratory
PHYS-4302(3)	Condensed Matter Physics
PHYS-4303(3)	Nuclear Physics
PHYS-4501(6)	Introduction to General Relativity
PHYS-4901(3)	Advanced Physics Laboratory

Plus at least 18 credit hours selected from

MATH-3701(3) Numerical Methods

Any courses from the Applied Computer Science 4-year B. Sc. Group I or Group II electives

REQUIREMENTS FOR THE 3 YEAR BSc (RADIATION HEALTH AND SAFETY)

MAJOR REQUIREMENT: Minimum of 60 Credit Hours as per the courses listed below.

Required:

MATH-1101(6)	Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II
BIOL-1112(6)	Human Anatomy and Physiology
STAT-1501(3)	Elementary Biological Statistics I
PHYS-1101(6)	Foundations of Physics I
PHYS-2102(3)	Scientific Computing I
PHYS-2201(6)	Electricity and Magnetism
PHYS-2302(6)	Foundations of Physics II
PHYS-2510(3)	Radiation Biology (CancerCare course)
PHYS-2540(3)	Radiation Protection and Health Physics (CancerCare course)
PHYS-3901(3)	Intermediate Physics Laboratory

Plus at least 15 credit hours selected from

PHYS-2105(3)	Mathematical Physics I
PHYS-2106(3)	Mathematical Physics II
PHYS-2103(3)	Computational Physics
PHYS-2502(3)	Radiation and the Environment
PHYS-2503(3)	Medical Imaging
PHYS-2520(3)	Physics of Radiation Therapy (CancerCare course)
CCMB-2530(3)	Industrial, Therapy, and Imaging Apparatus (CancerCare course)
PHYS-3301(6)	Quantum Mechanics I
PHYS-3402(3)	Thermal Physics I
PHYS-3403(3)	Thermal Physics II
PHYS-3220(3)	Medical Physics and Physiological Measurement (U of M course)
STAT-2001(3)	Elementary Biological Statistics II

Note: The "CCMB" department code indicates the course is taught through CancerCare Manitoba.

REQUIREMENTS FOR A 4-YEAR BSc IN PHYSICS

MAJOR REQUIREMENT

Single Major:	Minimum 54 credit hours/ Maximum 78 credit hours.
Double Major:	Minimum 54 credit hours in Physics and specified number of credit hours in the other Major.

Required courses:

MATH-1101(6)	Introduction to Calculus
PHYS-1101(6)	Foundations of Physics I (Minimum 2.0 GPA, C)
PHYS-2105(3)	Mathematical Physics I
PHYS-2106(3)	Mathematical Physics II
PHYS-2201(6)	Electricity & Magnetism
PHYS-2302(6)	Foundations of Physics II
PHYS-3301(6)	Quantum Mechanics I
PHYS-3901(3)	Intermediate Physics Laboratory
PHYS-4601(6)	Quantum Mechanics II
PHYS-4901(3)	Advanced Physics Laboratory

A minimum of 12 credit hours from:

PHYS-3202(3)	Classical Mechanics I
PHYS-3203(3)	Classical Mechanics II
PHYS-3402(3)	Thermal Physics I
PHYS-3403(3)	Thermal Physics II
PHYS-4201(6)	Electromagnetic Theory
PHYS-4302(3)	Condensed Matter Physics
PHYS-4303(3)	Subatomic Physics
PHYS-4501(6)	Introduction to General Relativity

Students must complete a special registration form available from the Department Chair before registering for the 66th credit hour.

Combined Major: Minimum of 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.

Prescribed courses: Required courses depend on the second major area and will be determined in consultation with the department.

REQUIREMENTS FOR A 4-YEAR BSc (CHEMICAL PHYSICS STREAM)

MAJOR REQUIREMENT

Single Major: Minimum 96 credit hours in Chemistry, Mathematics and Physics as per Required Courses list.

CHEM-1111(3)	Introduction to the Chemical Properties of Matter
CHEM-1112(3)	Basic Principles of Chemical Reactivity
CHEM-2102(3)	Thermodynamics and Kinetics
CHEM-2103(3)	Atoms, Molecules and Spectroscopy
CHEM-2401(3)	Inorganic Chemistry I
CHEM-3101(3)	Physical Chemistry of Condensed Phases
CHEM-3102(3)	Quantum Chemistry and Spectroscopy
CHEM-4101(3)	Molecular Structure, Spectroscopy and Reactivity
MATH-1101(6)	Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II

MATH-1201(3)	Linear Algebra I
MATH-2102(3)	Differential Equations I
PHYS-1101(6)	Foundations of Physics I
PHYS-2201(6)	Electricity and Magnetism
PHYS-2302(6)	Foundations of Physics II
PHYS-3301(6)	Quantum Mechanics I
PHYS-3901(3)	Intermediate Physics Laboratory
PHYS-4601(6)	Quantum Mechanics II

Plus at least 3 credit hours selected from:

CHEM-2202(3)	Organic Chemistry I
CHEM-2203(3)	Organic Chemistry II
CHEM-2302(3)	Quantitative Chemical Analysis
CHEM-3401(3)	Inorganic Chemistry II: Coordination and Organometallic Chemistry

Plus 12 credit hours selected from the following:

PHYS-3202(3)	Classical Mechanics I
PHYS-3203(3)	Classical Mechanics II
PHYS-3402(3)	Thermal Physics I
PHYS-3403(3)	Thermal Physics II
PHYS-4302(3)	Condensed Matter Physics
PHYS-4303(3)	Subatomic Physics
PHYS-4001(6)	Honours Thesis

Plus 12 credit hours selected from the following:

PHYS-2102(3)	Scientific Computing I
PHYS-2103(3)	Computational Physics
PHYS-2105(3)	Mathematical Physics I
PHYS-2106(3)	Mathematical Physics II
MATH-2801(6)	Fundamentals of Computing
MATH-2105(3)	Intermediate Calculus I
MATH-2106(3)	Intermediate Calculus II
MATH-2103(3)	Differential Equations II
MATH-2203(3)	Linear Algebra

REQUIREMENTS FOR A 4-YEAR BSc (COMPUTATIONAL PHYSICS STREAM)

MAJOR REQUIREMENT

Single Major: Minimum 96 credit hours in Applied Computer Science, Mathematics and Physics as per Required Courses list.

Required Courses (45 credit hours):

MATH-1101(6)	Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II
PHYS-1101(6)	Foundations of Physics I
PHYS-2102(3)	Scientific Computing I
PHYS-2103(3)	Computational Physics
PHYS-2201(6)	Electricity and Magnetism
PHYS-2302(6)	Foundations of Physics II
PHYS-3301(6)	Quantum Mechanics I
PHYS-3901(3)	Intermediate Physics Laboratory
PHYS-4601(6)	Quantum Mechanics II

Plus either

ACS-1903(3)	Programming Fundamentals I and
ACS-1904(3)	Programming Fundamentals II

OR

ACS-1905(3)	Programming Fundamentals and
ACS-2947(3)	Data Structures and Algorithms

Plus

PHYS-2105(3) Mathematical Physics I and
PHYS-2106(3) Mathematical Physics II

Plus at least 12 credit hours selected from

PHYS-3202(3) Classical Mechanics I
PHYS-3203(3) Classical Mechanics II
PHYS-3402(3) Thermal Physics I
PHYS-3403(3) Thermal Physics II
PHYS-4001(6) Honor's thesis
PHYS-4302(3) Condensed Matter Physics
PHYS-4303(3) Nuclear Physics
PHYS-4501(6) Introduction to General Relativity
PHYS-4901(3) Advanced Physics Laboratory

Plus at least 27 credit hours selected from

MATH-3701(3) Numerical Methods
PHYS-2804(3) Introduction to Digital Systems

Any courses from the Applied Computer Science 4 year B. Sc. Group I or Group II electives

REQUIREMENTS FOR THE 4 YEAR BSc (RADIATION THERAPY)

Radiation Therapy is a new program. Please see the "Radiation Therapy" section of the Course Calendar.

REQUIREMENTS FOR AN HONOURS BSc IN PHYSICS

HONOURS REQUIREMENT

Single Honours:

Minimum 72 credit hours in the Major subject.

Minimum 30 credit hours in upper-level (3000 and 4000) Honours subject courses of which a minimum of 12 credit hours must be at the 4000-level.

Required courses:

MATH-1101(6) Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II

MATH-2105(3) Intermediate Calculus 1
MATH 2106(3) **Intermediate Calculus 2**
PHYS-1101(6) Foundations of Physics I
PHYS-2201(6) Electricity & Magnetism
PHYS-2105(3) Mathematical Physics I
PHYS-2106(3) Mathematical Physics II
PHYS-2302(6) Foundations of Physics II
PHYS-3202(3) Classical Mechanics I
PHYS-3203(3) Classical Mechanics II
PHYS-3301(6) Quantum Mechanics I
PHYS-3901(3) Intermediate Physics Laboratory
PHYS-4001(6) Honours Thesis
PHYS-4601(6) Quantum Mechanics II
PHYS-4901(3) Advanced Physics Laboratory

Plus 18 credit hours from:

PHYS-2102(3) Scientific Computing I
PHYS-2103(3) Computational Physics
PHYS-3402(3) Thermal Physics I
PHYS-3403(3) Thermal Physics II
PHYS-4201(6) Electromagnetic Theory
PHYS-4302(3) Condensed Matter Physics
PHYS-4303(3) Subatomic Physics
PHYS-4501(6) Introduction to General Relativity

In addition to the above, students must select a further 6 credit hours in Mathematics and 6 credit hours from Biology and/or Chemistry excluding **BIOL-1102(6)** Biology and Human Concerns and **CHEM-2801(6)** Chemistry and Society.

If necessary, alternate Mathematics or Physics courses can be substituted with written permission from the Department of Physics.

REQUIREMENTS FOR THE HONOURS BSc (CHEMICAL PHYSICS STREAM)

HONOURS REQUIREMENT

Single Honours: Minimum 96 credit hours in Chemistry, Mathematics and Physics as per Required Courses list.

Required courses:

CHEM-1111(3)	Introduction to the Chemical Properties of Matter
CHEM-1112(3)	Basic Principles of Chemical Reactivity
CHEM-2102(3)	Thermodynamics and Kinetics
CHEM-2103(3)	Atoms, Molecules and Spectroscopy
CHEM-2401(3)	Inorganic Chemistry I
CHEM-3101(3)	Physical Chemistry of Condensed Phases
CHEM-3102(3)	Quantum Chemistry and Spectroscopy
CHEM-4101(3)	Molecular Structure, Spectroscopy and Reactivity
MATH-1101(6)	Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II
MATH-1201(3)	Linear Algebra I
MATH-2102(3)	Differential Equations I
PHYS-1101(6)	Foundations of Physics I
PHYS-2201(6)	Electricity and Magnetism
PHYS-2302(6)	Foundations of Physics II
PHYS-3301(6)	Quantum Mechanics I
PHYS-3901(3)	Intermediate Physics Laboratory
PHYS-4001(6)	Honours Thesis
PHYS-4601(6)	Quantum Mechanics II

Plus at least 3 credit hours selected from:

CHEM-2201(3)	Organic Chemistry I
CHEM-2203(3)	Organic Chemistry II
CHEM-2302(3)	Quantitative Chemical Analysis
CHEM-3401(3)	Inorganic Chemistry II: Coordination and Organometallic Chemistry

Plus 6 credit hours selected from the following:

PHYS-3202(3)	Classical Mechanics I
PHYS-3203(3)	Classical Mechanics II
PHYS-3402(3)	Thermal Physics I
PHYS-3403(3)	Thermal Physics II
PHYS-4302(3)	Condensed Matter Physics
PHYS-4303(3)	Subatomic Physics

Plus 12 credit hours selected from the following:

PHYS-2102(3)	Scientific Computing I
PHYS-2103(3)	Computational Physics
PHYS-2105(3)	Mathematical Physics I
PHYS-2106(3)	Mathematical Physics II
MATH-2801(6)	Fundamentals of Computing
MATH-2105(3)	Intermediate Calculus 1
MATH-2106(3)	Intermediate Calculus 2
MATH-2103(3)	Differential Equations II
MATH-2203(3)	Linear Algebra

If necessary, alternate Mathematics or Physics courses can be substituted with written permission from the Department of Physics.

REQUIREMENTS FOR THE HONOURS BSc (MATHEMATICAL PHYSICS STREAM)

HONOURS REQUIREMENT

Single Honours: Minimum 66 credit hours in Physics and 30 credit hours in Mathematics.

Required courses (75 credit hours):

MATH-1101(6)	Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II
MATH-1201(3)	Linear Algebra I
MATH-2105(3)	Intermediate Calculus 1
MATH-2106(3)	Intermediate Calculus 2
MATH-2102(3)	Differential Equations I
MATH-2103(3)	Differential Equation II
MATH-2203(3)	Linear Algebra II
PHYS-1101(6)	Foundations of Physics I
PHYS-2105(3)	Mathematical Physics I
PHYS-2106(3)	Mathematical Physics II
PHYS-2201(6)	Electricity and Magnetism
PHYS-2302(6)	Foundations of Physics II
PHYS-3301(6)	Quantum Mechanics I
PHYS-3901(3)	Intermediate Physics Laboratory

PHYS-4001(6) Honours Thesis
PHYS-4201(6) Electromagnetic Theory
PHYS-4601(6) Quantum Mechanics II

Plus at least 6 credit hours selected from:

MATH-1401(3) Discrete Mathematics
MATH-3101(6) Advanced Calculus and Analysis
MATH-3202(3) Group Theory
MATH-3402(3) Combinatorics
MATH-3701(3) Numerical Methods
MATH-4101(3) Complex Analysis
MATH-4403(3) Set Theory
MATH-4601(3) Introduction to Topology and Analysis
MATH-4604(3) Introduction to Differential Geometry

Plus at least 15 credit hours selected from:

PHYS-3202(3) Classical Mechanics I
PHYS-3203(3) Classical Mechanics II
PHYS-3103(3) Special Topics in Physics
PHYS-3402(3) Thermal Physics I
PHYS-3403(3) Thermal Physics II
PHYS-4302(3) Condensed Matter Physics
PHYS-4303(3) Subatomic Physics
PHYS-4501(6) Introduction to General Relativity
PHYS-4901(3) Advanced Physics Laboratory

If necessary, alternate Mathematics or Physics courses can be substituted with written permission from the Department of Physics.

REQUIREMENTS FOR THE HONOURS BSc (MEDICAL PHYSICS)

HONOURS REQUIREMENT: Minimum of 84 Credit Hours as per the courses listed below.

Required courses:

BIOL-1112(6) Human Anatomy and Physiology
STAT-1501(3) Elementary Biological Statistics I
MATH-1101(6) Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II
PHYS-1101(6) Foundations of Physics I
PHYS-2201(6) Electricity & Magnetism I
PHYS-2105(3) Mathematical Physics I
PHYS-2106(3) Mathematical Physics II
PHYS-2102(3) Scientific Computing I
PHYS-2302(6) Foundations of Physics II
PHYS-3103(3) Mechanics I
PHYS-3301(6) Quantum Mechanics I
PHYS-3901(3) Intermediate Physics Laboratory
PHYS-4001(6) Honours Thesis
PHYS-4601(6) Quantum Mechanics II
PHYS-4901(3) Advanced Physics Laboratory

Plus at least 15 credit hours from:

PHYS-2502(3) Radiation and the Environment
PHYS 2503(3) Medical Imaging
PHYS-2103(3) Computational Physics
PHYS-3104(3) Mechanics II
PHYS 3220(3) Medical Physics and Physiological Measurement (given through the University of Manitoba)
PHYS-4302(3) Condensed Matter Physics
PHYS-4303(3) Subatomic Physics
PHYS-4501(6) Introduction to General Relativity
PHYS-4201(6) Electromagnetic Theory
STAT-2001(3) Elementary Biological Statistics II

Strongly recommended electives:

BIOL-1115(3) Cells and Cellular Processes
BIOL-3202(3) Histology

COURSE LISTINGS

PHYS-1005(6)	Concepts in Science	PHYS-2540(3)	Radiation Protection & Health Physics
PHYS-1101(6)	Foundations of Physics I	PHYS-2705(6)	Cosmology: Science Fact to Science Fiction
PHYS-1301(6)	Introduction to Physics	PHYS-2812(3)	The Physics of Music
PHYS-1701(6)	Astronomy	PHYS-3103(3)	Special Topics in Physics
PHYS-2102(3)	Scientific Computing	PHYS-3202(3)	Classical Mechanics I
PHYS-2103(3)	Computational Physics	PHYS-3203(3)	Classical Mechanics II
PHYS-2105(3)	Mathematical Physics I	PHYS-3301(6)	Quantum Mechanics I
PHYS-2106(3)	Mathematical Physics II	PHYS-3402(3)	Thermal Physics I
PHYS-2110(3)	Statics	PHYS-3403(3)	Thermal Physics II
PHYS-2201(6)	Electricity and Magnetism	PHYS-3901(3)	Intermediate Physics Laboratory
PHYS-2302(6)	Foundations of Physics II	PHYS-4001(6)	Honours Thesis
PHYS-2502(3)	Radiation and the Environment	PHYS-4201(6)	Electromagnetic Theory
PHYS-2503(3)	Medical Imaging	PHYS-4302(3)	Condensed Matter Physics
PHYS-2510(3)	Radiation Biology	PHYS-4303(3)	Subatomic Physics
PHYS-2520(3)	Physics of Radiation Therapy	PHYS-4501(6)	Introduction to General Relativity
PHYS-2530(3)	Industrial, Therapy & Imaging Apparatus	PHYS-4601(6)	Quantum Mechanics II
		PHYS-4901(3)	Advanced Physics Laboratory

COURSE DESCRIPTIONS

As some senior courses are offered only in alternate years, students are advised to consult WebAdvisor or the Timetable.

PHYS-1005(6) CONCEPTS IN SCIENCE (Le6) This course explores science at a qualitative level from this interdisciplinary viewpoint, with an aim to foster scientific literacy and develop critical thinking skills that are so crucial in today's society. Topics are drawn from biology, chemistry, geography, and physics, and range from the large - the universe, the earth, and ecosystems - to the small - cells, molecules, and atoms. Emphasis is placed on the unifying concepts running through such diversity, with activities and demonstrations forming an integral component. The course fulfills the Science requirement.

CROSS-LISTED: BIOL-1005(6) and MULT-1005(6)

PHYS-1101(6) FOUNDATIONS OF PHYSICS I (Le3, La3)

This calculus-based course provides students with a working knowledge of the basic concepts underlying modern physics. Topics covered include the following: Introduction to Newtonian mechanics with special emphasis on the principles of conservation (i.e., energy and momentum); applications of Newtonian mechanics, including the simple harmonic oscillator and harmonic waves on a string; gravity theory, including planetary/satellite motion, escape velocity, gravity as curved spacetime and black holes; postulates of special relativity and their consequences; geometric optics applied to mirrors, lenses, and optical instruments; electromagnetic phenomena, including interference and diffraction; quantum behaviour, wave-particle duality, the uncertainty principle, atomic physics with applications to the laser. This course is intended primarily for Physics majors but is also useful preparation for entrance exams for professional programs.

PREREQUISITES: Physics 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

COREQUISITE: MATH-1101(6) OR the equivalent MATH-1103(3) AND MATH-1104 (3)

PHYS-1301(6) INTRODUCTION TO PHYSICS (Le3, La3)

This is a non-calculus course intended for pre-medical, pre-dental, and arts students. Topics include the following: mechanics, electric and magnetic fields, electric circuits, light, optics, Bohr theory, radioactivity, and nuclear reactions.

PREREQUISITES: Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

Note: In order for a student with credit in course PHYS-1301(6) to proceed to further courses in Physics he/she must have (a) permission of the Department and (b) standing in Mathematics MATH-1101(6) OR the equivalent MATH-1103(3) AND MATH-1104 (3), OR MATH-1102(3).

PHYS-1701(6) ASTRONOMY (Le3) This course is a science elective intended for the liberal arts student. There is no formal laboratory, but there will be periodic observations and demonstrations. The topics include the following: stellar astronomy and stellar evolution, the solar system and its evolution, galaxies, and theories of the universe. There will also be an introductory treatment of the composition of matter, the nature of light, the principles of optics, and the operation of telescopes and auxiliary instruments. This course fulfills the Science Requirement.

PHYS-2102(3) SCIENTIFIC COMPUTING I (Le3) Many problems arising in science are too difficult to solve analytically, and thus require some form of computer-based analysis. Using the language of C/C++, this course introduces the most common programming constructs used in scientific computing. The critical importance of data structures to represent information is emphasized, which naturally leads to an object-oriented approach to problem-solving. The use of external libraries, such as those for numerical analysis, to solve more advanced problems are explored, with attention paid to checks that can be made on the reliability of the results.

PREREQUISITE: None. However, experience with elementary computer programming languages is strongly recommended.

CROSS-LISTED: ACS-2102(3)

PHYS-2103(3) COMPUTATIONAL PHYSICS (Le3) This course introduces methods to construct and analyze models of various complex systems. The visual insight gained into the behaviour of such models through the use of graphic techniques will play a significant role. An emphasis is placed on the universal computational features found in large classes of physical models, such as chaotic behaviour, fractal nature, and the existence of phase transitions of different types. The use of models to simulate complicated temporal and spatial interactions is also explored. Physics-related examples may be drawn from both the life and physical sciences. Although no

mathematics prerequisite is required, comfort with basic algebra is assumed.

PREREQUISITE: None

STRONGLY RECOMMENDED: Have some knowledge in Introductory Calculus.

PHYS-2105(3) MATHEMATICAL PHYSICS I (Le3) This course provides a study of mathematical techniques commonly used in Physics. Topics covered include vector calculus, coordinate systems, complex variables, distributions, and introductory matrix algebra. The companion course Mathematical Physics II continues this study with further areas of interest. The MAPLE symbolic algebra computer program is introduced and then used throughout the course.

RESTRICTIONS: Students who have obtained credit in the former PHYS-2104(6) may not receive credit for this course.

PREREQUISITE: PHYS-1101(6), MATH-1101(6) OR the equivalent MATH-1103(3) AND MATH-1104 (3)

PHYS-2106(3) MATHEMATICAL PHYSICS II (Le3) This course, which is a companion course to Mathematical Physics I, is a study of mathematical techniques commonly used in Physics. Topics covered include diagonalization of complex matrices, Fourier analysis, ordinary and partial differential equations, and special functions. The MAPLE symbolic algebra computer program is used throughout the course.

RESTRICTIONS: Students who have obtained credit in the former PHYS-2104(6) may not receive credit for this course.

PREREQUISITE: PHYS-1101(6), MATH-1101(6) OR the equivalent MATH-1103(3) AND MATH-1104 (3)

PREREQUISITE: PHYS-2105(3), or permission of the department

PHYS-2110(3) STATICS (Le3) This course provides an introduction to systems in static equilibrium. Topics covered include statics of particles, equivalent systems of forces, equilibrium of rigid bodies, centroids and centers of gravity, and analysis of complicated structures.

PREREQUISITE: PHYS-1101(6), MATH-1101(6) OR the equivalent MATH-1103(3) AND MATH-1104 (3)

PHYS-2201(6) ELECTRICITY AND MAGNETISM (Le3, La3) Electrostatics, DC circuits, magnetic effects of a current, electromagnetic induction, properties of dielectric and magnetic materials, elements of AC circuit theory.

PREREQUISITE: PHYS-1101(6), MATH-1101(6).

COREQUISITE: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3) to be taken concurrently .

PHYS-2302(6) FOUNDATIONS OF PHYSICS II (Le3, La3) This course contains a series of topics in physics which together with Foundations of Physics I, provide students with a broad understanding of physics. Topics include the following: rotation of rigid bodies, angular momentum, fluid mechanics, thermodynamics, special relativity, quantum mechanics, atomic physics, solid state physics, and nuclear physics.

PREREQUISITE: PHYS-1101(6), MATH-1101(6) OR the equivalent MATH-1103(3) AND MATH-1104 (3)

PHYS-2502(3) RADIATION AND THE ENVIRONMENT (Le3, La3) This course provides an overview of radiation in the environment and its effects on materials and living systems. Topics will include x-rays, ultraviolet, visible, infrared, microwave and radio-frequency emissions, acoustical and ultrasonic radiation, and alpha, beta and gamma radiation from radioactive source. Emphasis will be

place on the applications of radiation in the real world, including health and environmental issues.

PREREQUISITE: Any core laboratory course in Biology, Chemistry, or Physics.

PHYS-2503(3) MEDICAL IMAGING This course is an introduction to medical techniques, such as ultrasound, x-rays, CT scans, MRIs, and PET scans. The basics of how each technique works as well as what causes contrast in the images will be explored, both qualitatively and quantitatively, using simple algebra and trigonometry. The suitability of each technique for imaging specific medical problems will be discussed.

PREREQUISITE: Any core laboratory course in Biology, Chemistry, or Physics.

PHYS-2510(3) RADIATION BIOLOGY This course deals with the fundamentals of radiation biology and focuses on the effects of radiation at a cellular and molecular level. The theory of radiation biology is examined at the cellular level and applied to the clinical impact on patients. Radiation biology gives us insight into ways to exploit cellular differences in healthy cells so as to increase the likelihood of tumor eradication. The theory of how radiation interacts with cells and tissues, what impact radiation has on organisms and the radiation patient, and how to best achieve our treatment goals are all examined in this lecture based course.

PREREQUISITE: PHYS 2520 (or permission of instructor)

PHYS-2520(3) PHYSICS OF RADIATION THERAPY This series of lectures is designed to provide the student radiation therapist with a fundamental understanding of the physical nature of both photons and electrons and specifically the manner in which they interact with an absorbing/scattering medium. The concepts presented in this series will enhance the student's ability to make decisions regarding clinical radiation therapy treatments.

PREREQUISITE: PHYS 1301

COREQUISITE: CCMB 2903 (or permission of instructor), PHYS 2530

PHYS-2530(3) INDUSTRIAL, THERAPY & IMAGING APPARATUS This course introduces the student to the principles of operation of radiation therapy simulation and treatment equipment. It focuses on design of equipment, physical processes involved in equipment operation and radiological imaging processes. Practical reinforcements of principles is provided in a lab setting.

PREREQUISITES: PHYS 1301, BIOL 1112

COREQUISITES: CCMB 2903 (or permission of instructor), PHYS 2520

PHYS-2540(3) RADIATION PROTECTION & HEALTH PHYSICS

This course builds on Industrial, Therapy & Imaging Apparatus, including the fundamental concepts used to minimize risk when working with sources of ionizing radiation, with emphasis on the application of these concepts to radiation therapy. Topics covered include: types and sources of radiation, radiation quantities and units, biological effects and potential risk, basic principles of protection, regulation and dose limits, methods of dose monitoring, and application in radiation therapy.

PREREQUISITE: CCMB 2904 (or permission of instructor), PHYS 2530

PHYS-2705(6) COSMOLOGY: SCIENCE FACT TO SCIENCE FICTION (Le3) This course gives an introduction to the scientific study of the universe as a whole. It encompasses a description of astronomical phenomena on the very largest scales and a description of quantum physics on the very smallest scales. The most recent discoveries in physics will be discussed and applied to cosmological models that vary from

the well-supported to the speculative. Modern aspects of physics, not usually encountered in elementary physics courses, will be covered. These topics include the following: the standard scenario for early universe evolution; the triumph of big bang cosmology; the hierarchical nature of galaxy formation and clustering; the speed-of-light constraint on space travel and communication; the paradoxical nature of quantum physics; the existence of antimatter; the success of the Special Theory of Relativity; the description of gravity using Einstein's General Theory of Relativity; the characteristics of neutron stars, black holes, wormholes, cosmic strings and other astrophysical oddities; and the logic of spacetime topology of higher dimensions, of parallel universes, and of time travel. Finally, the course will consider how human beings and extraterrestrial lifeforms fit into the overall scheme of things. Throughout, reference will be made to how certain aspects of these topics have been incorporated (correctly and incorrectly) into science-fiction books, television shows, and movies. Although the subjects discussed will be conceptually sophisticated, the presentation will require minimal mathematical knowledge. This course fulfils the Science Requirement.

PHYS-2812(3) THE PHYSICS OF MUSIC (Le3) This course is an introduction to the physical underpinnings of the production, propagation and perception of the sounds that we interpret as music. After an overview of the fundamentals of both physics and music, we explore the nature and propagation of sound waves, the meaning of pure tones, and the question of how pure tones combine to form the harmonious complex waveforms produced by various musical instruments. Other topics include the workings of the human ear, and basic elements of concert hall acoustics. Finally, by studying elements of "fractal music", we examine some issues surrounding the question of what "is" music, compared to, say, a random collection of sounds.

PREREQUISITE: Students must have first-year standing in order to enrol in this course.

PHYS-3103(3) SPECIAL TOPICS IN PHYSICS (SV3) This course examines a topic in physics chosen to meet student needs. The topic will vary from year to year. Please consult the Physics Department for the current topic.

PREREQUISITE: Permission of the department.

PHYS-3202(3) CLASSICAL MECHANICS I This course is a three dimensional vector treatment of Newtonian particle dynamics with an emphasis on conservation principles. Topics will include advanced problems in dynamics, including friction, rotation of rigid bodies and moments of inertia, and damped and forced oscillations.

PREREQUISITES: PHYS-1101(6), MATH-1101(6) OR the equivalent MATH-1103(3) AND MATH-1104(3)

STRONGLY RECOMMENDED: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

RESTRICTIONS: Students who have obtained credit in PHYS-3102(6) may not receive credit in this course.

PHYS-3203(3) CLASSICAL MECHANICS II This course is a continuation of the treatment of classical mechanics contained in PHYS-3202(3). Topics will include rotation of rigid bodies, central force fields, especially gravity, and Kepler's laws, small vibrations, and normal modes. As well, the Lagrange and Hamiltonian formalisms will be introduced, including that involving constraints.

PREREQUISITES: PHYS-1101(6), PHYS-3202(3)

STRONGLY RECOMMENDED: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

RESTRICTIONS: Students who have obtained credit in PHYS-3102(6) may not receive credit in this course.

PHYS-3301(6) QUANTUM MECHANICS I (Le3) This course covers the following topics: special relativity, statistical distributions, wave properties of matter, quantum operators, probabilistic interpretation of wave-functions, and applications of the Schrodinger equation, including the treatment of the harmonic oscillator.

PREREQUISITE: PHYS-2302(6).

RECOMMENDED: Mathematics MATH-2102(3)

STRONGLY RECOMMENDED: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

PHYS-3402(3) THERMAL PHYSICS I (Le3) This course introduces the standard concepts of classical thermodynamics. It also prepares the student for a quantum statistical approach to what fundamentally underlies these laws of thermodynamics. Topics include the absolute temperature scale, heat, work internal energy, entropy, Carnot engines, as well as the three laws of thermodynamics. Elementary concepts in probability and statistics and the Boltzmann Hypothesis are also discussed.

COREQUISITE: PHYS-3301(6).

PHYS-3403(3) THERMAL PHYSICS II (Le3) This course develops the standard methodology of statistical mechanics which strives to derive all of the classical results of thermodynamics through quantum statistical analysis. Topics included are the microcanonical ensemble, the canonical ensemble, Boltzmann's Distribution, as well as the quantum mechanical description of heat and work. Other more advanced topics in statistical mechanics are discussed depending on time.

PREREQUISITE: PHYS-3402(3).

COREQUISITE: PHYS-3301(6).

PHYS-3901(3) INTERMEDIATE PHYSICS LABORATORY (La3 both terms) This course introduces students to instrumentation in the areas of atomic and nuclear physics. Students will set up and conduct several experiments as well as formulate and present reports on their work.

PREREQUISITE: PHYS-2302(6)

RESTRICTIONS: Students who have obtained credit in PHYS-3301(6) prior to September 2001 are **not** permitted to take this course.

PHYS-4001(6) HONOURS THESIS (P) This course is normally taken in the final year of the honours program. Students will undertake a research program in experimental or theoretical physics under the supervision of a faculty member. An essential component of the course is the oral and written presentation of the results. Students must consult with the Department Chair and the prospective supervisor before enrolling.

PREREQUISITE: Permission of the Department.

PHYS-4201(6) ELECTROMAGNETIC THEORY (Le3) This course will develop Maxwell's equations and apply them to problems of conductors, dielectrics, and magnetic materials.

PREREQUISITES: PHYS-2201(6); Mathematics MATH-2101(6).

STRONGLY RECOMMENDED: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

PHYS-4302(3) CONDENSED MATTER PHYSICS (Le3) This course deals with the physics resulting from assembling a very large number of atoms to form a macroscopic piece of a solid. The main topics are: ordering of atoms to form crystal structures, and how the crystal structures vibrate; electronic characteristics of solid insulators, semiconductors and metals; magnetic properties of solids; and how defects significantly modify the physical characteristics of solids.

COREQUISITE: PHYS-3301(6).

PREREQUISITES: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

RESTRICTIONS: Students who have obtained credit in the former PHYS-4301(6) may not receive credit for this course.

PHYS-4303(3) SUBATOMIC PHYSICS (Le3) In this course students are introduced to the very small world of the nucleus. First nuclear properties are reviewed, and then various models for forces between nucleons are presented. Radioactive decay/nuclear reactions and detectors are considered. Various applications of nuclear physics are discussed in the areas of power plants, condensed matter physics, and medical physics. Particle physics is considered to the extent that time permits.

COREQUISITE: PHYS-3301(6).

PREREQUISITES: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

RESTRICTIONS: Students who have obtained credit in the former PHYS-4301(6) may not receive credit for this course.

PHYS-4501(6) INTRODUCTION TO GENERAL RELATIVITY (Le3) This course will introduce the student to the modern theory of gravitation called General Relativity. The course begins with a thorough treatment of the role of Special Relativity in mechanics and electromagnetism using four-vectors and spacetime diagrams. A short introduction to tensor analysis will then be given. Following this, the Einstein equations will be formulated and the standard solutions will be analyzed. Using these solutions the experimental tests of General Relativity will be investigated as well as astrophysical and cosmological predictions.

PREREQUISITES: MATH-2105(3) and MATH-2106(3)

RESTRICTIONS: Students who have obtained credit in the former PHYS-3401(3) and PHYS-4501(3) are not permitted to take this course.

Note: In general, the student will be expected to have or be willing to acquire a high degree of mathematical literacy. Students should consult with the instructor.

PHYS-4601(6) QUANTUM MECHANICS II (Le3) This is an advanced course that describes the underlying structure of quantum mechanics and its applications. Topics include general formalism, spin and angular momentum, approximation methods, and scattering theory. Various interpretations of the formalism are also discussed with emphasis on conceptual issues. The basic theory is applied to several physical problems including the fine structure of the hydrogen atom and stimulated emission in lasers.

PREREQUISITE: PHYS-3301(6).

STRONGLY RECOMMENDED: The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

PHYS-4901(3) ADVANCED PHYSICS LABORATORY (La3 both terms) This laboratory course familiarizes students with advanced laboratory techniques and introduces research methodologies. A selection of experiments will be chosen from the areas of electromagnetism, atomic and nuclear physics, solid state physics, theoretical physics, quantum mechanics and classic experiments in physics.

PREREQUISITES: PHYS-2201(6) and PHYS-3901(3)

COREQUISITES: PHYS-4601(6)

RESTRICTIONS: Students who have obtained credit in any of PHYS-3401, PHYS-4201, PHYS-4301 and/or PHYS-4601 prior to September 2002 must consult with the chair of the department before enrolling in this course.

POLITICS (POL)

Updated April 9, 2013

Note: The department/program code POL replaces the former code 41. Students cannot hold credit in POL-xxxx and the former 41.xxxx having the same course number (e.g., POL-1011(6) and 41.1011(6)).

Chair: Professor S. Peou; Professors: L. Axworthy, P. Ives; A.G. Mills; Associate Professors: S. Arnold, J. Boucher, L. DeRiviere, J. Grace, T. Narozhna, S. Sampert; Assistant Professor: Malcolm Bird; Senior Scholar: Chris Leo

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

Certificate in Public Policy and Administration

Minor

Master of Public Administration (MPA) – see Graduate Studies section

INTRODUCTION

The study of politics examines power and authority at various levels – global/international, regional, national, and local. The academic discipline seeks to explain and understand how power and authority are organized and exercised at these levels. It also examines the material and non-material (historical, social, ideological, and ideational) forces that shape global/international, regional, national, and local politics. The study of politics is divided into a number of separate though overlapping fields, such as global/international politics, political thought, law, public policy and administration, Canadian politics and comparative politics, urban and community politics.

The Department offers the 3-Year BA, 4-Year BA, and Honours degrees, as well as a Master of Public Administration (PMA) in cooperation with the University of Manitoba. Students pursuing a major an Honours degree may also graduate with a Certificate in Public Policy and Administration. Students whose Major lies in a different area will find that courses in Politics complement areas in other academic disciplines, such as Economics, History, and Sociology, as well as in other inter-disciplinary programs, such as Urban and Inner City Studies, Indigenous Studies, and Women's and Gender Studies.

Politics graduates enter such professional fields as the public service, the legal profession, business administration, political organizations, and teaching. In addition, the pursuit of graduate studies in Politics can lead to a university academic career.

REQUIREMENTS FOR A 3-YEAR BA IN POLITICS

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours

Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours.

Double Major: 30 credit hours in Politics and specified number of credit hours in the other department/program.

Students may take a maximum of 6 credit hours of Directed Reading towards their major requirement.

Required courses:

POL-1011(6) Introduction to Politics, minimum 2.0 GPA.

12 to 18 credit hours at the 2000 level in Politics.

12 to 24 credit hours at the 3000 level in Politics.

Combined Major:

Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.

Required course:

POL-1011(6) Introduction to Politics, minimum 2.0 GPA.

REQUIREMENTS FOR A 4-YEAR BA IN POLITICS

ADMISSION REQUIREMENT	Students must consult with the Department Advisor in planning their studies Students must have completed at least 30 credit hours in Politics
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/Maximum 66 credit hours. Minimum 6 credit hours from each of four Areas of Study.
Double Major:	48 credit hours in each Major subject as specified by the departments.
Cognates:	Minimum of 18 credit hours, maximum of 36 credit hours in related courses from one of several departments. Maximum total of cognate and major courses is 84 credit hours combined. Students may They are required to defend their final written work before a two-member committee
Required courses:	POL-1011(6) Introduction to Politics, minimum 2.0 GPA. POL-2400(6) Canadian Politics Minimum 18 credit hours at the 2000 level in Politics. Minimum 24 credit hours at the 3000 level in Politics. Maximum 18 credit hours at the 4000 level in Politics
	Students who have obtained at least a 3.0 GPA in previous Politics courses may substitute a maximum of 18 credit hours at the 4000 level for 3000-level courses. Students without the required 3.0 GPA must consult the department for permission to take 4000-level courses.
Combined Major:	Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.
Required courses:	POL-1011(6) Introduction to Politics, minimum 2.0 GPA. POL-2400(6) Canadian Politics Minimum 3 credit hours from each of four different Areas of Study.

REQUIREMENTS FOR AN HONOURS BA IN POLITICS

ADMISSION REQUIREMENT	Students must have completed 30 credit hours with a minimum 3.0 GPA in Honours subject courses (cumulative GPA) and 2.5 GPA (degree GPA) in non-Honours courses. Students must consult with and have the approval of the Department Chair or the Chair's designate in planning their course of study.
GRADUATION REQUIREMENT	120 credit hours, with minimum 3.0 GPA in Honours subject courses and 2.5 GPA in Non-Honours subject courses.
RESIDENCE REQUIREMENT-	
Degree:	Minimum 60 credit hours
Honours:	Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level.
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

HONOURS REQUIREMENT

Single Honours:	Minimum 54 credit hours / Maximum 78 credit hours Minimum 30 credit hours in 4000-level Honours courses. Minimum 6 credit hours from four of the five Areas of Study.
Double Honours:	Minimum 36 credit hours in each Honours subject. Minimum 24 credit hours in 4000-level Honours courses in Politics. Minimum 6 credit hours from three of the five Areas of Study. Students are allowed a maximum of 12 credit hours of Directed Reading toward the Honours requirement. They are required to defend their final written work before a two-member committee
Required courses:	POL-1011(6) Introduction to Politics, minimum 2.0 GPA. POL-2400(6) Canadian Politics
Recommended courses:	Students planning to proceed to graduate studies are encouraged to take POL-4225(6) Scope and Methods of Political Science.

REQUIREMENTS FOR A CERTIFICATE IN PUBLIC POLICY AND ADMINISTRATION

Students graduating with a Major or an Honours degree may also graduate with a Certificate in Public Policy and Administration. In order to receive a Certificate, students must complete a concentration of courses in the Public Policy and Administration field as part of their Politics program. Further program details may be obtained by contacting the Chair of the Department. Students must apply to graduate with a Certificate. Application forms are available at Student Services.

Certificate Requirements Requirements for the program are as follows:
This option is available to Major and Honours students in Politics.

Total Credit Hours Required:	30 credit hours
Gateway Courses:	6 credit hours from Category 1 (Gateway Course)
Elective Courses:	Students must take a minimum 12 credit hours from Category 2 (Elective Courses)
Additional Courses:	The remaining 12 credit hours may be taken either through additional Elective courses, or, should the student have suitable grades and standing, through courses from Area 3 of the Honours list.

COURSES

Category 1: Gateway Course

All Certificate students are required to take POL-2300(6) Public Administration.

Category 2: Electives

All Certificate students must take a **minimum 12 credit hours** from this category.

Politics

Global Politics

POL-3110(3)	International Organization
POL-3115(3)	Gender and Global Politics
POL-3120(3)	International Law

Political Thought

POL-3224(3)	Research Project Design
POL-3225(3)	Quantitative Methods in Political Science

Law, Public Policy and Administration

POL-2315(6)	The Legal Process
POL-2320(3)	Government-Business Relations in Canada
POL-3300(3)	Public Policy Process
POL-3305(3)	Special Topics in Public Policy
POL-3310(3)	Health Care Policy in Canada
POL-3315(6)	The Canadian Legal System
POL-3320(3)	Women and the Law

Canadian and Comparative Politics

POL-2410(6)	Human Rights and Civil Liberties in Canada
POL-3400(3)	Aboriginal Politics in Canada
POL-3405(3)	Aboriginal Politics in Manitoba
POL-3411(3)	Aboriginal People and the Law I
POL-3415(3)	Aboriginal People and the Law II

POL-3439(3)	Politics in Manitoba
POL-3450(3)	Sustainability and Environmental Politics

City and Community Politics

POL-2500(3)	City Politics
POL-2505(3)	Issues in City Politics
POL-3510(3)	Interest Groups and Social Movements

Economics

ECON-1104(3)	Introduction to Economic Theory
ECON-1105(6)	Introduction to Political Economy in Canada

Conflict Resolution Studies

CRS-1200(6)	Introduction to Conflict Resolution Studies
CRS-2252(3)	Conflict and Communication
CRS-2431(3)	Negotiation Theory and Practice

International Development Studies

IDS-2160(3)	Indigenous People and the Industrial State
IDS-2443(3)	Conflict and Development Issues in Indigenous Communities
IDS-2110(3)	Participatory Local Development
IDS-4920(3)	Program Planning for Development and Conflict Resolution
IDS-4922(3)	Program Evaluation for Development and Conflict Resolution

NOTE: Where a prerequisite exists for a course, admission of a certificate student will depend on either i) the student having fulfilled that prerequisite or ii) the relevant department waiving the prerequisite.

Category 3: Honours Courses

Global Politics

POL-4110(3) Seminar in International Organization

Political Thought

POL-4225(6) Scope and Methods in Political Science

Law, Public Policy and Administration

POL-4301(6) Administrative Theory

POL-4305(3) Administrative Law

POL-4310(6) Equity and Human Resources

Canadian and Comparative Politics

POL-4400(6) Seminar in Canadian Politics

POL-4405(6) Seminar in Manitoba Politics

POL-4410(3) Seminar in Women in Politics

POL-4415(6) State and Economy

City and Community Politics

POL-4505(6) Politics of Urban Planning

Streams within the Certificate Program:

While generally students may construct their own program, the above course offerings can be divided into a number of streams that should prove attractive to different audiences. Possible streams might include the following:

Aboriginal Politics and Self-Government Policy

POL-3400(3) Aboriginal Politics in Canada

POL-3405(3) Aboriginal Politics in Manitoba

POL-3411(3) Aboriginal People and the Law I

POL-3415(3) Aboriginal People and the Law II

Law and Public Policy

POL-2315(6) The Legal Process

POL-2410(6) Human Rights and Civil Liberties in Canada

POL-3315(6) The Canadian Legal System

POL-3320(3) Women and the Law

POL-3411(3) Aboriginal People and the Law I

POL-3415(3) Aboriginal People and the Law II

POL-4305(3) Administrative Law

Urban Politics

POL-2500(3) City Politics

POL-2505(3) Issues in City Politics

POL-4505(6) Politics of Urban Planning

Women and Public Policy

POL-3115(3) Gender and Global Politics

POL-3320(3) Women and the Law

POL-4310(6) Equity and Human Resources

POL-4410(3) Seminar in Women in Politics

REQUIREMENTS FOR A MINOR IN POLITICS

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement: Minimum 18 credit hours in the Minor subject
Required courses: 6 credit hours, minimum GPA of 2.0 in POL-1011(6) Introduction to Politics, 12 credit hours in Politics courses at or above the 2000 level.
Restrictions: Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Prerequisites

Except where otherwise indicated, there are no prerequisites for 2000-level and 3000-level courses in the Department of Politics; however, for 3000-level courses, a previous course in politics would be beneficial. Students enrolling in Honours-level courses in the Department of Politics must have credit for at least one politics course in the relevant Area. For example, students wishing to enrol in Seminar in Global Politics (POL-4100(3)) must have at least 3 credit hours in Area 1, Global Politics. Note: All 4000-level courses require departmental permission.

Changing Degree Programs

Students in the Politics Major program, or who wish to enter the Politics Major Program, may transfer from one degree program to another provided requirements are met.

Graduate Studies

The Politics Department participates in the Master of Public Administration program offered jointly by the Universities of Manitoba and Winnipeg. Interested students are advised to consult this website for details:

http://umanitoba.ca/faculties/arts/departments/political_studies/master_pa/index.html.

Students may also consult with the Associate Chair of the MPA program: Dr. Shannon Sampert of the Politics Department.

Courses available for graduate credit (7000 level - GPOL) are included in the Politics Course Descriptions.

Education Students

For Education students pursuing a Teachable Minor in Politics, the following courses are recommended: POL-1011(6) Introduction to Politics; POL-2100(6) Global Politics; POL-2400(6) Canadian Politics.

COURSE LISTINGS

The Politics Department has organized its courses into five areas of specialization. Courses are listed in numerical sequence by Area of Study. Please use WebAdvisor or the appropriate Timetable on the website to find out which courses will be offered in an upcoming term, or consult with the Politics Department Chair or Department Assistant.

INTRODUCTORY
POL-1011(6) Introduction to Politics

AREA 1 GLOBAL POLITICS

POL-2100(6) Global Politics
POL-3105(3) Global Political Economy
POL-3110(3) International Organization
POL-3115(3) Gender and Global Politics
POL-3120(3) International Law
POL-3121(3) Special Topics in Global Politics
POL-3130(3) Canada in World Affairs
POL-3135(3) Critical Security Issues
POL-4100(3) Seminar in Global Politics
POL-4105(3) Seminar in Global Political Economy
POL-4110(3) Seminar in International Organization
POL-4120(3) Seminar in Canadian Foreign Policy
POL-4121(3) Special Topics in Global Politics

AREA 2 POLITICAL THOUGHT

POL/PHIL-2200(6) Social and Political Philosophy
POL-2220(6) Politics and Film
POL-2225(6) The Idea of Democracy
POL-3205(3) Reason and Revolution
POL-3210(3) Politics and Art
POL-3215(6) Varieties of Socialism
POL-3220(3) Politics of Post-Modernism
POL-3224(3) Research Project Design
POL-3225(3) Quantitative Methods in Politics
POL-3230(6) Canadian Political Thought
POL-3233(3) Power & Politics: 16C Political Thought
POL-3234(3) Sovereignty & Politics: 17C Political Thought
POL-3235(6) Politics of Love and Sex
POL-3250(3) Violence, Hegemony and the Rise of Mass Politics

POL-3255(3) Liberals, Marxists and Anarchists
POL-3260(3) Liberalism and Social Democracy
POL-4200(3) Feminist Political Thought
POL-4215(6) Seminar in Political Thought
POL-4220(6) Liberty and Community in Modern Canadian Political Thought
POL-4225(6) Scope and Methods of Politics
POL-4230(6) Marx's Capital I

AREA 3 LAW, PUBLIC POLICY AND ADMINISTRATION

POL-2300(6) Public Administration
POL-2315(6) The Legal Process
POL-2320(3) Government-Business Relations in Canada
POL-3300(3) Public Policy Process
POL-3305(3) Special Topics in Public Policy
POL-3310(3) Health Care Policy in Canada
POL-3315(6) The Canadian Legal System
POL-3320(3) Women and the Law
POL-4301(6) Administrative Theory
POL-4305(3) Administrative Law
POL-4310(6) Equity and Human Resources
POL-4380(6) Special Topics Seminar in Public Administration
POL-4385(3) Special Topics in Public Administration
GPOL-7300(3) Theory and Practice of Public Administration I
GPOL-7305(3) Theory and Practice of Public Administration II
GPOL-7320(3) Seminar in Public Policy Process

GPOL-7325(3) Seminar in Public Policy Issues
GPOL-7380(6) Special Topics Seminar in Public Administration
GPOL-7385(3) Special Topics in Public Administration

AREA 4 CANADIAN AND COMPARATIVE POLITICS

POL/UIC/IS-2020(3) Colonization and Aboriginal Peoples
POL-2400(6) Canadian Politics
POL-2410(6) Human Rights and Civil Liberties in Canada
POL-2415(6) The Politics of Racism
POL-3400(3) Aboriginal Politics in Canada
POL-3405(3) Aboriginal Politics in Manitoba
POL-3411(3) Aboriginal People and the Law I
POL-3415(3) Aboriginal People and the Law II
POL-3436(6) United States Politics
POL-3439(3) Politics in Manitoba
POL-3445(3) Political Transformation in Post Cold-War Central Europe
POL-3450(3) Sustainability and Environmental Politics
POL-3452(3) Women in Canadian Politics
POL-3455(3) Politics and the Mass Media
POL-3460(3) Provincial Politics in Canada
POL-3470(3) Comparative Federalism & Multi-level Governance
POL-4400(6) Seminar in Canadian Politics
POL-4405(6) Seminar in Manitoba Politics
POL-4410(3) Seminar in Women in Politics
POL-4415(6) State and Economy
POL-4440(6) Seminar in Aboriginal Politics

AREA 5 CITY AND COMMUNITY POLITICS

POL-2010(3) Politics in the Inner City
POL-2500(3) City Politics
POL-2505(3) Issues in City Politics
POL-3510(3) Interest Groups and New Social Movements
POL-3520(3) Community Democracy in a Global Age
POL-4505(6) Politics of Urban Planning
POL-4510(3) Law and the Politics of Social Change
POL-4520(3) Theories of Urban Poverty
POL-4515(6) Inner City Seminar
GPOL-7505(6) Politics of Urban Planning

HONOURS THESIS, DIRECTED READINGS AND GENERAL SPECIAL TOPICS

POL-3030(3) Special Topics in Politics
POL-3600(6) Directed Readings
POL-3605(3) Directed Readings
POL-4040(3) Special Topics in Politics
POL-4600(6) Directed Readings
POL-4605(3) Directed Readings
POL-4610(6) Honours Thesis
GPOL-7331(6) Directed Readings in Public Administration
GPOL-7335(3) Directed Readings in Public Administration

EXPERIMENTAL COURSES:
POL-3216(3) Special Topics in Political Theory
POL-4216(3) Special Topics in Political Theory

Note: The second digit identifies the area number.

COURSE DESCRIPTIONS

POL-1011(6) INTRODUCTION TO POLITICS (Le3) A study of the modern state with particular reference to the ideas, principles and institutions of democratic government; the democratic tradition, its origin and development; constitutions, federal and unitary; representative institutions; the law making process; civil liberties; public opinion, its formulation and expression through political parties and pressure groups; executive government and totalitarianisms; normative, empirical and behavioural theory may be used in treating these subjects.

POL-2010(3) POLITICS IN THE INNER CITY (Le3) This course introduces students to political problems and political strategies regarding the inner city. It includes an examination of City Hall, parliamentary politics of the provincial and federal levels as it affects the inner city, and various electoral and non-electoral strategies that can be adopted to advance the interests of inner-city residents.

POL-2020(3) COLONIZATION AND ABORIGINAL PEOPLES (Le3) This course examines the Aboriginal colonial experience, particularly in Western Canada, and the impact colonization has had and continues to have on the relationship between Aboriginal peoples and Canadian governments. This course emphasizes the contemporary effects of colonization, particularly as regards identity issues and how they play out in the urban and inner-city environment, and also processes and strategies for decolonization.

CROSS-LISTED: UIC-2020(3) and IS-2020(3).

POL-2100(6) GLOBAL POLITICS (Le3) This course provides students with an introduction to the study and practice of global level politics. It explores different ways that the scope and content of 'global politics' is understood theoretically, informed by the view that global politics is seen differently depending on the assumptions that are brought to bear. A range of post-Cold War global practices are considered, including globalization, Global Political Economy, development, security, and global governance. **RESTRICTIONS:** Students may not receive credit for this course and the former POL-2123(6).

POL-2200(6) SOCIAL AND POLITICAL PHILOSOPHY (Le3) A critique of attempts to give ethical justification for social institutions and practices. Why should one obey the state? When is disobedience justified? Are there any inalienable and absolute human rights? What are the conditions and limits of liberty? Why and when is it moral to punish? Is free enterprise consistent with principles of justice? Is it ever right to engage in war? Readings will include the work of some of the following: social contract theorists, utilitarians, Hegelians, Marxists, existentialists, and analytic philosophers.

RESTRICTIONS: Students may not receive credit for this course and the former POL-2205(6).

CROSS-LISTED: Philosophy PHIL-2200(6).

POL-2220(6) POLITICS AND FILM (L3, La2) Film is one of the most exciting and complex art forms. This course seeks to enrich students' experience and understanding of movies, to see them as complex cultural creations that embody political and social meanings and not simply as entertainment. Various theoretical approaches to film are examined as well as topics connected to the particular films viewed. Topics may include images of women in film, racial politics, the politics of Hollywood cinema, the slave in film, homosexuality in the movies, and conventions of realism.

POL-2225(6) THE IDEA OF DEMOCRACY (L3) Democracy is a political idea that we often take for granted. Yet democracy has always been and continues to be the subject of great controversy. For example, some of the founders of political theory -- Plato and Aristotle -- were fierce critics of democracy. This course examines the complex and controversial history of the idea of democracy. We look at some of the major thinkers who have grappled with the concept of democracy. In addition, the course may examine some of the political movements that have been identified with the idea of democracy, for example, trade unionism, socialism, feminism, and anti-globalization activism.

POL-2300(6) PUBLIC ADMINISTRATION (Le3) A general survey of the major areas of public administration. Basic terminology and concepts are introduced. The course begins with organization theories and proceeds to such areas as leadership, decision-making, communications, personnel administration, policy-planning and budgeting, and the relationship between public administration and politics.

RESTRICTIONS: May not be taken for credit by those holding credit for the former POL-2305(3), POL-2310(3) or the former POL-2326(6), POL-2327(3) or POL-2328(3).

POL-2315(6) THE LEGAL PROCESS (Le3) The course is designed as an introduction to the law as a social institution. The aim is primarily to focus on law as a socio-political reality and examine fundamental questions about its role. The course will also provide factual knowledge about various aspects of law, both civil and criminal.

RESTRICTIONS: Students may not receive credit for both courses and the former POL-2440(6).

POL-2320(3) GOVERNMENT-BUSINESS RELATIONS IN CANADA (Le3) This course critically examines the relationship between business and government. State regulation of the economy is a significant element of public policy. Consequently, business and business groups are important political actors seeking to influence the shape and direction of public policy. This course examines that relationship and various mechanisms by which business seeks to influence the state.

POL-2400(6) CANADIAN POLITICS (Le3) This course offers a general introduction to the study of Canadian politics, including an analysis of political culture, political parties, federalism, continentalism, regionalism, and political institutions.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-2430(6).

POL-2410(6) HUMAN RIGHTS AND CIVIL LIBERTIES IN CANADA (Le3) This course examines the concepts of human rights and civil liberties. It will incorporate a case study approach in some areas. The course will include an examination of several approaches and concepts of human rights and civil liberties. It also includes an emphasis on selected topics such as: biological rights, rights of children, criminal law in the civil rights context, aboriginal rights and equality rights. The course is very strongly oriented towards Canadian problems, laws and institutions.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-2450(6)

POL-2415(6) THE POLITICS OF RACISM (Le3) This course analyzes contradictions that emerge in the ideology and political practices of the liberal state in its approach to issues of racism. The concept of racism is introduced through an analysis of its individual, institutional, systemic and organized forms. Using documentation from cases in

Canada, the United States, Germany, and other countries, the course examines state measures to combat racism, makes use of case studies of state facilitation of the aims of organized racism, and examines activist methods used to counter organized racism and its state facilitation. The intersection of the state and the field of racism is examined as well through analyses of cases involving state security and intelligence services.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-2431(3).

POL-2500(3) CITY POLITICS (Le3) This course is an introduction to political decision-making in cities, how it is organized and how citizens as well as local, provincial and national politicians and administrators operate both within the formal decision-making machinery and outside of it to help make the city what it is.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-2321(3) or POL-2325(6).

POL-2505(3) ISSUES IN CITY POLITICS (Le3) This course discusses such issues as central city decay, suburban sprawl, concentration of poverty, urban expressway development, and loss of neighbourhood identity. It also examines the political forces acting to cause problems, to neglect them, or to solve them. The focus is on the dynamics of city development and decay, and the political organization and action influencing those dynamics.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-2321(3) or POL-2325(6).

POL-3030(3) SPECIAL TOPICS IN POLITICS (Le3) This course will consider selected topics in Politics; as course content will vary, students are encouraged to consult the Department of Politics regarding potential offerings in a given year. This course may be repeated for credit when the topic varies.

POL-3105(3) GLOBAL POLITICAL ECONOMY (Le3) This course provides an introduction to the theories and methods of global political economy and a study of the application of these to areas such as militarization; north-south relations; globalization of production; trade and finance regimes; gender and ecological questions.

PREREQUISITES: POL-2100(6) or permission of the instructor.

RESTRICTION: Students may not receive credit for both this course and the former POL-3133(6).

POL-3110(3) INTERNATIONAL ORGANIZATION (Le3) This course examines various theoretical approaches to the study of international organizations as a generic phenomenon, recognizing that they are part of a complex web of relations that can have subnational, national, international, and transnational ties. More specifically, it explores the place and role of international organizations within the framework of global governance.

PREREQUISITES: POL-2100(6) or permission of the instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3134(3). Students with credit in either POL-4110(3) or the former POL-4134(3) need Instructor's permission to take this course.

POL-3115(3) GENDER AND GLOBAL POLITICS (Le3) This course examines gendered perspectives on the theory and practice of Global Politics. It considers a range of perspectives on gender and politics, and applies these to an examination of conflict and cooperation, security, global political economy, ecology, human rights, international organisations and the law.

PREREQUISITES: POL-2100(6) or permission of the instructor.

RESTRICTIONS: May not be taken for credit by those who have credit for the former POL-3135(3) or POL-3135(6).

POL-3120(3) INTERNATIONAL LAW (Le3) This course deals with the nature of international law in society, the universality of international law, the state and other international persons, sovereignty and equality, recognition of governments and states, civil war and intervention, war and neutrality.

RESTRICTIONS: Students with credit in the former POL-4115(3) or the former POL-4137(3) need Instructor's permission to take this course. May not be taken for credit by those with credit for the former POL-3137(3).

POL-3121(3) SPECIAL TOPICS IN GLOBAL POLITICS (Le3) This course will consider selected topics in Global Politics; as course content will vary, students are encouraged to consult the Department of Politics regarding potential offerings in a given year. This course may be repeated for credit when the topic varies.

POL-3130(3) CANADA IN WORLD AFFAIRS (Le3) This lecture/seminar course explores differing explanations of Canadian actions in global politics and examines specific areas such as foreign economic and trade policies, military and security policies, and policies towards different regions of the world.

PREREQUISITES: POL-2100(6) or permission of the instructor.

RESTRICTIONS: May not be taken by those with credit for the former POL-3142(3) or POL-3142(6).

POL-3135(3) CRITICAL SECURITY STUDIES (Le3) This course explores major challenges to traditional security studies and traces the emergence and evolution of critical security studies. It focuses primarily on the constructivist, post-structuralist and post-Marxist perspectives on security.

PREREQUISITES: POL-2100(6) or permission of the instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3143(6).

POL-3205(3) REASON AND REVOLUTION (Le3) Reason and revolution are ideas central to contemporary politics. This course explores their roots in 18th century Europe. Enlightenment thinkers argue that society can be reorganized based on reason, freedom and equality. Counter-enlightenment thinkers argue that such attempts often degenerate into the type of violence and terror evident in the French Revolution. This course explores these issues in the writings of thinkers such as Immanuel Kant, Jean-Jacques Rousseau, Edmund Burke, Mary Wollstonecraft, Thomas Paine and others.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3235(3).

POL-3210(3) POLITICS AND ART (Le3) This course will examine political expression in the visual, performing and literary arts. The course treats various forms of art as cultural documents which provide insight into the political ideas and political culture of society.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3236(3).

POL-3215(6) VARIETIES OF SOCIALISM (Le3) The course will consist of an examination of theoretical perspectives and their adaptation to situations and cultural contexts. Investigation will range over African and Asian as well as European interpretations of socialism.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3238(6).

POL-3220(3) POLITICS OF POST-MODERNISM (Le3) This course will examine a selection of the precursors, proponents and critics of post-modern political thought such as Nietzsche, Foucault, Rorty, Lyotard, Jameson, Butler, Habermas, Derrida and Baudrillard. This course will focus on the politics generated by post-modernism. Among the

questions to be considered are: What is modernism? What is post-modernism? What are the potential effects of a post-modern perspective on political theory and political practices? How has post-modernism influenced feminism and new social movements more generally?

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3738(3).

POL-3224(3) RESEARCH PROJECT DESIGN (Le3) This is a basic course in research design, intended for beginners. It includes, but is not limited to, research design and evaluation, measurement, sampling, data collection methods, elementary data analysis, research ethics, and reporting results.

RESTRICTIONS: Students may not receive credit for this course and the former POL-2206(3).

POL-3225(3) QUANTITATIVE METHODS IN POLITICS (Le3) An introduction to quantitative methods of political inquiry, this course will examine and apply standard methods of data analysis. These include basic statistical techniques, the use of computer programs for analysing data and generating statistics, and the interpretation of statistical results. It is a follow up to the Project Design course.

PREREQUISITES: POL-3224(3) or the former POL-2206(3) or the former POL-2247(3) or permission of instructor.

RESTRICTIONS: Students may not receive credit for this course and the former POL-3247(3) or POL-4247(6).

POL-3230(6) CANADIAN POLITICAL THOUGHT (Le3) The course examines the historical development and political expression of major Canadian ideologies: conservatism, liberalism, socialism, English-Canadian nationalism, and nationalism in Quebec politics.

RESTRICTIONS: Students may not receive credit for this course and the former POL-2261(6).

POL-3233(3) POWER & POLITICS: 16C POLITICAL THOUGHT (Le3) This course explores sixteenth century political thought in the historical context of the dramatic transformations of the Renaissance, the Reformation, the Scientific Revolution and the rise of capitalism. Key thinkers examined include: Machiavelli, Erasmus, More, Luther, Calvin, Bodin and Thomas Smith. Special attention is given to newly emerging conceptions of power, state, citizen, family and political freedom.

POL-3234(3) SOVEREIGNTY & POLITICS: 17C POLITICAL THOUGHT (Le3) This course explores seventeenth century political thought in the historical context of the dramatic transformations of the Reformation, the Scientific Revolution, the English Civil Wars, and the rise of capitalism. Key thinkers to be examined include: English Levellers, Descartes, Hobbes, Locke, and Harrington. Special attention is given to highly contested conceptions of sovereignty, property, natural rights and liberties, and revolution.

POL-3235(6) POLITICS OF LOVE AND SEX (L3) This course offers students the opportunity to study political thought through the prism of love and sex. Students are introduced to some of the central thinkers in the Western canon (such as Plato, Augustine, Rousseau, and Wollstonecraft). We consider the complexity and persistence of problems for human society related to love and sexuality. In addition, the course allows for a close examination of current controversies revolving around these human passions, such as gender relations, pornography, homosexual marriage, and prostitution.

POL-3250(3) VIOLENCE, HEGEMONY AND THE RISE OF MASS POLITICS (Le3) The 20th Century has been called the age of extremes, one of the most violent in our world's

history. It witnessed two world wars, the rise of fascism, the cold war, massive decolonization, universal suffrage and the advent of mass politics and globalization. This course explores political philosophies shaped during these events. Thinkers considered include Rosa Luxemburg, V.I. Lenin, Antonio Gramsci, Friedrich von Hayek, Isaiah Berlin, Hannah Arendt, members of the Frankfurt School and Frantz Fanon. We concentrate on problems faced by democracy in mass society; violence, nationalism, hegemony and freedom.

RESTRICTIONS: Students may not receive credit for this course and the former POL-4238(3) or POL-4210(3).

POL-3255(3) LIBERALS, MARXISTS AND ANARCHISTS (Le3) The 19th century witnessed the birth of many of the political ideas that shape our world, from J.S. Mill's liberalism to Marx and Engel's communism, including Nietzsche and the Anarchists. This course places thinkers and movements such as these within their historical context and shows how their ideas are relevant in today's world.

RESTRICTIONS: Students may not receive credit for this course and the former POL-4237(3) or POL-4205(3).

POL-3260(3) LIBERALISM AND SOCIAL DEMOCRACY (Le 3) This course examines the crucial revision of socialism to take account of freedom, the welfare state, democracy and regulation rather than public ownership. It will examine the ideas of Bernstein, Hobhouse, Crosland, Karlsson and Giddens. It deals with similar themes in the Canadian political context, especially the ideas of Frank Scott and Pierre Elliott Trudeau.

POL-3300(3) PUBLIC POLICY PROCESS (Le3) The focus of this course is the interplay of politics and the public policy process, with concentration on theories of policy-making, actors in the policy process, and institutions and structures in the policy process. The role of interest groups, political parties, governmental organizations and the like are among the subjects to be examined.

RESTRICTIONS: Students may not receive credit for this course and the former POL-3331(3).

POL-3305(3) SPECIAL TOPICS IN PUBLIC POLICY (Le3) The focus of this course will change from year to year, according to the interests of faculty and students. Its general purpose is to permit advanced undergraduate students to examine specific issues in public policy, especially those which are of contemporary interest but are not the subject of a routinely offered course.

RESTRICTIONS: The course may be repeated only when the topic varies.

POL-3310(3) HEALTH CARE POLICY IN CANADA (Le3) This course investigates current trends and issues in health care policy in Canada. Students are introduced to the structure of the Canadian health care system, including federal and provincial policy history and the structure of its financing. The course focuses on challenges which occur in implementing and administering health policy change at the federal and provincial levels. The course emphasizes the regionalization of service delivery and the expansion of community-based primary care. Alternative models of health care delivery are explored.

RESTRICTIONS: Students may not receive credit for both this course and POL-3305(3) or the former POL-3332(3), or POL-3333(3).

POL-3315(6) THE CANADIAN LEGAL SYSTEM (Le3) An examination of the structure and functioning of the legal system in Canada, including such topics as: the historical background of British and Canadian law; the Canadian constitution and its prescription for federal and provincial jurisdictions; the nature and limits of executive, legislative and judicial powers; the distinction between common law

and statute law; the various fields of law, e.g., criminal, domestic, contract and torts; civil rights and human rights; the administration of justice.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3428(6).

POL-3320(3) WOMEN AND THE LAW (Le3) This course will focus on a number of aspects relative to women and the law in Canada. The course will include the following: (1) women within the legal system, e.g., as judge, lawyer, victim and offender; (2) a study of the various laws which affect women either directly or indirectly, examination of existing legislation and review of case law; (3) discussion of various agencies (primarily those which are legislated) which influence the lives of women. Some areas of law which may be reviewed will include domestic, criminal, estates, labour, human rights, pensions and day care.

RESTRICTIONS: May not be taken for credit by those who have credit for the former POL-3429(3) or POL-3429(6).

POL-3400(3) ABORIGINAL POLITICS IN CANADA (Le3) This course examines the evolution of Canadian policy on aboriginal peoples, and in particular The Indian Act. It considers the development of aboriginal political organizations, and current struggles around land claims and self-government.

RESTRICTIONS: Students may not receive credit for this course and the former POL-3433(3).

POL-3405(3) ABORIGINAL POLITICS IN MANITOBA (Le3) This course examines selected political issues of importance to aboriginal peoples in Manitoba. Topics may include self-government, northern development, urbanization, aboriginal women, land claims, Metis claims, and others.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3434(3).

POL-3411(3) ABORIGINAL PEOPLE AND THE LAW I (Le3) This course begins with an examination of the constitutional status of Canadian native people, from the Royal Proclamation of 1763 to the Charter of Rights and Freedoms. It includes discussions of both federal and provincial powers and responsibilities in regard to native people and also of native government. Specific topics addressed will include, but not be limited to, native land rights, hunting, taxation, young offenders and child and family law.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3426(3).

POL-3415(3) ABORIGINAL PEOPLE AND THE LAW II (Le3) This course focuses on initiatives undertaken to make the Canadian justice system more compatible with aboriginal cultures and needs. It includes, but is not limited to, issues such as cultural genocide, treaty rights, and extinction and socio-economic developments such as sentencing circles, mediation in child welfare, separate school boards, the Northern Flood Agreement and the creation of Nunavut.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3427(3).

POL-3436(6) UNITED STATES POLITICS (Le3) This course is a study of the United States' political system, including topics such as American political culture, political groups and parties, elections, formal political institutions and policies and trends.

PREREQUISITES: POL-1011(6) or permission of the instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3437(6) or POL-3438(3).

POL-3439(3) POLITICS IN MANITOBA (Le3) This course seeks to describe and explain changes in the political culture, political economy and political institutions of

Manitoba. Topics may include different approaches to Manitoba politics; political parties in Manitoba; voting patterns in Manitoba; social class, ethnicity and cultures in Manitoba; federal-provincial relations and their impact upon Manitoba.

RESTRICTIONS: May not be taken for credit by those who have credit for POL-4405(6) or the former POL-3432(3) or POL-4430(6).

POL-3445(3) POLITICAL TRANSFORMATION IN POST COLD WAR CENTRAL EUROPE (Le3) The collapse of Communism in 1989 was an event of world-historical importance. It ended the Cold War and, with the removal of Soviet hegemony, allowed countries in central and eastern Europe to pursue political pluralism and economic markets. The transition has been a time of difficult adjustment. This course will examine the political economy of transition in central Europe with special emphasis upon the process of transition in the Czech Republic.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3435(3).

POL-3450(3) SUSTAINABILITY AND ENVIRONMENTAL POLITICS (Le3) In 1987 the concept of 'sustainable development' was popularized by the Brundtland Commission's Report. Since that time, the term has been used and abused in a great variety of contexts worldwide. The course will examine the measures and implications of this concept as it impinges on virtually every policy area in Canada. Specific areas to be examined may include, but will not be limited to, the following: Green politics and capitalism, Canadian Round Tables, values and sustainability, international impacts, urbanization, the welfare state, and the role of women.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3420(3).

POL-3452(3) WOMEN IN CANADIAN POLITICS (Le3) This course provides an overview of the issues facing women in Canadian politics. It begins with an understanding of the different "types" of feminism and explores feminist theory as an epistemology, an ideology and a social movement. It then moves into issues of the backlash against feminism, the electoral project, women and public policy concerns and portrayals of women in the media. At the conclusion of this course, the student will be cognizant of the salient issues facing women in politics and have a broader understanding of feminist analysis.

POL-3455(3) POLITICS AND THE MASS MEDIA (Le3) This course introduces students to the study of politics and the mass media. Few Canadians actually have the opportunity to attend the machinations of politics first hand, thus must rely on the mass media to provide them with information about what elected officials are saying and doing. News is constructed within the journalist paradigms and the delivery of news is highly mediated. This course examines what news is and how politicians are both manipulators of and manipulated by the news that's accessed daily.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3424(6) and the former POL-3455(6).

POL-3460(3) PROVINCIAL POLITICS IN CANADA (Le3) This course provides students with an appreciation of the importance of politics at the provincial level. It explores issues of regionalism and federalism, while analyzing in a comparative manner the different political realities of each distinct province. What makes provincial politics in Manitoba different from provincial politics in BC or Quebec? What is the role of the provincial premier given the current state of federalism and the impact of globalization? These questions

are examined in an effort to provide an understanding of the important and evolving role of the province in Canada. Prior completion of POL-2400(6) is strongly recommended.

POL-3470(3) COMPARATIVE FEDERALISM AND MULTI-LEVEL GOVERNANCE (Le3) Most of the world's population live in a country which has multiple layers of government with policy responsibilities constitutionally divided between a national and regional political authorities. In the 21st Century, issues of decentralization to regional governments, subsidiarity and local autonomy are argued to be significant to viable social, cultural and political development. This course comparatively analyses the many issues that animate governance in multi-level systems which will include actors, institutions and policy processes. Students investigate the politics of federalism and multi-level governance in jurisdictions such as Canada, the United States, Australia and the European Union.

POL-3510(3) INTEREST GROUPS AND NEW SOCIAL MOVEMENTS (Le3) This course examines the roles of interest groups and social movements in influencing and shaping public policy. The course explores the concept of participation and representation by examining the organization of interests outside of mainstream political parties. The methods by which interest groups and social movements organize themselves, and, in particular, issues of democracy and accountability within these organizations, will be explored. Topics include theoretical perspectives on new social movements, as well as the experiences of workers' movements, women's movements, anti-poverty movements, environmental movements and the role of corporations and economic interest groups.

POL-3520(3) COMMUNITY DEMOCRACY IN A GLOBAL AGE (Le3) Our democratic institutions, for the most part inherited from the 19th century, are challenged in the 21st century by global markets and corporate mobility. This course explores the effect of globalization on our democratic institutions. While globalization may undermine our democratic institutions, social movements increasingly demand new forms of democratic practice. This course explores the claims of social movements for local/direct democracy and possible solutions to the "crisis" of democracy.

POL-3600(6) DIRECTED READINGS (D) A directed reading is an individual course of study arranged in consultation with a departmental supervisor. It is open to third year General and third and fourth year Honours students. The program of reading and consultation is arranged by the supervisor and the student. The student is required to write a major paper and take an oral examination with a second reader based on it.
PREREQUISITES: Permission of the instructor.

POL-3605(3) DIRECTED READINGS (D) A directed reading is an individual course of study arranged in consultation with a departmental supervisor. It is open to third year General and third and fourth year Honours students. The program of reading and consultation is arranged by the supervisor and the student. The student is required to write a major paper and take an oral examination with a second reader based on it.
PREREQUISITES: Permission of the instructor.

POL-4040(3) SPECIAL TOPICS IN POLITICS (S3) This course will consider selected topics in Politics at an advanced level; as course content will vary, students are encouraged to consult the Department of Politics regarding potential offerings in a given year. This course may be repeated for credit when the topic varies.

POL-4100(3) SEMINAR IN GLOBAL POLITICS (S3) This course involves an intensive study of selected contemporary issues in global politics. The course focuses on historical and contemporary methodological approaches to the study of global politics, and the application of some of these to an analysis of the problems of international order.

PREREQUISITES: POL-2100(6) or permission of the instructor.
RESTRICTIONS: Students may not receive credit for both this course and the former POL-4123(3), POL-4145(6) or 4145(3).

POL-4105(3) SEMINAR IN GLOBAL POLITICAL ECONOMY (S3) This course is a study of current topics and problems in the global political economy such as the intersection of political, military and economic structures and policies in the internationalization of production and the Third World debt crisis; links between militarization and production; regionalization of the global political economy; American hegemony in the global political economy; the role of Japan in the global political economy; Eastern Europe in the global political economy; and other topics to be determined in consultation with students.

PREREQUISITES: POL-2100(6) or permission of the instructor.
RESTRICTIONS: Students may not receive credit for both this course and the former POL-4133(3).

POL-4110(3) SEMINAR IN INTERNATIONAL ORGANIZATION (S3) This course is a study of international institutions and the processes of international cooperation. Special emphasis will be placed on the League of Nations; the United Nations and its specialized agencies; and regional arrangements such as the European Union, the Commonwealth and the North Atlantic Treaty Organization.

PREREQUISITES: POL-2100(6) or permission of the instructor.
RESTRICTIONS: Students may not receive credit for both this course and the former POL-4134(3).

POL-4120(3) SEMINAR IN CANADIAN FOREIGN POLICY (S3) This course examines specific areas of Canadian foreign policy. These may include, but are not limited to, policies related to trade and environment, development assistance, defence, refugees and immigration, or policies related to specific regions.

PREREQUISITES: POL-2100(6) or permission of the instructor.
RESTRICTIONS: Students may not receive credit for both this course and the former POL-4142(3) or POL-4142(6).

POL-4121(3) SPECIAL TOPICS IN GLOBAL POLITICS (S3) This course will consider selected topics in Global Politics at an advanced level; as course content will vary, students are encouraged to consult the Department of Politics regarding potential offerings in a given year. This course may be repeated for credit when the topic varies.

PREREQUISITES: POL-2100(6) or permission of the instructor.

POL-4200(3) FEMINIST POLITICAL THOUGHT (S3) This course will be an inquiry into feminist political thought. It will consider both historical and contemporary writers of importance to feminist political theory. The basic aims of the course are two: first, to consider feminist political theory's critical perspective on the classical canon of political thought; and second, to discuss contemporary feminist political theories, including liberal, marxist, gynocentric and post-modern feminist thinkers.

PREREQUISITES: One 3 credit hour course in Area 1, Political Thought, or PHIL-2205(6) or WGS 3301(3) or the former WOM-3232(6), or permission of the instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4236(3).

POL-4215(6) SEMINAR IN POLITICAL THOUGHT (S3) This course examines a range of current issues in political theory. Topics covered may include issues related to

globalization, debates about multiculturalism, civil society, and the viability of democracy and sovereignty in the 21st century.

PREREQUISITES: One 3 credit hour course in Area 2, Political Thought, or PHIL-2205(6) or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4215(3) or POL-4240(3).

POL-4220(6) LIBERTY AND COMMUNITY IN MODERN CANADIAN POLITICAL THOUGHT (S3) This course will examine the confluence and tension of freedom and community in the thought of six modern Canadian thinkers: Woodsworth, Scott, Trudeau, Macpherson, Taylor and Grant. **PREREQUISITES:** One 3 credit hour course in Area 2, Political Thought, or PHIL-2205(6) or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4239(6).

POL-4225(6) SCOPE AND METHODS OF POLITICAL SCIENCE (S3) The course offers an analysis of the interrelationship among philosophy, theory and method in contemporary Politics. Emphasis in the course will be placed on the development of theoretical principles of political inquiry and the critical analysis of a variety of theoretical approaches commonly employed in Politics, such as behaviouralism, systems theory, class analysis, socialization theory and others.

PREREQUISITES: One 3 credit hour course in Area 2, Political Thought, or PHIL-2205(6) or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4246(6).

POL-4230(6) MARX'S CAPITAL 1 (S3) This course will be devoted to the careful study of volume I of Marx's *Capital*, the cornerstone of Marx's economic and political thought. Students also read a variety of commentators on *Capital*.

POL-4301(6) ADMINISTRATIVE THEORY (S3) An examination of the theoretical basis for the "administrative state", including such problems as the relationship of political values to administrative decisions, the role of the career civil service in governmental policy formation, the relationship between administrative officials and private interest groups, and the protection of individual rights against administrative abuses. Attention will be given to North American and European techniques and institutions designed to achieve democratic control of administrative action.

PREREQUISITES: One 3 credit hour course in Area 3, Law, Public Policy and Administration, or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4338(6).

POL-4305(3) ADMINISTRATIVE LAW (S3) The general focus of this seminar is the administrative state and the citizen's legal relationship to it. While Canada is the primary concern, examples of administrative law in other countries will be included. Specific topics to be pursued will include the regulatory function of governments, rule-making and adjudicative bodies other than parliament and the courts, judicial oversight of administrative boards and tribunals, and the impact of administrative law on the civil and human rights of Canadians.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4339(6).

POL-4310(6) EQUITY AND HUMAN RESOURCES (S3) This course will examine the theory and practice of, and major public policy equity issues in, human resource administration. It will investigate human rights in relation to the personnel process. It will also analyse employment discrimination theory, U.S. and Canadian legislation and jurisprudence, contract compliance and compensation. The

theory, legislation, planning and execution of these programs will be examined from a public and private sector organizational perspective. Topics may include human resource administration and the Charter, pay equity administration, sexual harassment, and human resource administration and government regulation.

PREREQUISITES: One 3 credit hour course in Area 3, Law, Public Policy and Administration, or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4340(6).

POL-4380(6) SPECIAL TOPICS SEMINAR IN PUBLIC ADMINISTRATION (S3) The course concentrates on a topic of primary relevance to students of public administration. Examples of such topics are the role of public bureaucracy in Canadian federalism, the regulatory process in Canada, the role of Crown corporations, issues in health care policy, public administration in Manitoba, and gender and public policy. The course may be repeated for credit when topic varies.

POL-4385(3) SPECIAL TOPICS IN PUBLIC ADMINISTRATION (S3) The course concentrates on a topic of primary relevance to students of public administration. Examples of such topics are the role of public bureaucracy in Canadian federalism, the regulatory process in Canada, the role of Crown corporations, issues in health care policy, public administration in Manitoba, and gender and public policy. The course may be repeated for credit when the topic varies.

POL-4400(6) SEMINAR IN CANADIAN POLITICS (S3) This seminar examines selected aspects of Canadian politics. These may include, but are not necessarily limited to political power, culture, ideologies, parties, institutions, political economy, the constitution, federalism, regionalism and Canada-US relations.

PREREQUISITES: POL-2400(6) or the former POL-2430(6) or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4420(6).

POL-4405(6) SEMINAR IN MANITOBA POLITICS (S3) This course analyzes selected aspects of the political process and of public administration in the Province of Manitoba. Topics may include political party organization and ideology; public sector management; the politics and administration of northern development, social welfare, education, health care, and other issues of provincial importance. A seminar format will be adopted, and public officials will be invited to offer insights built on practical experience.

PREREQUISITES: One 3 credit hour course in Area 4, Canadian and Comparative Politics, or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4430(6).

POL-4410(3) SEMINAR IN WOMEN IN POLITICS (S3) The course will be an examination of the role of women in politics. It will concentrate on a particular aspect of political life such as women in revolution, women and electoral politics, feminist politics.

PREREQUISITES: One 3 credit hour course in Area 4, Canadian and Comparative Politics, or permission of instructor.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4431(3).

POL-4415(6) STATE AND ECONOMY (S3) This course is an interdisciplinary investigation into the nature of the relationship of the government to the economy in modern times. The course emphasizes the economic implications of

government policy and is primarily concerned with Canada.
PREREQUISITES: One 3 credit hour course in Area 4, Canadian and Comparative Politics, or permission of instructor.
RESTRICTIONS: Students may not receive credit for both this course and the former POL-4443(6).

POL-4440(6) SEMINAR IN ABORIGINAL POLITICS (S3)
This seminar examines selected aspects of Aboriginal Politics. Topics may include issues of self-governance and band management, issues facing aboriginal people in urban settings, gender in aboriginal communities, social policy issues, resource management issues, the politics of aboriginal organizations, and land claim and treaty negotiations.
PREREQUISITES: One 3 credit hour course in Area 4, Canadian Politics or permission of the instructor.

POL-4505(6) POLITICS OF URBAN PLANNING (S3) This course is a study of the political objectives that can be achieved through urban planning as well as the political restraints upon planning. The course adopts a comparative perspective, looking at the politics of planning in selected countries. It also considers the involvement of various levels of government in urban planning.
PREREQUISITES: One 3 credit hour course in Area 5, City and Community Politics, or permission of instructor.
RESTRICTIONS: Students may not receive credit for both this course and GPOL-7505(6) or the former POL-4334(6) or POL-7335(6).

POL-4510(3) LAW AND POLITICS OF SOCIAL CHANGE (S3) This course examines the use of law as a means of advancing social change. The course explores the contradictory nature of law both as a force of social control and a vehicle for advancing claims that challenge the status quo. Specific topics include rights and rights discourse; the legalization of politics; the practice of public interest litigation; and the use of legal strategies by social movements. The course also examines a number of case studies, including such issues as abortion rights, pornography, environmental litigation, aboriginal rights, and homelessness and poverty. Although the focus of the course is on the Canadian experience, comparative material is also used.
PREREQUISITES: POL-2315(6), POL-3315(6) or the former POL-2440(6) or POL-3428(6).

POL-4515(6) INNER CITY SEMINAR (S3) This course seeks to explain the emergence and the character of inner cities, and to evaluate proposed solutions to inner city problems. Some attention is paid to the literature on American inner cities; we focus intensively on Winnipeg's inner city. The course features a 3-hour-per-week practicum requirement with an inner city community-based organization, and the conducting of original, primary research on an inner city topic.
PREREQUISITES: One 3-credit-hour course in Area 5, Community Politics, or permission of instructor.

POL-4520(3) THEORIES OF URBAN POVERTY (S3) This course analyzes and evaluates the works of various social scientists who have written about urban poverty in the late 20th and early 21st centuries. The course addresses such questions as: what are the causes of today's urban poverty?; in what ways does urban poverty today differ from earlier forms of urban poverty?; what is its relationship to global economic forces?; what is its relationship to drugs, gangs and violence? Writers studied may vary from year to year.

POL-4600(6) DIRECTED READINGS (D) A directed reading is an individual course of study arranged in consultation with a departmental supervisor. The program of reading and consultation is arranged by the supervisor and the student.

The student is required to write a major paper and take an oral examination with a second reader based on it.
PREREQUISITES: Permission of instructor and Department Chair.

POL-4605(3) DIRECTED READINGS (D) A directed reading is an individual course of study arranged in consultation with a departmental supervisor. The program of reading and consultation is arranged by the supervisor and the student. The student is required to write a major paper and take an oral examination with a second reader based on it.
PREREQUISITES: Permission of instructor and Department Chair.

POL-4610(6) HONOURS THESIS (P) Students enrolled in this course will pursue a programme of independent research under the supervision of a faculty member. Students proposing to enrol in this course must consult a Department Honours advisor.
PREREQUISITES: Admission to the Honours programme; approval of the Honours Advisor.

Note: Graduate (MPA) courses are identified as 'GPOL'.

GPOL-7300(3) SEMINAR IN THEORY AND PRACTICE OF PUBLIC ADMINISTRATION I (S3) The intent of this course is to provide insight into the exigencies of actual public administration. The course will be conducted on a topical basis within the framework of certain trends facing Canadian governments today. The course will attempt to utilize to the fullest extent possible the particular expertise of students in the program, faculty members, whether or not teaching in the program, and of both elected and appointed public officials. The topics in GPOL-7300(3) will **not** duplicate GPOL-7305(3).
RESTRICTIONS: Students may not receive credit for both GPOL-7300(3) and the former POL-7333(3).

GPOL-7305(3) SEMINAR IN THEORY AND PRACTICE OF PUBLIC ADMINISTRATION II (S3) The intent of this course is to provide insight into the exigencies of actual public administration. The course will be conducted on a topical basis within the framework of certain trends facing Canadian governments today. The course will attempt to utilize to the fullest extent possible the particular expertise of students in the program, faculty members whether or not teaching in the program, and of both elected and appointed public officials. The topics in GPOL-7305(3) will **not** duplicate GPOL-7300(3).
RESTRICTIONS: Students may not receive credit for both GPOL-7305(3) and the former POL-7334(3).

GPOL-7320(3) SEMINAR IN THE PUBLIC POLICY PROCESS (S3) The focus of this seminar is on the process of formulating and carrying out policies in the Canadian political system. Various models of the policy-making process will be discussed and their applicability to the Canadian setting will be considered. The function and role of different participants will be examined and in particular the impact of political, social and economic environment and institutional structures on different policy outcomes will be examined.
RESTRICTIONS: Students may not receive credit for GPOL-7320(3) and the former POL-7351(3).

GPOL-7325(3) SEMINAR IN PUBLIC POLICY ISSUES (S3) This seminar is focussed on selected public policy areas and the issues pervading them.
RESTRICTIONS: Students may not receive credit for both GPOL-7325(3) and the former POL-7352(3).

GPOL-7331(6) DIRECTED READINGS IN PUBLIC ADMINISTRATION (D) The program of reading and consultation will be arranged between the Instructor and the student, and if taken for credit toward the Master of Public Administration (MPA) program will need the consent of the Joint Discipline Committee of that program. The student will be required to write a major paper and take an oral examination with a second reader based on it.

PREREQUISITES: Permission of the instructor and Department, and of the Joint Discipline Committee for the MPA if taken for program credit.

GPOL-7335(3) DIRECTED READINGS IN PUBLIC ADMINISTRATION (D) The course will consist of a program of reading and consultation arranged between the student and the instructor. The student will be required to write a paper and take an oral examination with a second reader based on it.

PREREQUISITES: Permission of the instructor and Department, and of the Joint Discipline Committee for the MPA if taken for MPA program credit.

GPOL-7380(6) SPECIAL TOPICS SEMINAR IN PUBLIC ADMINISTRATION (S3) The course will concentrate on a topic of primary relevance to students of public administration. Examples of such topics are the role of public bureaucracy in Canadian federalism; the regulatory process in Canada; the role of the Crown corporation; issue in health care policy; public administration in Manitoba; gender and public policy. The course may be repeated for credit when topic varies.

GPOL-7385(3) SPECIAL TOPICS IN PUBLIC ADMINISTRATION (S3) The course concentrates on a topic of primary relevance to students of public administration. Examples of such topics are the role of public bureaucracy in Canadian federalism, the regulatory process in Canada, the role of Crown corporations, issues in health care policy, public administration in Manitoba, and gender and public policy. The course may be repeated for credit when the topic varies.

GPOL-7505(6) POLITICS OF URBAN PLANNING (S3) This course is a study of the political objectives that can be achieved through urban planning as well as the political restraints upon planning. The course adopts a comparative perspective, looking at the politics of planning in selected countries. It also considers the involvement of various levels of government in urban planning.

RESTRICTIONS: Students may not receive credit for both this course and POL-4505(6) or the former POL-4334(6) or GPOL-7335(6).

EXPERIMENTAL COURSES

POL-3216(3) SPECIAL TOPICS IN POLITICAL THEORY (Le3) This course examines a range of specialized issues in political theory. Topics covered may include Trudeau's political thought, Gramsci as a thinker, Hobbes's feminism, and globalization and inequality.

POL-4216(3) SPECIAL TOPICS IN POLITICAL THOUGHT (S3) This course examines a range of specialized issues in political theory. Topics covered may include Trudeau's political thought, Gramsci as a thinker Hobbes's feminism, and globalization and inequality.

PREREQUISITES: One 3 credit hour course in Area 2 or PHIL-2205(6) or permission of instructor

RESTRICTIONS: Students may not receive credit for both this course and the former POL-4215(3) or POL-4240(3).

PSYCHOLOGY (PSYC)

Updated August 12, 2013

Note: The department/program code PSYC replaces the former code 44. Students cannot hold credit in PSYC-xxxx and the former 44.xxxx having the same course number (e.g., PSYC-1000(6) and 44.1000(6)).

Chair: Professor J. Clark; Professor Emeritus: R. Norton; Professors: D. Bourassa, H. Bradbury, B. Fehr, W. Josephson, M.C. McIntyre, G. Rockman, H. Strub, D.A. Williams; Associate Professors: H. Aujla, B. Bolster, P.M. Pearson, L.M. Sinclair, S. Smith, P. Trapnell; Assistant Professors: A. Desroches; J. Frimer; D. Gaucher; Instructors: M.K. Halldorson; Senior Scholars: B. Kelly, M.K. Kerr, E. Schaefer; Adjunct Professors: D. Bailis; J. Kornelson, S. Skwarchuk, U. Sboto-Frankenstein.

DEGREES/PROGRAMS OFFERED

**3-Year BA
Honours BA**

INTRODUCTION

Psychology is the scientific study of the mind and behaviour, in essence, why people feel, think, and act the way that they do. The Psychology Department offers courses to acquaint students with theory and research in the diverse areas of study examined by academic psychologists, including Developmental Psychology, Social Psychology, Physiological Psychology (Neuroscience), Organizational Psychology, and Forensic Psychology. Students are also exposed to laboratory methods of investigation. These programs prepare students for further study in psychology and related fields, for example, education, speech pathology, law, business, and human services. For more information on the Psychology Department see www.uwinnipeg.ca/index/psychology-index.

REQUIREMENTS FOR A 3-YEAR BA IN PSYCHOLOGY

ADMISSION REQUIREMENT	Students are advised, but not required to consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours. Minimum 6 credit hours at the 3000 level or above in Psychology.
Double Major:	30 or 36 credit hours in each Major subject, as specified.
Combined Major:	Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.
Required courses:	
	PSYC-1000(6) Introductory Psychology, or a 3 credit introductory course transferred from another university as PSYC-1000(3) minimum 2.0 GPA (C)
	PSYC-2101(3) Introduction to Data Analysis or equivalent STAT-1201(6), STAT-1501(3), or STAT-1601(3).
	PSYC-2102(3) Introduction to Research Methods
	Minimum of 3 credit hours from Entry Category A (Social Sciences), to be selected from:
	PSYC-2200(3) Developmental Psychology I: Fundamentals
	PSYC-2300(3) Personality Psychology
	PSYC-2400(3) Social Psychology I
	Minimum of 3 credit hours from Entry Category B (Natural Sciences), to be selected from:
	PSYC-2600(3) Attention and Memory
	PSYC-2610(3) Perception I
	PSYC-2800(3) Fundamentals of Animal Learning
	PSYC-2900(3) Physiological Psychology I

Advisory:

Students who declared a major in Psychology prior to April 30, 2000 are not required to obtain 3 credit hours in each of the Entry Categories A and B above. Students with a 3.0 GPA (B) in Psychology courses are eligible to take 4000-level courses, but must receive permission from the Psychology Department's Honours Committee before registering for 4000-level courses.

Note that a 3-Year BA is *not* normally sufficient for admission to graduate studies. Students normally enrol in PSYC-2101(3) and PSYC-2102(3) in their 2nd year.

GENERAL INFORMATION

Prerequisites: **PSYC-1000(6) Introductory Psychology** or a 3 credit introductory course transferred from another university as **PSYC-1000(3)** is required for registration in all other Psychology courses. A grade of C or better in PSYC-1000 Introductory Psychology, or a 3 credit introductory course transferred from another university as **PSYC-1000(3)**, and a minimum 2.0 overall GPA (C) is required for acceptance to the Major program.

REQUIREMENTS FOR AN HONOURS BA IN PSYCHOLOGY

The Honours program gives students of demonstrated ability an opportunity to deal more deeply with the subject matter of Psychology and to prepare for graduate study in Psychology or for advanced study in related fields. Honours courses generally have smaller enrolments and give more emphasis to research than do general courses. Honours students must consult with an Honours Psychology advisor prior to each registration.

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.
Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.
The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.
The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., Fs are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT

Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.
Minimum 30 credit hours in 4000-level Honours courses.
Double Honours: Minimum 36 credit hours in each Honours subject.
Minimum 24 credit hours in 4000-level Honours courses in the Psychology component of the double Honours. For the requirements of the other Honours subject, consult the department involved.

Required courses:

PSYC-1000(6) Introductory Psychology or a 3 credit introductory course transferred from another university as **PSYC-1000(3)**

PSYC-2101(3) Introduction to Data Analysis or STAT-1201(6) STAT-1301(3) or STAT-1501(3) or STAT-1601(3).

PSYC-2102(3) Introduction to Research Methods

PSYC-4100(6) Research Design and Data Analysis

PSYC-4040(6) Honours Thesis

Minimum of 6 credit hours from Entry Category A (Social Sciences), to be selected from:

PSYC-2200(3) Developmental Psychology I: Fundamentals

PSYC-2300(3) Personality Psychology

PSYC-2400(3) Social Psychology I

Minimum of 6 credit hours from Entry Category B (Natural Sciences), to be selected from:

PSYC-2600(3) Attention and Memory

PSYC-2610(3) Perception I

PSYC-2800(3) Fundamentals of Animal Learning

PSYC-2900(3) Physiological Psychology I

Advisory:

All 4000-level courses are Honours courses and are ordinarily taken in the 3rd and 4th years.

Honours students are advised to enrol in **PSYC-2101(3)** (or equivalent) and **PSYC-2102(3)** in their 2nd year.

Honours students should begin fulfilling their Entry Category requirements with a minimum of two, 3 credit hour courses in their 2nd year.

Honours students normally register for **PSYC-4100(6)** in their 3rd year.

The Honours thesis course, **PSYC-4040(6)**, is normally taken during the last registration period.

COURSE DESCRIPTIONS

Courses in Psychology are organized into nine areas (see Course Listings). Students are advised to sample courses broadly from these areas, and to consider gaining perspective on the historical development of their discipline by taking a history of psychology course. Consult WebAdvisor or the appropriate Timetable on the website for courses to be offered during the current term. **Note that Introductory Psychology PSYC-1000(6) is a prerequisite for all other Psychology courses.** Most 3000- and 4000-level courses have additional prerequisites or corequisites. Students are advised to carefully consider these requirements in planning their programs.

PSYC-1000(6) INTRODUCTORY PSYCHOLOGY (Le3)

This course provides an introduction to the scientific analysis of behaviour and mental activity from the biological, social, and individual perspectives. Major topics include the following: perception, motivation, learning, memory, intelligence, personality, states of consciousness, social interaction, developmental processes, hereditary and environmental influences, abnormal psychology, therapeutic methods, and procedures for collecting and summarizing data. Students are expected to participate directly or indirectly in the Department's ongoing research program. This course is prerequisite for all other Psychology courses.

RESTRICTIONS: Students cannot receive credit for both PSYC-1000(6) and PSYC-1000(3) (transferred introductory course from another university).

PSYC-2101(3) INTRODUCTION TO DATA ANALYSIS (Le3,La3)

This lab course introduces basic data analytic techniques appropriate to experimental and non-experimental research designs. Topics include frequency distributions, descriptive statistics (e.g., mean, standard deviations), and inferential statistics (e.g., estimation and hypothesis testing for means, correlation and count data). The lab component provides an opportunity to develop computational and basic computer skills relevant to data analysis. This course is required for Majors and Honours students in Psychology.

RESTRICTIONS: Students cannot receive credit for both PSYC-2101(3) and (a) STAT-1201(6), (b) STAT-1501(3), or (c) STAT-1601(3).

PSYC-2102(3) INTRODUCTION TO RESEARCH METHODS (Le3,La3)

This lab course introduces basic research designs. Topics include observation and measurement, reliability and validity, balanced coverage of experimental and non-experimental design strategies, control of extraneous variables, generalizability, and research communication. The lab component provides an opportunity to apply knowledge to research experiences that sample from representative areas of psychology. This course is required for Majors and Honours students in Psychology.

PREREQUISITE: PSYC-2101(3) or former STAT-1201(3) or STAT-1301(3) or STAT-1501(3) or former STAT-1601(3).

RESTRICTIONS: Students with standing in the former PSYC-2100(3) may not receive credit for PSYC-2102(3).

PSYC-2200(3) DEVELOPMENTAL PSYCHOLOGY I: FUNDAMENTALS (Le3)

This course, along with PSYC-3200(3), serves as an introduction to developmental psychology. This course covers the following topics: historical and philosophical background (e.g., the nativist-empiricist conflict), theories of development, the biological foundations of early ontogeny (i.e., heredity, conception, prenatal development, and early post-natal development of the nervous system), developmental methodology, and the basics of human perceptual and cognitive development. This is the single 3 credit hour course prerequisite for more advanced courses in the developmental area.

PSYC-2210(3) INTRODUCTION TO EDUCATIONAL PSYCHOLOGY (Le3)

This course examines how the basic

principles of psychology can be applied to educational research. Topics include heredity, environment, and maturation; motivation and learning; concept formation and creativity; teacher-student interactions; the school as a social system; and current technological advances in education.

PSYC-2300(3) PERSONALITY PSYCHOLOGY (Le3)

This course introduces the various aspects of personality study. These may include (a) theories of personality, ranging from Freudian and revisionist Freudian perspectives to current formulations; (b) personality assessment from a psychometric perspective; and (c) past and present research on personality processes and individual differences.

PSYC-2400(3) SOCIAL PSYCHOLOGY I (Le3)

This course emphasizes the social behaviour and cognitions of the individual in social context. Central topics dealt with from this perspective include social perception and impression formation; attitudes, beliefs, and values; prejudice and discrimination; and the formation and function of the social self. Other relevant topics include sex and gender roles and differences; moral judgment; social development, and social psychology applied to health, law, and justice. Theories and methodology relevant to this orientation and these topics will be examined.

PSYC-2410(3) SOCIAL PSYCHOLOGY II (Le3)

This course emphasizes the social behaviour that emerges in groups of individuals in various interrelationships in social contexts. The theory and method necessary to understanding the principles governing this emergent social behaviour are stressed. Central topics include group dynamics; affiliation, attraction, and close relationships; interpersonal communication and transactions; aggression; prosocial behaviour and altruism; leadership; social change and conflict; and conformity and social control. Other relevant topics include organizational psychology and environmental psychology.

PREREQUISITE: PSYC-2400(3).

PSYC-2420(3) THE PSYCHOLOGY OF SEX AND GENDER (Le3)

This course examines whether and to what extent behaviours and attributes are gender-and/or sex-related. The psychological literature is examined for findings pertinent to the question of female-male differences and similarities, and for indications of socio-cultural and biological factors that may explain these findings. Current social beliefs and norms concerning sex and gender are examined in the light of existing data.

PSYC-2430(3) PSYCHOLOGICAL APPROACHES TO SOCIAL ISSUES (Le3)

This course examines issues of social importance in light of psychological theory and research findings. The issues to be considered will vary with offerings of the course, but will include topics such as the psychology of war and peace, the social psychology of mental health care, the social applications of psychometric testing, the psychology of economic behaviour, etc. The specific topics for a particular offering may be obtained in advance from the Department.

PSYC-2440(3) ORGANIZATIONAL PSYCHOLOGY I (Le3)

This course is an introduction to the behaviour of individuals

in organizations, focussing on research methods in industrial/organizational psychology, effects of individual personality and perception on organizational behaviour, communication in organizations, learning and motivation, job design, work stress, and career planning and development.

RESTRICTIONS: Students with standing in the former 81.2102(6) may not receive credit for PSYC-2440(3). Students may not receive credit for both this course and BUS-2103(3) or the former BUS-2102(6).

PSYC-2450(3) ORGANIZATIONAL PSYCHOLOGY II (Le3)

This course covers topics related to group and organizational processes, including group dynamics, leadership, organizational conflict, power and organizational politics, organizational culture and socialization, organizational structure and design, and organizational development and change.

PREREQUISITE: PSYC-2440(3) or BUS-2103 (3).

RESTRICTIONS: Students with standing in the former 81.2102(6) may not receive credit for PSYC-2450(3). Students with standing in the former BUS-2102(6) may not receive credit for PSYC-2450(3).

PSYC-2600(3) ATTENTION AND MEMORY (Le3)

This course examines attentional and memory mechanisms from an information-processing perspective, in which the human is viewed as an active processor of information. Topics to be discussed include attention, coding and retrieval mechanisms, short and long term retention and organizational processes in attention and memory. Demonstrations illustrating major principles in attention and memory and exercises for improving memory skills are included.

PSYC-2610(3) PERCEPTION I (Le3)

At the border between the physical world and the mind lie the senses. Exactly how the senses manage to gather information about the world is a difficult question that has long engaged physicists, physiologists, anatomists, psychologists, engineers, and computer scientists. This course surveys the results and theories of this interdisciplinary field. The course is valuable preparation for those interested in such areas as audiology, optometry, human factors engineering, medicine, and psychology.

PSYC-2620(3) PSYCHOLINGUISTICS (Le3)

This course provides an examination of the various models and approaches to language behaviour, with particular emphasis on contemporary psycholinguistic theory and research. Topics include language acquisition, the physiological and cognitive processes mediating language behaviour, semantic considerations, symbolic behaviour, animal communication, and the cultural context of language. This course may be of particular interest to students anticipating graduate study in communication disorders and psycholinguistics.

PSYC-2700(3) INTRODUCTION TO CLINICAL PSYCHOLOGY (Le3)

This course will provide a comprehensive introduction to the broad field of clinical psychology. There will be a focus on models of clinical psychology, clinical research and practice, clinical judgement, and ethical, professional, and political issues related to the discipline.

PSYC-2800(3) FUNDAMENTALS OF ANIMAL LEARNING (Le3)

Contemporary approaches to the study of animal learning will be considered in order to highlight changes in perspectives occurring over the last fifteen years. Areas explored include animal cognition, evolutionary continuity of learning, and the application of learning principles to aid the understanding of clinical phenomena such as pain sensitivity and drug tolerance.

PSYC-2900(3) PHYSIOLOGICAL PSYCHOLOGY I (Le3,La3)

This course is an introduction to the physiological determinants of behaviour. The development, structure, and function of the nervous and endocrine systems are considered in detail. Topics to be covered include the brain bases of sensory, motor, and cognitive processes.

PSYC-2920(3) DRUGS AND BEHAVIOUR (Le3)

An examination of the physiological means through which drugs exert their effects on behaviour will constitute the core of this course. Topics covered include the assessment of behavioural drug effects, the basic structure and function of the nervous system and general principles of pharmacology.

PSYC-3030(3) HISTORICAL DEVELOPMENTS IN PSYCHOLOGY (Le3)

This course is concerned with the development of modern scientific psychology and the cultural, social and political backgrounds against which that development has occurred. The first part of the course deals with the major emergent themes of psychology as science and profession. The second part will choose one of the broad divisions of modern psychology--cognitivism, social, developmental, personality, etc.--and trace major historical changes into the late twentieth century. The choice of specialized topics will vary from year to year.

PREREQUISITE: PSYC-2102(3) or permission of instructor.

PSYC-3050(3) CULTURE AND PSYCHOLOGY (Le3)

This course will examine research findings, theory, and methods related to the study of human behaviour and experience as a function of culture. Culture will be interpreted to include ethnicity and social class, but may also include other societal factors that have a similarly broad effect. We will examine the influence of culture on such domains as basic perceptual and cognitive processes, human development and family processes, and issues in social, personality, clinical, and abnormal psychology. Specific methodological and theoretical issues, such as proposals for indigenous theories and methods, will also be considered.

PREREQUISITE: At least 3 credit hours in Psychology beyond the 1000-level or permission of instructor.

PSYC-3200(3) DEVELOPMENTAL PSYCHOLOGY II: CHILDHOOD (Le3)

This course complements PSYC-2200(3) as the second part of an introduction to developmental psychology. The emphasis here is on theory and research on children. Topics covered will include personality and social development, as well as areas of study that will vary from offering to offering of the course (e.g., perceptual and cognitive development beyond the basics offered in PSYC-2200(3), language, intelligence, abnormal development).

PREREQUISITE: PSYC-2200(3).

RESTRICTIONS: Students who completed PSYC-2200(3) prior to September 1, 1996 may not take this course for credit.

PSYC-3220(3) ADULT PSYCHOLOGY (Le3)

This course examines theoretical views, research methodology, and research evidence pertaining to human functioning during adulthood and aging. In addition to examining basic processes such as memory and learning, attention will be given to such topics as job selection, marriage, retirement, life satisfaction, and death and dying.

PREREQUISITE: PSYC-2200(3).

PSYC-3230(3) ADOLESCENT PSYCHOLOGY (Le3)

This course examines contemporary data and theory concerning the nature of adolescence. Topics to be covered include: definition and history of theory and research on adolescence; family power structure; parent-peer cross-pressure; sex role development; identification; cognitive development; and the youth culture.

PREREQUISITE: PSYC-2200(3).

PSYC-3300(3) EMPIRICAL APPROACHES TO PERSONALITY (Le3) This course focuses on controlled empirical studies of major personality variables and related mini-theoretical developments rather than on the grand theories of personality derived from clinical observation.

PSYC-3450(3) ORGANIZATIONAL LEADERSHIP AND DECISION MAKING (Le3) This course provides an in-depth survey of research and theory about leadership and decision making in organizations. Power, trait, behavioral, contingency-based, social exchange and transformational models of organizational leadership are examined. Additional topics include leadership styles for effective group decision making, ethics in leadership and the impact of gender and culture on leadership.

PREREQUISITES: PSYC-2400(3) or PSYC-2440(3) or BUS-2103(3).

PSYC-3470(3) PSYCHOLOGY AND THE LAW (Le3) This course will explore some of the ways in which psychological principles can be used to understand and change behaviour in legal settings. Topics to be discussed include: eyewitness testimony and identification, decision making in legal contexts, and the role of the psychologist as expert Advisor in the legal setting. Research on psychological factors in the legal system will receive special emphasis.

PREREQUISITES: CJ-2101(3), or SOC-2125(3) and SOC-2126(3), or PSYC-2101(3) and PSYC-2102(3).

PSYC-3480(3) INTERPERSONAL COMMUNICATION (Le3) This course emphasizes the multilevel communication processes that underlie and support social interaction and relationship formation and change. Special attention is given to the differences and connections between verbal and nonverbal communication and to the rules and rituals of social interaction in everyday life. The methodologies basic to the understanding of communication processes are also stressed.

PREREQUISITES: PSYC-2400(3) or permission of instructor.

PSYC-3600(3) COGNITIVE PROCESSES (Le3) This course examines the nature of higher-order cognitive processing such as memory, thinking, problem solving, creativity, and decision making. The role of language in such processes is examined, and the application of cognitive principles in real life discussed. Demonstrations illustrating major cognitive principles and exercises for improving cognitive skills are included.

PREREQUISITES: PSYC-2600(3) or permission of instructor.

PSYC-3700(3) ABNORMAL BEHAVIOUR IN ADULTS (Le3) This course will provide information important to the understanding of psychopathologies that occur in adulthood. Various perspectives (e.g., genetic/biological, social, etc.) and theories (e.g., behavioural, cognitive, psycho-dynamic, etc.) of abnormal behaviour will be discussed. A major emphasis will be placed on current research in understanding psychopathology.

PREREQUISITES: PSYC-2102(3) or permission of instructor.

PSYC-3710(3) ABNORMAL BEHAVIOUR IN CHILDREN AND ADOLESCENTS (Le3) This course will provide information important to the understanding of psychopathologies that occur during childhood and adolescence. Various perspectives (e.g., genetic/biological, social, etc.) and theories (e.g., behavioural, cognitive, psycho-dynamic, etc.) of abnormal behaviour will be discussed. A major emphasis will be placed on current research in understanding psychopathology that occurs during childhood and adolescence.

PREREQUISITES: PSYC-2200(3) or permission of instructor.

PSYC-3720(3) BEHAVIOUR MODIFICATION (Le3) This course deals with the application of the principles of conditioning theory to the teaching and modification of human behaviour.

PSYC-3740(3) INTRODUCTION TO FAMILY PROCESSES (Le3) This course will cover the theoretical aspects of family processes. Emphasis will be given to various theoretical formulations of family dynamics and treatment strategies. The use of family therapy for the treatment of various disorders will be discussed and compared to individual treatment approaches.

PSYC-3830(3) / PSYC-4830(3) GENES, EVOLUTION, AND BEHAVIOUR (Le3) This course examines behaviour from the point of view of genetic inheritance and evolution. Emphasis is placed on the ways in which genetic analysis can help us to understand the interplay between the environment and genes in the determination of behaviour. Topics include genetic defects and chromosomal anomalies, classical ethology, population genetics, heritability estimation, and that aspect of population ethology known as sociobiology. Course content is the same for PSYC-3830(3) and PSYC-4830(3). Additional in-depth work will be required for credit at the 4000 level.

PREREQUISITE: PSYC-1000(6). Students registering at the 4000 level must have the permission of the department.

RESTRICTIONS: Students may not receive credit for both PSYC-3830(3) and PSYC-4830(3).

PSYC-3900(3) PHYSIOLOGICAL PSYCHOLOGY II (Le2, La2) This course is a continued study of the structure and function of the nervous system with an emphasis on the physiological and neurological processes underlying regulatory, instinctual and social behaviour in animals and humans, and on brain systems involved in learning and memory. Laboratories focus on research techniques in neuroscience, including neuroanatomy, histology, electrophysiology, and neuroimaging. **PREREQUISITE:** PSYC-2900(3).

PSYC-3910(3) HUMAN NEUROPSYCHOLOGY (Le3) The course assumes basic knowledge of neuroanatomy and focuses on the understanding of neural function provided by a study of congenital malformation of structure, brain disease and behavioural loss. Topics include the following: developmental anomalies and associated behaviours; plasticity and recovery of function following insult or disease; localization of function; hemispheric specialization; epilepsy. Although not a prerequisite, Human Neuropsychology would be especially useful as a background for all the following courses: PSYC-2600(3), PSYC-3600(3) and PSYC-4600(3).

PREREQUISITE: PSYC-2900(3).

PSYC-3920(3) COGNITIVE NEUROSCIENCE (Le2, La2) This course provides an introduction to the field of cognitive neuroscience, the study of the neural substrates underlying cognitive functions. The course will examine the cognitive functions performed by all of the major brain areas, including memory, language, movement, emotion, and decision-making. Specific emphasis will be placed on understanding how different brain systems interact in order to support complex cognitive behaviours. The course is expected to provide a strong foundation in the converging fields of cognitive psychology and neuroscience; laboratories are expected to provide the research skills necessary to test the cognitive functions discussed during lectures.

PREREQUISITE: PSYC-2900(3).

PSYC-3930(3) MIND, BRAIN AND BODY This course explores the new fields of psychoneuroimmunology and Positive Psychology examining how the brain and the body are influenced by psychological phenomena. Conversely,

bodily states can influence and even trigger disorders of the mind. The course focuses on the physical and psychological consequences of stress and adversity and on different means of maximizing resilience and minimizing harm. Important amongst the psychological means of promoting health are the techniques being developed as part of Positive Psychology. Positive Psychology fosters psychological and, reciprocally, physical health by promoting and strengthening positive (parasympathetic) emotions, fostering active engagement, and identifying meaningful activity.

PREREQUISITE: PSYC-2101(3) and PSYC-2102(3) or permission of the instructor. PSYC-2900(3) is highly recommended.

PSYC-4010(3) ADVANCED READING AND RESEARCH IN PSYCHOLOGY I (P) This course allows students to engage in specialized readings and/or research of their own choice under the direction of a member of the Department of Psychology. Normally only subject matter not covered in an available course will be selected. Prior to registering for this course, a student must select an Advisor, prepare an Instructor-approved course of study, and submit the course of study for review by the Psychology Honours Committee. Forms are available from the Department of Psychology outlining this procedure. Registration will not be accepted without the completed forms.

PREREQUISITE: PSYC-4100(6).

PSYC-4020(3) ADVANCED READING AND RESEARCH IN PSYCHOLOGY II (P) This course allows students to engage in specialized readings and/or research of their own choice under the direction of a member of the Department of Psychology. Normally only subject matter not covered in an available course will be selected. Prior to registering for this course, a student must select an Advisor, prepare an Instructor-approved course of study, and submit the course of study for review by the Psychology Honours Committee. Forms are available from the Department of Psychology outlining this procedure. Registration will not be accepted without the completed forms.

PREREQUISITE: PSYC-4010(3).

PSYC-4030(3) PSYCHOLOGICAL ISSUES IN HISTORICAL PERSPECTIVE (Le3) This course deals systematically with selected theoretical and methodological issues common to contemporary psychology and its recent history. In any given year, consideration will be restricted to one or two major issues to be dealt with at an advanced level. The issues selected will be made known to students in advance registration.

PSYC-4040(6) HONOURS THESIS (Le2, LaV) To complete the Honours degree each student must satisfactorily complete during his/her final year, a program of research under the supervision of at least two faculty members. Students wishing to enrol in this course should consult with the Department of Psychology.

PREREQUISITES: PSYC-4100(6) or permission of Psychology Honours Committee.

PSYC-4100(6) INTERMEDIATE RESEARCH DESIGN AND DATA ANALYSIS (Le3, La3) This lab course extends the basic research and data analysis methods introduced in 2101(3) and 2102(3). Topics in this course include intermediate research methods (e.g. computer-aided research design and literature search, construct validity), intermediate data analysis methods (e.g., analysis of variance and partial/multiple correlation techniques for selected experimental and non-experimental designs), and current issues in social science methodology. The lab component provides opportunities to design, execute, analyze, and report the results of behavioural research, and

emphasizes the use of computers in research design and data analysis (e.g., the use of such statistical packages as BMDP, SAS, and SPSS). This course is required of all students in the Psychology Honours program.

PREREQUISITE: PSYC-2102(3).

PSYC-4200(3) TOPICS IN DEVELOPMENTAL PSYCHOLOGY (Le3) This course will examine selected topics in Developmental Psychology not covered by PSYC-4250(3) Social Development and PSYC-4250(3) Cognitive Development. The exact topic(s) covered will be determined by the instructor and may vary from year to year.

PREREQUISITE: PSYC-2200(3).

PSYC-4240(3) SOCIAL DEVELOPMENT (Le3) This seminar course examines theory and research concerning social development from birth to adolescence. It will include topics such as attachment, sense of self, peer relations, play, aggression, prosocial development, moral development, family and other socialization influences, and gender role development.

PREREQUISITES: PSYC-2200(3) and PSYC-2101(3).

PSYC-4250(3) COGNITIVE DEVELOPMENT (Le3) This course introduces the student to contemporary research in areas such as memory, language, and logical thinking, that comprise the psychological study of mental growth from birth to adulthood.

PREREQUISITE: PSYC-2102(3).

PSYC-4260(3) PRENATAL AND INFANT DEVELOPMENT (S3) This seminar course examines theory and research concerning prenatal and infant development. It will include topics such as genetic and environmental prenatal influences; the perinatal period; temperament; and infant physical, sensory, perceptual, cognitive, and social development.

PREREQUISITES: PSYC-2200(3) and PSYC-2101(3).

PSYC-4300(3) TOPICS IN PERSONALITY (Le3) This course will examine selected topics in personality theory and/or research. The exact topic(s) covered will be determined by the Instructor and may vary from year to year.

PREREQUISITES: PSYC-2300(3) or PSYC-3300(3).

PSYC-4350(3) FREUD: ON PERSONALITY AND CLINICAL PRACTICE (Le3) This course, together with its sequel (PSYC-4355(3)), presents most of Sigmund Freud's psychological writing as it appears in the definitive English text, *The Standard Edition*. This first half covers Freud's theory of personality, including his concepts of the unconscious, infantile sexuality, the Oedipus complex, and dream interpretation. The course focuses on Freud's earlier writings and on the case studies of Dora, Little Hans, Rat Man, and Schreber.

PSYC-4355(3) FREUD: ON SOCIETY AND CULTURE (Le3) This course, the complement to PSYC-4350(3), is the second half of a survey of Sigmund Freud's work as it appears in the *The Standard Edition*. The concern here is with the social theories Freud developed during the second half of his career. The major writings covered will be *Totem and Taboo*, *The Future of an Illusion*, *Civilization and Its Discontents*, *Group Psychology and the Analysis of the Ego*, *Moses and Monotheism*, and the case study of the Wolf Man. A principle theme of these works is the proposition that civilization relies, somewhat precariously, on a renunciation of instinct. While stressing the large titles listed above, the course follows the idea of instinctual ambivalence through various of Freud's shorter writings on sexuality (e.g., "Civilized sexual morality and modern nervous illness") and on literature and art (e.g., "Dostoevsky and parricide").

PSYC-4400(3) TOPICS IN SOCIAL PSYCHOLOGY (Le3)

This course is designed for the student who has some background in social psychology and wants to become acquainted with ongoing areas of social psychological research. Several topics will be investigated in depth, and these may vary from year to year. Topics might include prejudice and attitude change, the effects of media, gender roles, interpersonal attraction, aggression, or others.

PREREQUISITE: PSYC-2410(3).

PSYC-4410(3) RESEARCH SEMINAR IN SOCIAL PSYCHOLOGY (Le3)

This course is designed for the student who has some background in social psychology and methodology and wants to pursue some aspect of it in depth. Each year the course will focus on a particular broad theoretical or applied area of social psychology (e.g., social cognition, group processes, interpersonal relationships) and students will pursue individual projects from within that area. Through exposure to these individual projects and a core of assigned readings, students will attempt to develop an understanding of the theoretical and methodological issues that are important to the development of research in the chosen area of social psychology.

PREREQUISITES: PSYC-2410(3) and PSYC-4100(6) or permission of instructor.

PSYC-4450(3) ADVANCED ORGANIZATIONAL PSYCHOLOGY (Le3)

This course focuses on current theory and research in a wide range of areas within the field of industrial/organizational psychology. Critical examination of methodology, instrumentation, logic and philosophy underlying current theories are emphasized, as is applicability to a variety of organizational settings.

PREREQUISITES: PSYC-2440(3) or BUS-2103 (3), and PSYC-2101(3) or permission of instructor.

PSYC-4600(3) TOPICS IN HUMAN LEARNING AND MEMORY (Le3)

This course examines current research and theory in human learning and memory, with a particular emphasis on the historical development of issues in this area. The range of topics will vary depending on the interests of students.

PREREQUISITES: PSYC-2600(3) or permission of instructor.

PSYC-4610(3) TOPICS IN PERCEPTION (Le3) A research-based course consisting of lectures, demonstrations, and seminars on special topics relating to sensory and perceptual mechanisms in humans and non-humans. The range of topics will vary, depending on particular interests of students and current interests of the instructor.

PREREQUISITES: PSYC-2610(3); PSYC-3611(3) is also recommended.

PSYC-4630(3) TOPICS IN COGNITIVE PSYCHOLOGY (Le3)

This course examines a specific theoretical or applied topic in cognitive psychology. Sample topics might include: memory development, inhibitory mechanisms in cognition, cognitive psychology in education, and cognitive retraining after head injury. Please consult the Psychology Department for the current topic.

PREREQUISITES: PSYC-2600(3) or permission of instructor; PSYC-4100(6) is recommended.

PSYC-4700(3) TOPICS IN ABNORMAL BEHAVIOUR (Le3)

This is an advanced level seminar in abnormal psychology. The focus of the course will be on recent research related to theories and mechanisms of abnormal behaviour. Topics will include factors related to the development, maintenance, and treatment of abnormal behaviour in children and adults.

PREREQUISITES: PSYC-4100(6) or permission of instructor.

PSYC-4730(3) BIOLOGICAL CONSIDERATIONS IN CLINICAL PSYCHOLOGY (Le3)

This course will deal with

the biological bases of several psychological disorders. In addition, the various psychotherapeutic and pharmacological treatments will be discussed and compared. Topics may include disorders such as alcoholism, anorexia nervosa, mania, depression, schizophrenia, Parkinsonism, Huntington's Chorea, Alzheimer's disease.

PSYC-4750(3) PSYCHOLOGICAL TESTING (Le3)

This course deals with the theory, construction, and use of psychological tests. Primary emphasis is given to exploring the basic concepts in testing and general ability tests.

PSYC-4760(3) INTRODUCTION TO COUNSELLING THEORY (Le3)

This course is an introduction to the theories and publications of the major contributors to counselling and psychology.

PREREQUISITE: PSYC-4100(6).

PSYC-4770(3) INTRODUCTION TO INTERVIEWING (Le3)

This course is an introduction to the interview, focussing primarily on the therapeutic interview. Factors such as verbal and non-verbal communication, client expectations, and relationship variables will be examined.

PREREQUISITE: PSYC-4760(3).

PSYC-4800(3) TOPICS IN ANIMAL LEARNING (Le3)

This course examines the mechanisms that underlie simple forms of learning in animals. Topics may vary from year to year.

PREREQUISITES: PSYC-2800(3) or permission of instructor.

PSYC-4830(3) GENES, EVOLUTION, AND BEHAVIOUR see PSYC-3830(3)**PSYC-4900(3) TOPICS IN PHYSIOLOGICAL PSYCHOLOGY (Le3)**

This is an advanced seminar in physiological psychology. Topics are dependent upon the Instructor; students wanting more information are advised to check with the Psychology Department before enrolling.

PREREQUISITE: PSYC-3900(3).

PSYC-4920(3) TOPICS IN COGNITIVE NEUROSCIENCE (Le3)

This course provides a detailed survey of the emerging field of cognitive neuroscience. This interdisciplinary field examines the neural mechanisms contributing to cognitive, affective, and social processes. Topics may vary from year to year, and are discussed from neuroscience and behavioural perspectives with special emphasis on solving the research-design challenges associated with analyzing complex behaviours.

PREREQUISITE: PSYC-2900(3) and PSYC-3920

RADIATION THERAPY (RT)

Updated July 10, 2013

Chair of Physics: D. Vincent; Manager, Educational Services, CancerCare Manitoba: C. Zeller

DEGREES/PROGRAMS OFFERED

4-Year BSc

INTRODUCTION

The Radiation Therapy program is a Joint Diploma/Degree program between the University of Winnipeg and CancerCare Manitoba. The Department of Physics is the administrative link from the University to the School of Radiation Therapy at CancerCare.

Radiation Therapists are Medical Radiation Technologists (MRTs) who specialize in the planning, simulation and delivery of radiation treatments to patients who have diseases such as cancer. Therapists also perform patient assessments and provide education and emotional support to patients throughout the course of their treatment. Upon completion of the Diploma level, students are eligible to write the national certification examination administered by the CAMRT. The degree level of education in conjunction with the University provides a more competitive advantage in the job market for graduates in Canada and internationally.

Radiation Therapy is a limited enrolment program. Students must first complete a qualifying year of studies and then apply specifically for the program; eight or fewer students are accepted each year into Year 2.

REQUIREMENTS FOR THE 4 YEAR BSc (RADIATION THERAPY)

ADMISSION REQUIREMENT Students must complete the Qualifying Year of courses (minimum 24 credit hours) in order to be eligible to apply to the program, and then be successful in the selection process.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours.
Major: Minimum 30 credit hours.

GENERAL DEGREE REQUIREMENT

Humanities: Minimum 12 credit hours.
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

Note: the "CCMB" department code used below indicates courses taught through CancerCare Manitoba.

MAJOR REQUIREMENT: Minimum of 96 credit hours as per the courses listed below.
Required Courses (96 credit hours):

Qualifying Year for Admission:

BIOL-1112(6) Human Anatomy and Physiology
STAT-1501(3) Elementary Biological Statistics I
PHYS-1301(6) Introduction to Physics
SOCI-1101(6) Introduction to Sociology
plus one Communications course – either 3 credit hours of Academic Writing (RHET) OR 3 credit hours of first-year English (ENGL)

Required courses in the Program:

STAT-1601(3) Elementary Biological Statistics II
OR
STAT-2001(3) Statistical Analysis for Chemists and Biologists
SOCI-3102(6) Sociology of Medicine
KIN-2501(3) Nutrition for Health and Wellness
PHIL-2202(3) Ethics in Medicine and the Law
PHYS-2510(3) Radiation Biology (CancerCare course)
PHYS-2520(3) Physics of Radiation Therapy (CancerCare course)
PHYS-2530(3) Industrial, Therapy, and Imaging Apparatus (CancerCare course)
PHYS-2540(3) Radiation Protection and Health Physics (CancerCare course)
CCMB-2901(3) Fundamentals of Care in RT I (CancerCare course)
CCMB-2902(3) Clinical Radiation Oncology I (CancerCare course)
CCMB-2903(3) Treatment Planning & Dosimetry I (CancerCare course)
CCMB-2904(3) Clinical Education I (CancerCare course)

CCMB-2911(3)	Fundamentals of Care in RT II (CancerCare course)
CCMB-2912(3)	Clinical Radiation Oncology II (CancerCare course)
CCMB-2913(3)	Treatment Planning & Dosimetry II (CancerCare course)
CCMB-3901(3)	Directed Studies I (CancerCare course)
CCMB-3903(3)	Directed Studies II (CancerCare course)
CCMB-3914/9	Clinical Education II (CancerCare course)
CCMB-3924/9	Clinical Education III (CancerCare course)
CCMB-4902(3)	Independent Studies (CancerCare course)

COURSE LISTINGS

PHYS-2510(3)	Radiation Biology	CCMB-2911(3)	Fundamentals of Care in RT II
PHYS-2520(3)	Physics of Radiation Therapy	CCMB-2912(3)	Clinical Radiation Oncology II
PHYS-2530(3)	Industrial, Therapy, and Imaging Apparatus	CCMB-2913(3)	Treatment Planning & Dosimetry II
PHYS-2540(3)	Radiation Protection and Health Physics	CCMB-3901(3)	Directed Studies I
CCMB-2901(3)	Fundamentals of Care I	CCMB-3903(3)	Directed Studies II
CCMB-2902(3)	Clinical Radiation Oncology I	CCMB-3914(9)	Clinical Education II
CCMB-2903(3)	Treatment Planning & Dosimetry I	CCMB-3924(9)	Clinical Education III
CCMB-2904(3)	Clinical Education I	CCMB-4902(3)	Independent Studies

COURSE DESCRIPTIONS

CCMB-2901(3) PROFESSIONAL PRACTICE AND PATIENT CARE IN RADIATION THERAPY I (Le3) This course focuses on a number of aspects relating to the practice of radiation therapy within the framework of the health care team. It provides the student with the knowledge and skills to practice competently and empathetically in a radiation therapy department. Topics covered include: legal and ethical aspects, communication skills, health promotion, assessment skills (including problem solving and critical thinking), psychosocial aspects of caring for cancer patients and their families, education (theory and practice), general and site related side effects of cancer treatment (primarily radiation therapy). The lab component provides opportunity to apply theory to practice in simulated situations.

PREREQUISITE: Admission to the RT Program, CPR, First Aid

COREQUISITE: CCMB 2502

CCMB-2902(3) CLINICAL RADIATION ONCOLOGY I (Le3) This course introduces the student to the fundamental concepts, which support the use of radiation in the treatment of disease. It includes etiological and epidemiological aspects, the value of early diagnosis, the biological and pathological aspects of cancer in the human body, as well as the principles of radiobiology and general management of patients with malignant disease. Emphasis is placed on the role of radiation therapy in a curative or palliative role. Students will review several cancer sites and participate in labs to assist them in applying theory to simulated situations.

PREREQUISITE: Admission to the RT Program, BIOL 1112

COREQUISITES: CCMB-2501, CCMB-2503

CCMB 2903(3) TREATMENT PLANNING AND DOSIMETRY I (Le3) The goal is to provide the student with the necessary mathematical and technical skills, as well as the attitudes, which are required in the planning process. Because of the dangers inherent in the use of ionizing radiation the student must be knowledgeable of

the various factors which need to be considered when using radiation for treatment. This course provides the basic information required to correctly calculate treatment parameters and accurately plan radiation treatments for patients.

PREREQUISITE: Admission to the RT Program, PHYS-1301, BIOL-1112

COREQUISITE: CCMB-2502, PHYS-2530, PHYS-2540

CCMB 2904(3) CLINICAL EDUCATION I (Le3) Students will apply basic concepts of radiation therapy to the planning and delivery of treatment. Opportunities to plan and deliver treatment, as well as to interact with patients; will be provided. This clinical is an orientation to the profession of radiation therapy, and is conducted under the supervision of a registered radiation therapist (R.T.T.). The focus will be on assessment, evaluation, communication, and application of theory to clinical practice.

PREREQUISITE: Admission to the RT Program, CCMB-2501, CCMB-2502, CCMB-2503 & PHYS-2530, PHYS-2540

CCMB 2911(3) PROFESSIONAL PRACTICE AND PATIENT CARE IN RADIATION THERAPY II (Le3) This course builds on Fundamentals of Care in Radiation Therapy I (*CCMB 2501*). Topics will be reviewed from *CCMB 2501* and additional topics as listed, are focused on in such a way that the student will directly apply them to radiation therapy. Topics covered include: professionalism, accountability and advocacy in health care, complementary and alternative treatments, psychosocial aspects of care, patient assessment and education, supporting physiological health, and various other tutorials relevant to the care of radiation therapy patients and their families. The lab component provides opportunity to apply theory to practice in simulated situations.

PREREQUISITE: Admission to the RT Program, CCMB-2504

CCMB 2512(3) CLINICAL RADIATION ONCOLOGY II (Le3) This course builds upon the knowledge and skills acquired in Clinical Radiation Oncology I. The course continues to focus on cancer, with emphasis on clinical presentation, routes of spread and the management of major tumor sites in both

adults and children. Considerable time is spent on treatment techniques and sequelae of treatment, which enhances the student's critical thinking skills as it relates to a variety of scenarios. Students will also gain an understanding of systemic radiation therapy treatment and the role of radiation therapy in the treatment of benign disease. The lab component of this course provides the student with hands-on experience allowing them to relate the didactic material to simulated clinical situations.

PREREQUISITE: Admission to the RT Program, CCMB-2502, CCMB-2503, CCMB-2504
COREQUISITE: CCMB-2513

CCMB 2913(3) TREATMENT PLANNING AND DOSIMETRY II (Le3) A continuation of Treatment Planning and Dosimetry I, this course focuses on the application of previously learned information. The course will actively encourage and provide opportunity for the student to apply knowledge in other related areas to the skilled and accurate planning of treatment. Treatment plans will be designed combining technical aspects (such as 3D conformal imaging, 3D imaging, adjacent fields, electron therapy, etc.), with the specific needs of the patient. In order to enhance learning, students will be encouraged to critique a variety of treatment plans, both as a method of evaluating their own work in terms of accuracy, efficiency, and feasibility; and as a quality assurance tool, promoting excellence in the field of radiation therapy.

PREREQUISITE: Admission to the RT Program, CCMB-2502, CCMB-2503, CCMB-2504
COREQUISITE: CCMB-2513

CCMB 3914(9) CLINICAL EDUCATION II (AV) Students will apply concepts of radiation therapy to clinical practice under the supervision of a registered radiation therapist (R.T.T.). The focus will be on the planning and delivery of radiation treatment, as well as assessment, communication, and teaching skills. Opportunities to problem solve through applications of knowledge to the clinical situation, will be provided.

PREREQUISITE: Admission to the RT Program, CCMB-2511, CCMB-2512, CCMB-2513, CCMB-3514 & PHYS-1301

CCMB 3901(3) DIRECTED STUDIES I (D) This course is designed to provide the opportunity for problem solving and critical thinking through integration of relevant information. The learner will prepare six clinical case studies, two of which will include an oral presentation/tutorial to peers and faculty. In addition, the learner will attend a minimum of 6 seminars offered by MCTRF dealing with current research in Oncology.

PREREQUISITE: Admission to the RT Program, CCMB-2512
COREQUISITE: CCMB-3514

CCMB 3924(9) ADVANCED CLINICAL EDUCATION (AV) The student will be assigned to a variety of clinical areas, with the majority of time spent in the planning and delivery of treatment. Students will apply fundamental concepts of radiation therapy to the care of cancer patients of all ages, and their families, during the time in which they are undergoing radiation therapy. The focus will be on the critical thinking, communication skills, team work, and advocacy. The level of clinical responsibilities is increased as the student performs competencies under the supervision of a registered radiation therapist (R.T.T.). The clinical practice outcomes correlate with the professional responsibilities of an RTT in the domains of cognitive, psychomotor, and affective skills.

PREREQUISITE: Admission to the RT Program, CCMB-3502
COREQUISITE: CCMB-3503

CCMB 3903(3) DIRECTED STUDIES II (D) This course is designed to provide the opportunity for problem solving and critical thinking through integration of relevant information. The learner will prepare three clinical case studies, one of which will include an oral presentation/tutorial to peers and faculty. In addition, the learner will attend seminars offered by CCMB dealing with current research in Oncology.

PREREQUISITE: Admission to the RT Program, CCMB-3502
COREQUISITE: CCMB-3524

CCMB 4902(3) INDEPENDENT STUDIES (D) Consisting of an independent learning contract to research a topic of special interest to the student and to culminate in an oral presentation and review. A paper of not less than 3000 words must be submitted.

PREREQUISITE: Admission to the RT Program, CCMB 3524

PHYS-2510(3) RADIATION BIOLOGY This course deals with the fundamentals of radiation biology and focuses on the effects of radiation at a cellular and molecular level. The theory of radiation biology is examined at the cellular level and applied to the clinical impact on patients. Radiation biology gives us insight into ways to exploit cellular differences in healthy cells so as to increase the likelihood of tumor eradication. The theory of how radiation interacts with cells and tissues, what impact radiation has on organisms and the radiation patient, and how to best achieve our treatment goals are all examined in this lecture based course.

PREREQUISITE: PHYS-2540 (or permission of instructor)

PHYS-2520(3) PHYSICS OF RADIATION THERAPY This series of lectures is designed to provide the student radiation therapist with a fundamental understanding of the physical nature of both photons and electrons and specifically the manner in which they interact with an absorbing/scattering medium. The concepts presented in this series will enhance the student's ability to make decisions regarding clinical radiation therapy treatments.

PREREQUISITE: PHYS-1301
COREQUISITE: CCMB-2503, PHYS-2530

PHYS-2530(3) INDUSTRIAL, THERAPY & IMAGING APPARATUS This course introduces the student to the principles of operation of radiation therapy simulation and treatment equipment. It focuses on design of equipment, physical processes involved in equipment operation and radiological imaging processes. Practical reinforcement of principles is provided in a lab setting.

PREREQUISITES: PHYS-1301, BIOL-1112
COREQUISITES: CCMB-2503, PHYS-2540

PHYS-2540(3) RADIATION PROTECTION & HEALTH PHYSICS This course builds on Industrial, Therapy & Imaging Apparatus, including the fundamental concepts used to minimize risk when working with sources of ionizing radiation, with emphasis on the application of these concepts to radiation therapy. Topics covered include: types and sources of radiation, radiation quantities and units, biological effects and potential risk, basic principles of protection, regulation and dose limits, methods of dose monitoring, and application in radiation therapy.

PREREQUISITE: CCMB-2504, PHYS-2530, PHYS-2540

RELIGION & CULTURE (REL)

Updated April 16, 2013

Note: The department/program code REL replaces the former code 47. Students cannot hold credit in REL-xxxx and the former 47.xxxx having the same course number (e.g., REL-1001(6) and 47.1001(6)).

Chair: Professor A. Welter; Professor: P.L. Day; Associate Professor: M.F. Ruml; Assistant Professor: C. Colorado; J. Newmark;

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

Pre-Master's Program

Joint Masters Program (see Graduate Studies)

Minor

INTRODUCTION

The study of religion aims to understand religious thought and practices as aspects of the culture and society that produced them. It offers an opportunity to explore beliefs and ideas, philosophies and mythologies, rituals and symbols, etc., that shape the cultures and civilizations of the world both in historical perspective and as contemporary phenomena. In the process of this exploration, the Religion & Culture program sensitizes students to the variety of traditions, commitments, and cultures which exist in our world, both globally and locally. It also provides an environment for students to thoughtfully reflect upon their own religious traditions and experiences as well as to think about issues and problems of modern life from a variety of perspectives.

The introductory courses are open to all students. They provide an opportunity to survey the diversity of religion in either the contemporary Canadian or the global context, or to explore the biblical roots of Judeo-Christian tradition. General interest courses are also offered at the 2000 level, and are open to all students without prerequisite. These courses do not presuppose previous knowledge or background and enable students to focus either on particular religious traditions (Aboriginal, Buddhist, Biblical, etc.) or on contemporary issues in religion (sexuality, technology, new religions, popular culture, etc.). Departmental faculty members have particular interests and strengths in the areas of religion and modern culture, mythology, Chinese and Japanese religions, Buddhist traditions, aboriginal traditions, Hebrew Bible/Old Testament, Islam and the Qur'an, and gender studies. The Major program, leading to either a 3-Year BA, 4-Year BA, or a BA Honours degree, is designed to provide an opportunity to explore a variety of religious traditions and topics as well as to concentrate on areas of particular interest. The Department also participates in a Joint Masters Program in Religion with the University of Manitoba.

Graduates who are interested in fields where human interaction and/or multiculturalism are significant factors, such as education, mediation services, social work, international business and international development, employee relations, immigration services and certain areas of law and the justice system, benefit greatly from courses in Religion & Culture.

REQUIREMENTS FOR A 3-YEAR BA IN RELIGION & CULTURE

ADMISSION REQUIREMENT	Students are advised to consult with the faculty advisor in planning their curriculum at the beginning of each registration session.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing, to be completed in the first year.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours.
Double Major:	30 credit hours in Religion & Culture and specified number of credit hours in the other department/program.
Distribution:	Minimum of 3 credit hours at the 2000 level in each of three (3) of the four (4) Areas of Study: "Historical Judaism, Christianity, and Islam", "Religion and Modern Western Culture", "Asian Religions and Culture", and "Aboriginal Religious Traditions".
Required courses:	
One of	REL-1001(6) Religion and Identity in Contemporary Canada REL-1002(6) Exploring Religion: the World's Religions REL-1003(6) Exploring Religion: the Bible REL-1007(6) Introduction to Religion & Culture: The Religious Imagination and the Human Condition
Note:	REL-1005(3) and REL-1006(3) at Canadian Mennonite University do not fulfil this requirement.

Maximum of 12 credit hours at the 1000-level.
Minimum 6 credit hours at the 3000 level in Religion & Culture.

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

Prescribed courses:
One of

- REL-1001(6)** Religion and Identity in Contemporary Canada
- REL-1002(6)** Exploring Religion: the World's Religions
- REL-1003(6)** Exploring Religion: the Bible
- REL-1007(6)** Introduction to Religion & Culture: The Religious Imagination and the Human Condition

Minimum of 3 credit hours at the 2000 level from three (3) of the four (4) Areas of Study:
Historical Judaism, Christianity, and Islam
Religion and Modern Western Culture
Asian Religions and Cultures
Aboriginal Religious Traditions

Minimum of 3 credit hours at the 3000 level or above.

REQUIREMENTS FOR A 4-YEAR BA IN RELIGION & CULTURE

ADMISSION REQUIREMENT Students must consult with the department advisor in planning their studies.
Students must have completed at least 30 credit hours previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours in Social Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level.
Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates: Minimum of 18 credit hours/Maximum of 36 credit hours in related courses from one or more of several departments. The cognate requirement may be fulfilled in full or in part by Religion & Culture courses providing that the sum of Major and Cognate courses is at least 66 credit hours.
Maximum total of cognate and major courses is 84 credit hours combined.
Distribution: Minimum of 6 credit hours at the 2000 or 3000 level in each of three (3) of the four (4) Areas of Study: "Historical Judaism, Christianity, and Islam", Religion and Modern Western Culture", Asian Religions and Culture", and "Aboriginal Religious Traditions".

Required courses:
One of

- REL-1001(6)** Religion and Identity in Contemporary Canada
- REL-1002(6)** Exploring Religion: the World's Religions
- REL-1003(6)** Exploring Religion: the Bible
- REL-1007(6)** Introduction to Religion & Culture: The Religious Imagination and the Human Condition

Note: **REL-1005(3)** and **1006(3)** at Canadian Mennonite University do not fulfil this requirement.

Maximum of 12 credit hours at the 1000 level.
Minimum 18 credit hours at the 3000 level or above in Religion & Culture.

Combined Major: Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.

Prescribed courses:
One of

- REL-1001(6)** Religion and Identity in Contemporary Canada
- REL-1002(6)** Exploring Religion: the World's Religions
- REL-1003(6)** Exploring Religion: the Bible
- REL-1007(6)** Introduction to Religion & Culture: The Religious Imagination and the Human Condition

Minimum of 3 credit hours at the 2000 level from three (3) of the four (4) Areas of Study:
Historical Judaism, Christianity, and Islam

Religion and Modern Western Culture
Asian Religions and Cultures
Aboriginal Religious Traditions

Minimum of 3 credit hours at the 3000 level or above and an additional 6 credit hours at the 3000 level or above is recommended.

Individuals' programs will be structured to meet student needs and interests.

Students planning to major in Religion & Culture must consult with the Department Chair after completing 30 credit hours.

REQUIREMENTS FOR AN HONOURS BA IN RELIGION & CULTURE

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing, and graduation minimum GPA is 3.0 (B) in Religion & Culture courses and 2.5 (C+) in other courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Religion & Culture courses. The minimum 2.5 GPA (C+) in all other courses will be calculated as for the general degree (i.e. F's are not included, and in the case of repeated courses, only the highest grade will be used).

Students in the Honours program must have approval of the Department Chair, or designate.

GRADUATION REQUIREMENT

120 credit hours

RESIDENCE REQUIREMENT

Degree:

Minimum 60 credit hours

Honours:

Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at the 4000 or 5000 level.

GENERAL DEGREE REQUIREMENT

Humanities:

12 credit hours in Humanities

Science:

6 credit hours in Science

Writing:

Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses:

Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution:

Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours:

Minimum 54 credit hours/Maximum 78 credit hours in Religion & Culture.

Required courses:

One of

REL-1001(6) Religion and Identity in Contemporary Canada

REL-1002(6) Exploring Religion: the World's Religions

REL-1003(6) Exploring Religion: the Bible

REL-1007(6) Introduction to Religion & Culture: The Religious Imagination and the Human Condition

Note: **REL-1005(3)** and **1006(3)** at Canadian Mennonite University do not fulfil this requirement.

Maximum of 12 credit hours at the 1000 level.

Distribution Requirement:

Minimum of 6 credit hours at the 2000, 3000, 4000 level from three (3) of the four (4) Areas of Study: "Historical Judaism, Christianity and Islam", "Religion and Modern Western Culture", "Asian Religions and Culture", "Aboriginal Religious Traditions".

Advanced Level Course

Minimum 36 credit hours in advanced level (3000, 4000, and 5000) courses, of which a minimum 24 credit hours are at the 4000 or 5000 level.

Requirement:

Note: All 3000 level courses are also offered at a 4000 level. Students may not receive credit for the same course at both a 3000 and a 4000 level except REL-3990(6)/4990(6), REL-3991(3)/4991(3), and REL-3999(6)/4999(6).

Cognates:

Minimum of 18 credit hours/Maximum of 36 credit hours in related courses from one or more of several departments. The cognate requirement may be fulfilled in full or in part by Religion & Culture courses providing that the sum of Major and Cognate courses is at least 66 credit hours.

Maximum total of cognate and major courses is 84 credit hours combined.

Language Requirement:

Minimum 6 credit hours in a second language, or equivalent.

Languages for Religion & Culture credit

Students may receive Religion & Culture Honours credit (a maximum of 12 credit hours) in approved languages for the study of religion. Languages currently approved are: biblical Hebrew, classical Greek, Latin, Arabic, Sanskrit, classical Chinese, Cree, Ojibway, Dakota. Students who wish to receive Religion & Culture credit in other languages should consult the Department Chair.

Double Honours:

Minimum 36 credit hours in each Honours subject as specified in each department/program.

Required courses:

One of

- REL-1001(6)** Religion and Identity in Contemporary Canada
- REL-1002(6)** Exploring Religion: the World's Religions
- REL-1003(6)** Exploring Religion: the Bible
- REL-1007(6)** Introduction to Religion & Culture: The Religious Imagination and the Human Condition

Note: **REL-1005(3)** and **1006(3)** at Canadian Mennonite University do not fulfil this requirement.
Maximum of 12 credit hours at the 1000 level.

Distribution Requirement:	Minimum of 6 credit hours at the 2000, 3000, 4000 level from each of the four (4) Areas of Study.
Advanced Level Courses	Minimum 18 credit hours in advanced level (3000, 4000, and 5000) courses in Religion & Culture of which a minimum 15 credit hours are at the 4000 level.
Requirement:	Note: All 3000 level courses are also offered at a 4000 level. Students may not receive credit for the same course at both a 3000 and a 4000 level except REL-3990(6)/4990(6), REL-3991(3)/4991(3), and REL-3999(6)/4999(6).
Language Requirement:	Minimum 6 credit hours in a second language, or equivalent.
Languages for Religion & Culture credit	Students may receive Religion & Culture Honours credit (a maximum of 12 credit hours) in approved languages for the study of religion. Languages currently approved are: biblical Hebrew, classical Greek, Latin, Arabic, Sanskrit, classical Chinese, Cree, Ojibway, Dakota. Students who wish to receive Religion & Culture credit in other languages should consult the Department Chair..

For the required courses in the second Honours subject, consult the department involved.

REQUIREMENTS FOR THE PRE-MASTER'S PROGRAM

Students wishing to prepare for entry into a program of graduate studies in Religion & Culture may do so by completing a BA Honours Program, a 4-Year BA degree program, or by taking courses equivalent to a pre-master's year from the University of Manitoba and the University of Winnipeg Religion & Culture Departments.

Students wishing to pursue this option are advised to consult with the Department Graduate Chair, Dr. Albert Welter.

REQUIREMENTS FOR A MINOR IN RELIGION & CULTURE

Degree:	Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	Minimum 3 credit hours at 3000 or 4000 level
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Prerequisites

Most courses below the 3000 level have no course prerequisites. They are open to all students.
One 1000-level 6 credit hour course is required for entry to the Major program.

Note: **REL-1005(3)** and **REL-1006(3)** offered at Canadian Mennonite University do not fulfil this requirement.

Humanities Requirement

All Religion & Culture courses **except** REL-2001(6) and REL-2007(6) may be used to fulfill the Humanities Requirement.

Language Courses

6 credit hours (3-year BA) or 12 credit hours (4-year BA or Honours BA) in approved language study (biblical Hebrew, classical Greek, Latin, Arabic, Sanskrit, classical Chinese, Cree, Ojibway, Dakota, and Japanese) may be counted toward a Major in Religion & Culture. Hebrew is taught on a rotating basis by the Department of Religion & Culture (University of Winnipeg), Faculty of Theology (University of Winnipeg), Canadian Mennonite University, Department of Religion (University of Manitoba), and William and Catherine Booth College. Greek is taught in the Faculty of Theology (University of Winnipeg) Classics Department (University of Winnipeg), and Canadian Mennonite University. Classical Chinese is offered through the Religion & Culture Department on the basis of student interest. Sanskrit is available at the University of Manitoba, depending on student interest. Cree and Ojibway are available at the University of Winnipeg and the University of Manitoba. Dakota is available at Brandon University.

Graduate Studies

The Department offers a joint MA degree with the Department of Religion at the University of Manitoba. See Graduate Studies for details. Interested undergraduate Religion & Culture majors should consult with Dr. Albert Welter, the Department Graduate Chair, so that their undergraduate program can be structured to meet the joint MA admission requirements.

Courses in Other Departments

Students may include a maximum of 6 credit hours from the following toward the Major, providing the Major Distribution Requirement is met.

Anthropology	ANTH-2108(3)	Myth, Magic and Shamanism.
Classics	CLAS-2700(3)	Topics in Ancient Religion: Early Christianity ,
	CLAS-2701(6)	Introduction to Classical Mythology,
	CLAS-2702(3)	Religion in Greece and Rome,

	CLAS-2703(3)	Magic and Divination in the Greek and Roman Worlds
	CLAS-2010(3)	Religious Architecture in the Greco-Roman World
English History	ENGL-3905(3)* or (6)*	Topics in Biblical Texts and Cultural Studies
	HIST-3612(3)*	Religion in American History,
	HIST-3831(3)*	Islamic Art & Architecture
Mennonite Studies	MENN-2009(3)	Mennonites in Global Context;
	MENN-2101(3)	Mennonite Studies I;
	MENN-2102(6) ,	Mennonite Studies II;
	MENN-2322(3) ,	Origins and Character of Anabaptism;
	MENN-3452(3)*	Anabaptism and Evangelicalism
Philosophy	PHIL-2232(3)	(or the former PHIL-2231(6)) Philosophy of Religion

* Does not fulfil the major requirements of a course at the 3000 level or above.

COURSE LISTINGS

INTRODUCTORY COURSES

Majors are required to take one 6 credit hour introductory course. Maximum of 2 introductory courses may be taken for credit.

REL-1001(6)	Religion and Identity in Contemporary Canada
REL-1002(6)	Exploring Religion: the World's Religions
REL-1003(6)	Exploring Religion: the Bible
REL-1007(6)	Introduction to Religion & Culture: The Religious Imagination and the Human Condition

AREAS OF STUDY

Note: Courses are offered on rotation.

Note: 2000-level courses are open to all students, without prerequisite.

Note: Except where otherwise indicated the 3000-level courses are open to students who have completed successfully at least 6 credit hours in Religion & Culture, or who have received the consent of the instructor.

Note: All 3000-level courses are also offered at a 4000 level. Students may not receive credit for the same course at both a 3000 and a 4000 level except REL-3990(6)/4990(6), REL-3991(3)/4991(3), and REL-3999(6)/4999(6). Students registering at the 4000 level must have departmental permission.

Historical Judaism, Christianity, and Islam

REL-2001(6)	Elementary Biblical Hebrew
REL-2010(6)	Introduction to Modern Standard Arabic
REL-2121(3)	Origins of Rabbinic Judaism
REL-2125(3)	Modern Biblical Interpretation
REL-2127(3)	Major Biblical Themes
REL-2131(3)	Apocalyptic Literature
REL-2211(3)	Studies in the Synoptic Gospels
REL-2213(3)	Jesus in John
REL-2302(3)	The Age of Renaissance and Reformation
REL-2305(3)	Early and Medieval Christianity
REL-2702(3)	Women in Islam
REL-2710(3)	Classical Islam
REL-3120(3)/ 4120(3)	The Prophets in Israel's Culture
REL-3125(3)/ 4125(3)	Biblical Myths, Legends and Folktales
REL-3157(3)/ 4157(3)	Women in Ancient Israel
REL-3701(3)/ 4701(3)	Issues in the Interpretation of the Qur'an
REL-3710(3)/ 4710(3)	The Bible and the Qur'an
REL-3712(3)*	Islamic Art & Architecture

REL-3900(3)/ 4990(6)	4900(3) Topics in Historical Judaism, Christianity, and Islam
REL-3990(6)/ 4990(6)	Readings in Religion
REL-3991(3)/ 4991(3)	Readings in Religion
REL-3999(6)/ 4999(6)	Languages for Religious Studies

Religion and Modern Western Culture

REL-2304(3)	Crises of Faith in Contemporary Society
REL-2401(3)	Religion and Popular Culture
REL-2402(3)	Fundamentalisms in Global Perspective
REL-2404(3)	Religion and Culture: Religions in Encounter and Change
REL-2405(3)	Religion and Culture: The Multifaith Society
REL-2407(3)	Contemporary Religion from a Social Scientific Perspective
REL-2507(3)	Sexuality in the Religious Context
REL-2508(3)	Images of Power: The Technological and the Religious Imaginations
REL-2511(3)	Religion and Society: The Critique of Development
REL-2513(3)	Health, Healing and Spirituality in Cross-Cultural Perspective
REL-2515(3)	Ecology and Religion
REL-2601(3)	Contemporary Jewish Life
REL-2607(3)	New Religions in North America
REL-2711(3)	Contemporary Islam
REL-2713(3)	Muslims in Canada
REL-3504(3)/ 4504(3)	The Problem of Evil
REL-3512(3)/ 4512(3)	Religious Quest in the Modern Age
REL-3514(3)/ 4514(3)	Religious Critiques of Modernity
REL-3551(3)/ 4551(3)	Religion and Social Change
REL-3601(3)/ 4601(3)	Stories Lives: Contemporary Spiritual Biographies and the Construction of Identity
REL-3602(3)/ 4602(3)	Rituals and Rites of Passage in Contemporary Societies
REL-3940(3)/ 4940(3)	Topics in Religion and Modern Western Culture
REL-3990(6)/ 4990(6)	Readings in Religion
REL-3991(3)/ 4991(3)	Readings in Religion
REL-3999(6)/ 4999(6)	Languages for Religious Studies

Asian Religions and Cultures

REL-2703(3) Religions of India
 REL-2704(3) Buddhist Traditions in India and Southeast Asia
 REL-2707(3) Chinese Religions
 REL-2708(3) Religion in Japanese Life
 REL-2709(3) Women in Asian Religions
 REL-2721(3) Traditional Japanese Culture
 REL-2718(3) Buddhist Traditions in East Asia
 REL-2731(3) Chinese Culture & Beliefs
 REL-2774(3) Chinese Intellectual History
 REL-2775(3) Intellectual Encounters: China and the West
 REL-2901(3) Art in Non-Christian Religions
 REL-2942(3) The Philosophy of Yoga
 REL-3007(6) Introduction to Classical Chinese
 REL-3704(3)/ 4704(3) Chinese & East Asian Perspectives on Human Rights
 REL-3707(3)/ 4707(3) Zen Buddhism
 REL-3708(3)/ 4708(3) Topics in Buddhist Culture and Society
 REL-3721(3)/ 4721(3) The Age of the Samurai
 REL-3970(3)/ 4970(3) Topics in Asian Religions and Cultures
 REL-3990(6)/ 4990(6) Readings in Religion
 REL-3991(3)/ 4991(3) Readings in Religion
 REL-3999(6)/ 4999(6) Languages for Religious Studies

Aboriginal Religious Traditions

REL-2715(3) African Religions
 REL-2801(3) Introduction to Aboriginal Spirituality

* Does not fulfil the major requirements of a course at the 3000 level or above

REL-2802(3) Aboriginal and Christian Encounter
 REL-2803(3) Aboriginal Sacred Narratives
 REL/IDS-2804(3) Global Perspectives on Aboriginal Societies, Spiritualities and the Environment
 REL-2872(3) African Traditional Religions & the Christian Encounter
 REL-3802(3)/ 4802(3) Aboriginal Healers
 REL-3803(3)/ 4803(3) Aboriginal Women's Teachings
 REL-3804(3)/ 4804(3) Aboriginal Spirituality: Research Methods
 REL-3980(3)/ 4980(3) Topics in Aboriginal Religious Traditions
 REL-3990(6)/ 4990(6) Readings in Religion
 REL-3991(3)/ 4991(3) Readings in Religion
 REL-3999(6)/ 4999(6) Languages for Religious Studies

Pre-Master's Courses

Open to all students accepted in a graduate program, students with a Bachelor's degree, and advanced undergraduates with a 3.0 GPA in Religion & Culture. Permission of Chair or Graduate Chair must be received to enroll.

REL-5001(3) Method and Theory in the Study of Religion I: Social Scientific Approaches
 REL-5002(3) Method and Theory in the Study of Religion II: Textual Interpretation
 REL-5990(6) Advanced Individual Study in Religion
 REL-5991(3) Advanced Individual Study in Religion

COURSE DESCRIPTIONS

REL-1001(6) RELIGION AND IDENTITY IN CONTEMPORARY CANADA (Le3) This course introduces students to the religious diversity inherent in contemporary Canadian life. It considers the ways different religious traditions influence and are influenced by the multicultural and pluralistic nature of Canadian society. It encourages students to reflect on the ways individual believers and their religious communities are affected by social forces such as popular culture, politics, globalization, and the economy.

REL-1002(6) EXPLORING RELIGION: THE WORLD'S RELIGIONS (Le3) Religion is a universal phenomenon that varies in meaning from culture to culture. This course examines the ways religion is understood in different cultures, introducing basic concepts used in the academic study of religion (e.g., sacred and profane, myth and history, symbol and ritual, etc.) through a survey of the major world religious traditions (e.g., Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, Taoism, and the religions of indigenous peoples of North and South America). The teachings of individual traditions, how these teachings developed over time, and differences in interpretation will be examined against the background of the culture that produced them.

REL-1003(6) EXPLORING RELIGION: THE BIBLE (Le3) The meaning of the Bible is seldom self-evident. It has been interpreted in different and sometimes contradictory ways by various faith communities, within both Judaism and Christianity, who look to the Bible as an authoritative religious guide. The course seeks to explain why the Bible

has been interpreted differently by various religious groups living in different times and places. It does so by introducing students to modern biblical scholarship, which sees the Bible against the background of the historical, political, cultural and intellectual contexts in which the biblical texts were written and interpreted.

REL-1007(6) INTRODUCTION TO RELIGION & CULTURE: THE RELIGIOUS IMAGINATION AND THE HUMAN CONDITION (Le3) This course is an introduction to the study of Religion & Culture through an examination of the human condition. A variety of cultural perspectives on religion are examined, including sources from Indigenous traditions, Western Religious thought, the Abrahamic traditions (Judaism, Christianity, Islam), Religion and Modernity, and the traditions of South and East Asia (Hinduism, Buddhism, Confucianism, Daoism, Shinto). Through a close reading of primary sources, students examine ideas, texts, figures and debates that characterize how religion serves to reflect the lived experience of the human condition throughout the world, past and present

REL-2001(6) ELEMENTARY BIBLICAL HEBREW (Le4) This course will introduce students to the fundamentals of biblical Hebrew grammar and vocabulary. Selected prose texts in the Hebrew Bible will be read and translated.

REL-2010(6) INTRODUCTION TO MODERN STANDARD ARABIC (Le3/La1) This course is designed to introduce Modern-Standard Arabic to students who have little or no prior knowledge of the language. Students learn the Arabic alphabet, master basic concepts of case and agreement, learn how to form *id-fah* constructions, and form simple nominal and verbal sentences. Vocabulary and additional grammatical concepts are discussed and integrated into classroom exercises and homework assignments. Near the end of the course students are introduced to classical Arabic for studying historical religious texts.

PREREQUISITES: Permission from the Instructor or Department Chair.

RESTRICTIONS: Arabic speakers and persons with more than the most rudimentary prior knowledge of Arabic are not permitted to take this course.

REL-2121(3) ORIGINS OF RABBINIC JUDAISM (Le3) This course will trace the religious history of Jews and Judaism from the period of Ezra and Nehemiah (400 BCE) through the formative period of Rabbinic Judaism in the last centuries BCE to the time of the Mishna (200 CE) and Talmudim (600 CE).

REL-2125(3) MODERN BIBLICAL INTERPRETATION (Le3) This course begins with a study of contemporary hermeneutical theory, and proceeds to demonstrate modern approaches to reading and understanding biblical texts (interpretation), including the historical, literary, feminist, and social-scientific approaches.

REL-2127(3) MAJOR BIBLICAL THEMES (Le3) This course will examine biblical texts on various themes such as creation, salvation, law and covenant, priesthood and kingship, death and human destiny.

RESTRICTIONS: Students may not receive credit for both this course and the former REL-3155(3).

REL-2131(3) APOCALYPTIC LITERATURE (Le3) This course will begin with a general introduction to apocalypse as a unique literary genre and will examine some of the problems of reading and interpreting apocalyptic writings in the light of their ancient contexts. This will be followed by an analysis of selected biblical and extra-biblical apocalyptic texts.

RESTRICTIONS: Students may not receive credit for both this course and the former REL-2010(3).

REL-2211(3) STUDIES IN THE SYNOPTIC GOSPELS (Le3) This course seeks to understand the origin of the three Synoptic Gospels of the New Testament - Matthew, Mark and Luke - and the relationship among them. The study also involves a close examination of the distinctive character of these Gospels according to their literary and theological presentations of Jesus.

RESTRICTIONS: Students may not receive credit for both this course and the former REL-2211(6).

REL-2213(3) JESUS IN JOHN (Le3) This course analyses the literature of the Fourth Gospel and the Johannine Epistles in their respective contexts. The intention is to discover the implication of the Johannine ways of presenting Jesus to the first communities of readers in their social settings.

RESTRICTIONS: Students may not receive credit for both this course and the former REL-2122(3).

REL-2302(3) THE AGE OF RENAISSANCE AND REFORMATION (Le3) With the disintegration of the medieval synthesis, a spiritual revolution swept Europe, precipitating profound changes in religious life and thought. This course will examine the impact of the Reformation/Renaissance on Western religious

consciousness, focusing on such seminal figures as Erasmus, Luther, Calvin, and Ignatius.

RESTRICTIONS: Students may not receive credit for both this course and the former REL-2202(3).

REL-2304(3) CRISES OF FAITH IN CONTEMPORARY SOCIETY (Le3) This course explores the five major contemporary critiques of religion, all of which have their roots in the writings of 19th and 20th Century critics of religion. Students will learn about the original historical contexts of the interpretations of religion advanced by Karl Marx, Sigmund Freud, Emile Durkheim, Max Weber, and Friedrich Nietzsche. The main concern of the course is to examine how these five powerful critiques shape the ways contemporary North Americans understand religion.

REL-2305(3) EARLY AND MEDIEVAL CHRISTIANITY (Le3) This course introduces students to the religious and social changes that took place within the Christian tradition in the first fifteen centuries of the Common Era. Students explore the varieties of Christianity that emerged in this period in response both to theological debates within the church and to political forces in Europe, Africa and the Middle East. This course examines the changing relations between the church and imperial powers, as well as the development of monastic orders, mystical piety, the sacramental system, and the papacy. In addition, several key figures (such as Augustine and Aquinas) and key debates (such as the nature of sin and the trinity) are discussed.

RESTRICTIONS: Students may not receive credit for both this course and the former REL-2311(3) or REL-2300(3) or REL-2301(3).

REL-2401(3) RELIGION AND POPULAR CULTURE (Le3) This course considers the place of religion in North American popular culture. It explores how elements of popular culture (e.g., radio and television programs, compact discs, films, videos, and fashion) influence the ways many people conceive of religion and its role in their lives. Through this exploration, students will develop critical skills necessary to analyze ambiguous cultural phenomena, examining both the ways religious traditions are depicted in popular culture, and how religions respond to the values and beliefs implicit in popular culture itself.

REL-2402(3) FUNDAMENTALISMS IN GLOBAL PERSPECTIVE (Le3) Fundamentalism is one of the most prominent religious phenomena in contemporary cultures and around the world. This course will explore a variety of so-called "fundamentalist" religious movements in contemporary Judaism, Christianity, and Islam. What do these groups have in common, and what distinguishes them from each other? It will also consider how appropriate the term "fundamentalist" is for understanding these groups and individuals and what the implications of this "fundamentalist" label are for them. Several "fundamentalist" religious movements will be discussed in order to understand their relationship with "modernity" and "pluralism", the two traditions to which fundamentalists seem to be responding.

REL-2404(3) RELIGION AND CULTURE: RELIGIONS IN ENCOUNTER AND CHANGE (Le3) Significant changes have occurred in Canada since the 1960s increase in immigration and the implementation of the federal policy of official multiculturalism. This course addresses the enormous consequences of these changes for religious groups in Canada and equips students to understand some of the ways in which groups and individuals (e.g., Sikhs, Jews, Muslims, Christians, Buddhists, Hindus, and Aboriginals) negotiate their identities through a dialogue between ancient religious resources and the surrounding pluralistic *milieux*.

REL-2405(3) RELIGION AND CULTURE: THE MULTIFAITH SOCIETY (Le3) The course focuses on the ways Canadian institutions both reflect and have responded to religious pluralism. While French and British Christians dominated this country for hundreds of years, contemporary Canada is characterized by increasing multiculturalism. The less restrictive policies Canada adopted towards non-European immigrants in the 1960s have transformed the status and place of religion in major institutions such as universities, government, and the media. The course encourages students to reflect critically on the place of religion in a society, the Christian and "euro-centric" foundations of which have been challenged by growing non-Christian and/or non-European communities.

REL-2407(3) CONTEMPORARY RELIGION FROM A SOCIAL SCIENTIFIC PERSPECTIVE (Le3) This course will introduce students to the ethnographic approach to religious phenomena, as well as the range of social scientific theories with which ethnography is associated. The distinguishing feature of ethnographic research is the way it involves the observer in the everyday lives of the people he or she is studying. This course explores several recent examples of participant observation research in the context of North American religious groups. As well, the course considers the relevance of the work of scholars such as Malinowski, Levy-Bruhl, Turner, and Geertz for the ethnographic study of contemporary religious life.

REL-2507(3) SEXUALITY IN THE RELIGIOUS CONTEXT (Le3) This course will observe patterns in the interpretation and regulation of human sexual relations in one or more of the major religious traditions, and will explore the implications of changes in these relationships in the modern world for those whose cultures are informed by those traditions. Included will be the implications of feminist movements for contemporary religions.

REL-2508(3) IMAGES OF POWER: THE TECHNOLOGICAL AND THE RELIGIOUS IMAGINATIONS (Le3) This course begins in the realization that every act of world construal is fundamentally an act of imagining, with social-institutional causes and consequences. It examines ways in which, beginning in the seventeenth century, experimental science, possessive individualism, global capitalism, mass media, militarism, and environmentalism challenged the traditional religious imagination and presented different paths for society to follow.

REL-2511(3) RELIGION AND SOCIETY: THE CRITIQUE OF DEVELOPMENT (Le3) The course will examine the rise of a secular, capitalist, technological world order in Western Europe and North America, and its impact upon the rest of the world. The contribution of Christianity to this new world order, together with its increasing marginalization, will be noted. The responses of the affected cultures and religions, in particular their critique of Western imperialism and its visions of development, and their alternative proposals, will be examined. The role of religion as a factor which inhibits or encourages social change, in different contexts, will be a main theme.

RESTRICTIONS: Students may not receive credit for both this course and the former REL-2512(3).

REL-2513(3) HEALTH, HEALING AND SPIRITUALITY IN CROSS-CULTURAL PERSPECTIVE (Le3) This course examines the role which spirituality plays in health and the practice of healing, exploring how different ideas about healing and spirituality are rooted in distinct cultural perspectives. Topics covered will include comparisons of the relationship between religious beliefs, the process of healing, and the practice of medicine in the history and current

experience of different cultures, both Western and Non-Western.

REL-2515(3) ECOLOGY AND RELIGION (L3) This course explores the relationship between the religious beliefs and perceptions about nature in the context of Western, Eastern, and indigenous cultures. A critical examination is offered of the ways in which Christian perceptions of nature have influenced the development of western science and technology. As well, the course provides a survey of some contemporary scholarly attempts to relate ecology and religion.

REL-2601(3) CONTEMPORARY JEWISH LIFE (Le3) This course will examine the beliefs, trends, and institutions operative in modern Jewish communities, particularly in North America, Europe, and Israel. Contemporary Judaism will be seen in both its religious and cultural aspects.

REL-2607(3) NEW RELIGIONS IN NORTH AMERICA (Le3) This course will survey alternative religious movements which have recently arisen in North America, some as mission enterprises from elsewhere, others as spiritual responses from within the North American situation. Winnipeg and Manitoba groups will be emphasized. The aim of the course will be to understand the groups on their own terms, and to begin to think about how we might respond to and evaluate these movements.

REL-2702(3) WOMEN IN ISLAM (Le3) We explore in this course the status and roles of Muslim women from the perspectives of the basic Islamic texts (The Qur'an and the Prophetic Traditions). Specific themes include rights and equality, marriage and divorce, seclusion and dress codes, religious, economic and socio-political participation. Explications and applications of these themes by Traditional Muslim scholars (exegetes, jurists) over several generations are analyzed. The course also reviews a few outstanding women in Islamic History and addresses the intellectual and social activities of some modern Muslim women.

REL-2703(3) RELIGIONS OF INDIA (Le3) This course explores the diversity of religious expression in India against the background of Indian culture. The focus will be on the origins and historical development of Indian ideas and practices. These are represented in the dominant tradition of Hinduism, as well as other important traditions originating in India (Buddhism, Jainism, and Sikhism), emphasizing continuities, patterns, and distinct developments.

REL-2704(3) BUDDHIST TRADITIONS IN INDIA AND SOUTHEAST ASIA (Le3) The course examines Buddhist beliefs and practices, focusing on the life and teachings of Gautama, the historical founder, the interpretation of his message in the Theravada tradition, and the development of the Mahayana tradition in India. Special attention is given to examining the scriptural literature upon which these traditions are based and the spread of Theravada traditions to Sri Lanka and Southeast Asia.

REL-2707(3) CHINESE RELIGIONS (Le3) This course is a study of the basic beliefs and practices of the Chinese as informed by the three major Chinese traditions: Confucian, Taoist (Daoist), and Buddhist. The course will examine the development of each of these traditions, as well as their blending into a comprehensive set of beliefs and practices that shaped the common understanding and practice of Chinese religion. The effect of Communism on Chinese religious life and the resurgence of religion in contemporary China will also be examined.

CROSS LISTED: East Asian Languages and Cultures EALC 2707(3).

REL-2708(3) RELIGION IN JAPANESE LIFE (Le3) This course examines the religious life of the Japanese people, as informed by traditions deriving from the native Shinto religion of Japan, the adapted traditions of Buddhism and Confucianism, and the impact of Westernization and modernization on traditional beliefs and practices.

CROSS LISTED: East Asian Languages and Cultures EALC 2708(3).

REL-2709(3) WOMEN IN ASIAN RELIGIONS (Le3) The course examines the experiences of women in several Asian cultures (e.g., Indian, Chinese, Japanese), and in several religious traditions (e.g., Hinduism, Buddhism, Confucianism, Daoism). The course is intended as a comprehensive introduction to women's experience in both pre-modern and modern contexts, with attention to how women are perceived and perceive themselves in religious and cultural roles.

CROSS LISTED: East Asian Languages and Cultures EALC 2709(3).

REL-2710(3) CLASSICAL ISLAM (Le3) This course focuses on the religious tradition of Islam from its inception through the medieval period. The message and the style of the Qur'an are examined, and Muhammad's life and experience as a prophet are traced. The fundamental beliefs and major practices of Islam are critically explored. The course also examines the emergence of religious, political and legal institutions in the early centuries of Islam. In addition, attention is given to theological, philosophical and mystical interpreters of Islamic ethos, with particular reference to specific scholarly interpretations from different regions of the Islamic world.

REL-2711(3) CONTEMPORARY ISLAM (Le3) This course explores Islam as a faith and way of life in the modern context. Examples of Muslim approaches to modernity in general are examined, and modern interpretations of selected Qur'anic themes are studied. Themes such as gender equality and the freedom of women, and their implications for contemporary Islam, are discussed. The course traces the activities and opinions of Muslim organizations from the Muslim world. In addition, it assesses the current status of Islam in North America.

RESTRICTIONS: Students cannot receive credit for both this course and the former REL-2701(3).

REL-2713(3) MUSLIMS IN CANADA (Le3) This course provides an historical overview of the Muslim community in Canada. The rise and development of Islamic institutions, organizations, associations, and forms of leadership are examined. In addition, Islamic identity, religious lifestyle, Islamic education, and the range of challenges facing Muslims living in Canada are discussed.

REL-2715(3) AFRICAN RELIGIONS (Le3) Africans have, for long, practiced several closely related but diverse religions. This course surveys African Religions taking into account this religious plurality. Certain themes, including, cosmology and mythology, monotheism and polytheism, divinity and experience, rituals, etc., are discussed. Selected African Religions are introduced, briefly, highlighting these themes according to geographical locations (mainly in the sub-Saharan). Detailed treatment of one or more religions from each region is provided. For current concerns, this course critically studies selected works by scholars of African religions on various topics (from theory and method to roles of women).

REL-2718(3) BUDDHIST TRADITIONS IN EAST ASIA (Le3) This course traces the historical development of Mahayana (Great Vehicle) Buddhism in East Asia, focusing on the founding of East Asian Buddhist traditions in China,

and their transmission to Korea and Japan. The course introduces the major beliefs and practices associated with East Asian Buddhism, the schools, figures, and texts that form the traditions that have flourished in East Asian countries. In addition to Chinese Buddhist developments, the course examines the adaptation of Chinese Buddhist traditions in Korea and Japan.

CROSS LISTED: East Asian Languages and Cultures EALC 2718(3).

REL-2721(3) TRADITIONAL JAPANESE CULTURE This course surveys traditional Japanese culture through an exploration of visual and dramatic arts, literature, philosophy, and religion. Special emphasis is placed on cross-cultural roots that bridged Japan with its neighbouring countries in East Asia. The historical foundations of popular Japanese contemporary culture—Manga, Anime, and high technology to name a few—are also discussed.

CROSS LISTED: East Asian Languages and Cultures EALC 2721(3).

REL-2731(3) CHINESE CULTURE & BELIEFS (Le3) Chinese Culture and Beliefs focuses on Chinese traditions and values that have influenced modern Chinese society. This course is introductory and requires no prior knowledge of Chinese language and history. All the texts in this course are in English. Students in the course discover ways in which cultural representations in social life, customs, business practice, literature, and art have affected and are being affected by beliefs. Through lecture and guided discussion students better understand how traditions and beliefs continue to inform about Chinese culture today.

CROSS LISTED: East Asian Languages and Cultures EALC 2731(3).

REL-2774 CHINESE INTELLECTUAL HISTORY (Le3) This course explores the intellectual history of China, focusing on developments before the Qing Dynasty (1644). Leading intellectual currents of Chinese thought are examined within the historical contexts that produced them. Special attention is given to interactions and debates within and between the traditions of Confucianism, Daoism, and Buddhism.

CROSS LISTED: East Asian Languages and Cultures EALC 2774(3).

REL-2775 INTELLECTUAL ENCOUNTERS: CHINA & THE WEST (Le3) In this course, intellectual encounters between China and the West from the 17th century to the present are examined in order to gain an understanding of China's search for identity. Topics include Chinese reactions to and adaptations of Western ideas, the ongoing validity of native traditions and institutions, the threat posed by Westernization and modernization, and the influence that these have had on the development of modern China.

CROSS LISTED: East Asian Languages and Cultures EALC 2775(3).

REL-2801(3) INTRODUCTION TO ABORIGINAL SPIRITUALITY (Le3) This course provides an introduction to the plurality of Aboriginal religious traditions in North America and the diversity, complexity, and vitality of these traditions. Included in the course content is an understanding of traditional ceremonies, cosmology or worldview, creation stories and other narrative forms, cultural values, healers, and medicine. Special attention is given to Anishinaabe, Omushkego, and Dakota traditions.

REL-2802(3) ABORIGINAL AND CHRISTIAN ENCOUNTER (Le3) This course explores Aboriginal Spirituality in the context of the encounter between Christianity and the traditional religions of the Aboriginal peoples of Canada and the United States from first contact

to the present. Topics include missionary societies, residential schools, historical and contemporary responses to the Christian tradition, issues related to Aboriginal identity and issues arising out of the Aboriginal and Christian encounter. Special attention is given to Anishinaabe, Ojibwe and Dakota traditions.

RESTRICTIONS: Students cannot receive credit for both this course and REL-2805(3).

REL-2803(3) ABORIGINAL SACRED NARRATIVES (Le3)

In Aboriginal traditions, storytelling is an important means by which cultural values, traditional knowledge and worldviews are taught. In this course, students are introduced to the vast corpus of sacred narratives found in Aboriginal religious traditions in the Americas. Narratives are examined to identify mythic themes/story types, human and non-human characters, cultural values, and traditional teachings. Aboriginal and academic concepts are used to understand the importance and meaning of sacred narratives. Methodological and interpretive issues in the study of myth are explored.

REL-2804(3) GLOBAL PERSPECTIVES ON ABORIGINAL SOCIETIES, SPIRITUALITIES AND THE ENVIRONMENT (Le3)

This course explores the spiritual traditions of aboriginal cultures throughout the world. For example, we examine the role of elders and shamans in various aboriginal societies, their understandings of the environment in which they live, and their various expressions of spirituality. The course discusses the recognition of aboriginal rights at the United Nations and its implications for preserving land, cultures and spiritualities. Finally, students reflect on the effect of development on Indigenous lands and how that is affecting aboriginal societies and their traditional belief systems.

CROSS LISTED: International Development Studies IDS-2804(3).

REL-2872 African Traditional Religions & Christian Encounter (Le3)

This course introduces students to the historical and contemporary encounter between African Traditional Religion (ATR) and Christianity. It includes an examination of how adherents of ATR have integrated the Christian message into their own cultural and religious contexts in the form of mission and African Initiated/Indigenous/Independent Churches (AIC). This course also explores the nature of religious pluralism and dialogue in the African context. Finally, it examines how Christianity has joined ATR in confronting a range of social issues and conflicts that have emerged in Africa in the postcolonial era.

REL-2901(3) ART IN NON-CHRISTIAN RELIGIONS (Le3)

This course explores the intrinsic links within non-Christian religious traditions between beliefs and social systems and the art produced in those contexts. We examine different traditions, regions, and eras, in religions such as Buddhism, Hinduism, Islam, Judaism, and Aboriginal Spirituality, and media such as architecture, decorative arts, painting, and sculpture. Students explore art's implicit and explicit messages about the religious beliefs of its producing society, the function of art in particular religions, and how one "reads" religious art. We investigate the impact of social, economic, and power structures on religious art, and the role of patronage in art production.

CROSS LISTED: History HIST-2802(3).

REL-2942(3) THE PHILOSOPHY OF YOGA (Le3) In this course students become acquainted with the dualistic philosophy of Vedanta and classical yoga through their study of the Bhagavad Gita and Patangali's Yoga Sutras. Students also examine the practices and teachings of the non-dualistic philosophy of Kashmir Shaivism as an evolution of the earlier teachings. The Siva Sutras are used to exemplify

and illustrate these teachings. This course is taught using a mixture of lectures, group discussions and individual Yogic exercises / practices.

REL-3007(6) INTRODUCTION TO CLASSICAL

CHINESE(Le3) This course introduces students to Classical Chinese language grammar, style, and the use of traditional characters, through the reading of excerpts from traditional Chinese literature, the basis from which all forms of the Classical Chinese writing system, in Japan and Korea as well as China, developed. Special attention is given to texts from ancient China's intellectual and religious traditions, Confucianism and Daoism (Taoism). The course assumes no prior knowledge of Chinese.

RESTRICTIONS: Not available to students with prior training in Classical Chinese. Students may not receive credit for this course and the former REL-2007(6)

CROSS LISTED: East Asian Languages and Cultures EALC 3007(6).

REL-3120(3) / REL-4120(3) THE PROPHETS IN ISRAEL'S CULTURE (S3)

This course is a study of the biblical prophetic literature in its social and religious context, paying attention to the prophets' perspectives on social, political, theological, and moral concerns.

PREREQUISITES: Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3120(3) and REL-4120(3). Students may not receive credit for both this course and the former REL-3121(3) or REL-3122(3).

REL-3125(3) / REL-4125(3) BIBLICAL MYTHS, LEGENDS AND FOLKTALES (S3)

This seminar course begins by surveying major cross-cultural approaches to the study of myths, legends, and folktales. These approaches are then applied to biblical stories such as the Garden of Eden, flood, ancestor stories, and exodus traditions.

PREREQUISITES: REL-1003(6) or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3125(3) and REL-4125(3).

REL-3157(3) / REL-4157(3) WOMEN IN ANCIENT ISRAEL (S3)

This course examines the roles and status of women in ancient Israelite culture and religion. Topics to be treated include women in myth and other genres of traditional narrative, the female life-cycle, and women in law, politics, priesthood, and prophecy.

PREREQUISITES: One of: REL-1003(6), REL-2111(6), REL-2125(3), WGS.1232(6), or permission of the instructor.

Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3157(3) and REL-4157(3).

REL-3504(3) / REL-4504(3) THE PROBLEM OF EVIL (S3)

In this seminar, we explore some of the ways Christians, Jews, and Muslims have conceptualized evil and responded to the problem of evil throughout history. In order better to understand this perennial religious problem, we consider selections from ancient scriptures, philosophical explanations, theological responses to catastrophes such as the Holocaust, and the depictions of evil in North American popular culture.

PREREQUISITES: 6 Credit hours in Religion & Culture or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3504(3) and REL-4504(3).

REL-3512(3) / REL-4512(3) RELIGIOUS QUEST IN THE MODERN AGE (S3) Students in this course explore contemporary literature against the cultural and political background that produced these kinds of fiction. Students examine the ways in which these books rely on traditional explicitly religious themes as well as broader modern and post-modern concerns such as the question of selfhood, the search for freedom, the grappling with death, and the search for meaning. Authors may include Joseph Conrad, Franz Kafka, Dionne Brand, Arundhati Roy, Shauna Singh Baldwin, Albert Camus, Carol Shields, Rohinton Mistry, Umberto Eco, Yann Martel, Joy Kogawa, Jonathan Franzen, and Margaret Atwood.

PREREQUISITES: 6 credit hours in Religion & Culture or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3512(3) and REL-4512(3). Students may not receive credit for both this course and the former REL-3511(6).

REL-3514(3) / 4514(3) RELIGIOUS CRITIQUES OF MODERNITY (S3) This seminar course explores the phenomenon of "modernity" through the eyes of contemporary religious thinkers e.g. Hannah Arendt and Charles Taylor. Students explore a range of interconnected questions: What is modernity? What does it mean to say that the modern world is "secular"? How do modern phenomena, such as technology and bureaucracy, influence contemporary moral and political life? How does religion contribute—constructively or problematically—to the phenomenon of modernity? How does modernity impinge on the lives of modern religionists? Is it appropriate to speak of "modernity" or a multiplicity of "modernities"? The course engages these questions and related themes.

Prerequisites: 6 credit hours in Religion & Culture or Permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3504(3) and REL-4504(3).

REL-3551(3) / REL-4551(3) RELIGION AND SOCIAL CHANGE (S3) This is a study of the role of religion in promoting or restricting social change in two contexts: first, where a traditional religion and society exist; second, where the traditional relationship between religion and society has been significantly influenced by external religious, ideological, or social factors.

PREREQUISITES: Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3551(3) and REL-4551(3).

REL-3601(3) / REL-4601(3) STORIED LIVES: CONTEMPORARY SPIRITUAL BIOGRAPHIES AND THE CONSTRUCTION OF IDENTITY (S3) This course presents the current social scientific reflection on the "life history" as a means of understanding individuals and contextualizing the larger notions of "religious traditions" and "culture". Specifically, it considers the ways people construct and maintain their religious identities by weaving their own experiences into a narrative which includes other individuals and institutions. In addition to considering this method theoretically, students have an opportunity to employ this tool in the context of fieldwork.

PREREQUISITES: Students registering at the 4000 level must have Departmental permission. 6 credit hours in Religion & Culture or Permission of the instructor.

RESTRICTIONS: Students may not receive credit for both REL-3601(3) and REL-4601(3).

REL-3602(3) / REL-4602(3) RITUALS AND RITES OF PASSAGE IN CONTEMPORARY SOCIETY (S3) This course will allow students to explore the nature and role of

rituals and rites of passage in contemporary society. We will spend most of our time engaged in a collective exploration of common rituals (communion, puja), and rites of passage (weddings, funerals, bar/bat mitzvah) as they are found in North America. We will reflect upon the structures, meanings, and purposes of the events we discuss. We will also consider the ways the rituals and rites of passage we examine are related to the surrounding culture.

PREREQUISITES: Students registering at the 4000 level must have Departmental permission. 6 credit hours in Religion & Culture or permission of the instructor.

RESTRICTIONS: Students may not receive credit for both REL-3602(3) and REL-4602(3).

REL-3701(3) / REL-4701(3) ISSUES IN THE INTERPRETATION OF THE QUR'AN (S3) In this seminar, some of the issues pertaining to Qur'anic interpretation (exegesis) are discussed. After gaining an understanding of the book as a scripture, the history and the development of its exegetical venture is traced. Approaches of both classical and modern Muslim commentators on the Qur'an are explored. The Orientalists' approach to the Qur'an and its interpretation is also examined. For practical concerns, this course deals with the interpretation of the Qur'an in a broader context. Examples include the Qur'anic commentaries on Moses and Jesus.

PREREQUISITE: REL-1002(6) or REL-2701(3) or REL-2702(3) or REL-2710(3) or REL-2711(3) or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3701(3) and REL-4701(3). Students cannot receive credit for this course and the former REL-3701(3) Topics in Islam.

REL-3704(3) / REL-4704(3) Chinese & East Asian Perspectives on Human Rights This course focuses on conceptions of human rights in the Chinese and East Asian cultural context. While human rights notions are accepted and appreciated in many parts of Asia, the origins of human rights are rooted in Western intellectual discourses centering on notions of the individual and individual autonomy. Asian traditions are, as a rule, conceived on communitarian frameworks where individuality is subsumed within a framework defined by the needs of a community, however defined. The course explores the diversity of Asian views on this topic, with a focus on those emanating from Chinese culture.

PREREQUISITE: At least one non-language course in EALC, or permission of instructor.

RESTRICTIONS: Students may not receive credit for both REL-3704(3) and REL-4704(3).

CROSS LISTED: East Asian Languages and Cultures EALC 3704(3) / 4704(3), Human Rights & Global Studies HRGS 3311(3).

REL-3707(3) / REL-4707(3) ZEN BUDDHISM & EAST ASIAN CULTURE (S3) This course examines the history of Zen (Chinese Chan) Buddhism against the background of East Asian culture and its Buddhist heritage. The course features an examination of classical Zen texts (in translation), contrasting traditional interpretations with those of contemporary scholars.

PREREQUISITES: One of REL-1002(6), REL-2703(3), REL-2704(3), REL-2707(3), REL-2708(3) or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3707(3) and REL-4707(3).

CROSS LISTED: East Asian Languages and Cultures EALC 3707(3) / 4707(3).

REL-3708(3) / REL-4708(3) TOPICS IN BUDDHIST CULTURE AND SOCIETY (S3) This course explores topics

of contemporary interest regarding the study of Buddhism and society, examining major issues facing Buddhism in the Asian context, focusing on aspects of the institutional, social, and political role played by Buddhism. May be taken for credit more than once, with permission of instructor. Topics may include: Buddhism and Tibetan identity in the struggle for Tibetan autonomy in China, the Buddhist monastic institution and its role in society, and debates over the interpretation of Buddhism in modern Asian countries.
PREREQUISITES: One of REL-1002(6), REL-2704(3), REL-2705(3), REL-2707(3), REL-2708(3), REL-2709(3), REL-2718(3), or permission of the instructor. Students registering at the 4000 level must have Departmental permission.
RESTRICTIONS: Students may not receive credit for both REL-3708(3) and REL-4708(3), unless it is for a different topic

REL-3710(3) / REL-4710(3) THE BIBLE AND THE QUR'AN (S3) This course utilizes an interdisciplinary approach to explore the relationship between the Bible and the Qur'an. Themes (such as creation, prophecy, divine law, rituals and holy war) common to both texts, are examined in the context of the interpretation of these themes by Jewish, Christian and Muslim scholars (such as Jacob Neusner, William Brinner, F. E. Peters, Charles Adams and Raji al-Faruqi).
PREREQUISITES: REL-1002(6) or REL-2701(3) or REL-2702(3) or REL-2710(3) or REL-2711(3) or permission of the instructor. Students registering at the 4000 level must have Departmental permission.
RESTRICTIONS: Students may not receive credit for both REL-3710(3) and REL-4710(3).

REL-3712(3) ISLAMIC ART AND ARCHITECTURE (Le, S3) This course examines Islamic art and architecture from the rise of Islam in the seventh century to the nineteenth century, concentrating on the period 1250-1800. The course also considers cross-cultural influences and contrasts between the Islamic world and Europe. Topics include the 'reluctance' towards figural imagery, regional mosque architecture, and book illumination. Dynasties include Timurid, Safavid, Ottoman, Mamluk, and Mughal.
CROSS LISTED: HIST-3831

REL-3721(3) / REL-4721(3) THE AGE OF THE SAMURAI (S3) "Samurai" often evokes an image of a warrior entranced in the Bushido code, ready to commit harakiri upon command. This course demystifies such an aura surrounding Japan's warrior class by exploring their rise from Heian temple servants to Sengoku warlords and then their fall from Edo Japan's intellectuals and bureaucrats to the realms of the destitute. Sources include samurai autobiographies, their intellectual scholarship, and representations of samurai in contemporary popular culture.
Prerequisites: EALC/REL-2721 or permission of the instructor.
Prerequisites: EALC/REL-2721 or permission of the instructor.
Cross Listed: East Asian Languages and Cultures EALC-3721(3) / 4721(3).

REL-3802(3) / REL-4802(3) ABORIGINAL HEALERS (S3) This course focuses on the religious/spiritual leaders who are often referred to as medicine men/women or shamans. These individuals primarily function as healers but may also serve as Elders, prophets, priests, philosophers, intellectuals, mystics, artists, poets, and musicians, among other roles. This course examines the historical and contemporary place of these highly respected persons in Aboriginal religious traditions.
PREREQUISITES: One of REL-2801(3), REL-2802(3), REL-2803(3), or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3802(3) and REL-4802(3). Students may not receive credit for both this course and REL-2808(3).

REL-3803(3) / REL-4803(3) ABORIGINAL WOMEN'S TEACHINGS (S3) Aboriginal worldviews and ceremonies are, in general, gender inclusive. However, certain ceremonies and teachings, often referred to as "women's teachings," are specific to Aboriginal women. In addition, due to historical circumstances, the importance of women in worldview and ceremony has often been overlooked or sublimated in the written sources. This course examines the teachings, ceremonies, and issues related to Aboriginal women. Written sources by and about Aboriginal women and Aboriginal women's teachings are examined and local Aboriginal women Elders and traditional people are invited to speak to the class as oral sources.
PREREQUISITES: One of REL-2801(3), REL-2802(3), REL-2803(3), or permission of the instructor. Students registering at the 4000 level must have Departmental permission.
RESTRICTIONS: Students may not receive credit for both REL-3803(3) and REL-4803(3).

REL-3804(3) / REL-4804(3) ABORIGINAL SPIRITUALITY: RESEARCH METHODS (S3) This course focuses on research methods and sources for the study of Aboriginal spirituality. Sources include published and unpublished written material and oral narratives. Critical perspectives and ethical issues related to the study of Aboriginal spirituality and research with Elders and Aboriginal people are examined. Guidelines established by the Social Sciences and Humanities Research Council related to the development of an "Aboriginal Research Paradigm, or a decolonizing approach to research and scholarship" are discussed. During the term, students develop their own research projects in consultation with the professor.
PREREQUISITES: One of REL-2801(3), REL-2802(3), REL-2803(3) or permission of instructor. Students registering at the 4000 level must have Departmental permission.
RESTRICTIONS: Students may not receive credit for both REL-3804(3) and REL-4804(3).

REL-3900(3) / 4900(3) TOPICS IN HISTORICAL JUDAISM, CHRISTIANITY, OR ISLAM (S3) This course studies specific topics in the Historical Judaism, Christianity, or Islam area of study at an advanced level. This course may be repeated for credit when the topic varies. Students enrolled at the 4000 level are typically assigned a heavier workload in terms of assignments and are expected to perform at a more advanced level. Students should consult the department regarding potential offerings in a given year.
Prerequisites: 6 credit hours in Religion & Culture, 3 of which must be in the Historical Judaism, Christianity, or Islam area of study, or permission of the instructor. Students registering at the 4000 level must have departmental permission.

REL-3940(3) / 4940(3) TOPICS IN RELIGION AND MODERN WESTERN CULTURE (S3) This course explores specific topics in the Religions and Modern Western Culture area of study at an advanced level. This course may be repeated for credit when the topic varies. Students enrolled at the 4000 level are typically assigned a heavier workload in terms of assignments and are expected to perform at a more advanced level. Students should consult the department regarding potential offerings in a given year.
PREREQUISITES: 6 credit hours in Religion & Culture, 3 of which must be in the Religions and Modern Western Culture area of study, or permission of the instructor. Students registering at the 4000 level must have departmental permission.

REL-3970(3) / 4970(3) TOPICS IN ASIAN RELIGIONS AND CULTURES (S3)

This course explores specific topics in the Asian Religions and Cultures area of study at an advanced level. This course may be repeated for credit when the topic varies. Students enrolled at the 4000 level are typically assigned a heavier workload in terms of assignments and are expected to perform at a more advanced level. Students should consult the department regarding potential offerings in a given year.

PREREQUISITES: 6 credit hours in East Asian Languages and Cultures or 6 credit hours in Religion & Culture, 3 of which must be in the Asian Religions and Cultures area of study, or permission of the instructor. Students registering at the 4000 level must have departmental permission.

CROSS LISTED: East Asian Languages and Cultures EALC 3970(3) / 4970(3).

REL-3980(3) / 4980(3) TOPICS IN ABORIGINAL RELIGIOUS TRADITIONS (S3)

This course explores specific topics in the Aboriginal Religious Traditions area of study at an advanced level. This course may be repeated for credit when the topic varies. Students enrolled at the 4000 level are typically assigned a heavier workload in terms of assignments and are expected to perform at a more advanced level. Students should consult the department regarding potential offerings in a given year.

PREREQUISITES: 6 credit hours in Religion & Culture, 3 of which must be in the Aboriginal Religious Traditions area of study, or permission of the instructor. Students registering at the 4000 level must have departmental permission.

REL-3990(6) / REL-4990(6) READINGS IN RELIGION (D)

This course will provide individual directed study of a specialized subject at an advanced level.

PREREQUISITES: Permission of Department Chair.

REL-3991(3) / REL-4991(3) READINGS IN RELIGION (D)

This course will provide individual directed study of a specialized subject at an advanced level.

PREREQUISITES: Permission of Department Chair.

REL-3999(6) / REL-4999(6) LANGUAGES FOR RELIGIOUS STUDIES (T)

This course will provide an individual tutorial program in a language required by an advanced student in connection with ongoing study in a specialized religious field.

PREREQUISITES: Permission of Department Chair.

REL-5001(3) METHOD AND THEORY IN THE STUDY OF RELIGION I: SOCIAL SCIENTIFIC APPROACHES (S3)

This course examines the problem of method in Religious Studies, discussing Religion as a field of study, its definition, development, and relation to other disciplines. Students examine classic social scientific approaches to the study of religion: sociological, anthropological, psychological, as well as feminist and post-modernist methods. Along with REL-5002(3), this course fulfills the method and theory requirement for the Joint Masters Program in Religion.

PREREQUISITES: Open to Honours, Pre-masters or Masters students, or with the permission of Chair or Graduate Chair.

REL-5002(3) METHOD AND THEORY IN THE STUDY OF RELIGION II: TEXTUAL INTERPRETATION (S3)

This course introduces the problem of method in Religious Studies, especially as it relates to the study and interpretation of religious texts. Texts are examined from the perspective of various possible hermeneutical interpretations, taking into account literary, contextual, and historical concerns, as well as doctrinal and ideological considerations. Students consider both traditional religious and post-traditional ways of interpreting texts, gaining appreciation for how historical and ideological forces shape the interpretation of religious

texts. Along with REL-5001(3), this course fulfills the method and theory requirement for the Joint Master Program in Religion.

PREREQUISITES: Open to Honours, Pre-masters or Masters students, or with the permission of Chair or Graduate Chair.

REL-5990(6) ADVANCED INDIVIDUAL STUDY IN RELIGION (D)

This course will provide individual, directed study of a specialized topic for students beyond the undergraduate level.

REL-5991(3) ADVANCED INDIVIDUAL STUDY IN RELIGION (D)

This course will provide individual, directed study of a specialized topic for students beyond the undergraduate level.

RHETORIC, WRITING, AND COMMUNICATIONS (RHET)

Updated Jan. 30, 2013

Note: The department/program code RHET replaces the former code CAW or 18. Students cannot hold credit in RHET-xxxx and the former CAW.xxxx or 18.xxxx having the same course number [e.g., RHET-1105(3) and CAW-1105(3) and 18.1105(3)]. Students can hold credit for only one first year Rhetoric course.

Chair: Professor J. McLeod Rogers; Professors: C. Taylor; Associate Professors: R. Byrnes, J. Clary-Lemon, J. Kearns, B. Turner, T. Whalen; Instructors: V. Baseley, K. Collins, J. Freeman, D. Navratil, B. Nolan, S. Page.

DEGREES/PROGRAMS OFFERED

3-YEAR BA in RHETORIC AND COMMUNICATIONS

4-YEAR BA in RHETORIC AND COMMUNICATIONS

JOINT COMMUNICATIONS DEGREE/DIPLOMA (UW/RRC)

INTRODUCTION

The Department of Rhetoric, Writing, and Communications teaches both practical communicative skills and critical thinking about communicative texts and contexts. To prepare first-year students for success in university, our introductory courses provide instruction in academic writing. To prepare more advanced students for careers in communications and for participatory citizenship, our upper-level courses combine practical instruction in writing and public speaking with attention to the history, theory, and analysis of rhetoric and communication. The Department also houses the Tutoring Centre and Computer Writing Lab, both offering a range of resources for students to develop their writing abilities and prepare assignments.

In addition to discipline-specific writing courses at the introductory level (please see Course Listings for more information), the Department offers a 3-Year or 4-Year BA with a Major in Rhetoric and Communications. This program emphasizes the interpretation, evaluation, production, and precise editing of messages for a range of audiences, media, and purposes. Students in the Major practice writing in a variety of genres and read contemporary non-fiction, analyze visual and verbal arguments, trace the impact of print and electronic media on western culture, and—through the study of theory and close attention to textual practices—examine how ideology is embodied in discourse. Students with a BA in Rhetoric and Communications can enter graduate studies in such fields as Communications, Composition, Media Studies, and Rhetoric. They are also well prepared for public- and private-sector careers that depend on advanced analytical and communicative skills, especially in writing.

Also available is a 4-Year Degree/Diploma in Communications, offered jointly by the University of Winnipeg and Red River College. The Degree/Diploma balances a well-rounded liberal arts education with applied and workplace training to prepare students for careers in Journalism, Public Relations, Advertising, or Broadcast Production.

Requirements for the 3-Year and 4-Year BA and for the Joint Program in Communications are described below.

Students interested in either the Rhetoric and Communications Major or the Joint Degree/Diploma Program should contact the Department (786-9127) for basic information. Students are also encouraged to seek advice from faculty members about appropriate courses. A number of courses at the 2000-level or above may be taken for credit toward a major in English, or counted toward any degree as electives.

REQUIREMENTS FOR A 3-YEAR BA IN RHETORIC AND COMMUNICATIONS

ADMISSION REQUIREMENT	Students are encouraged to consult with a member of the Department of Rhetoric, Writing, and Communications in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours / Maximum 48 credit hours in the Major subject.
Double Major:	30 credit hours in Rhetoric and Communications and specified number of credit hours in the other department/program.
Required Courses and Course Distribution for Single and Double Majors:	
Year 1:	6 credit hours from the First-Year Group.
Years 2 and 3:	Minimum 24/Maximum 42 credit hours. Three foundational 3 credit-hour courses (RHET-2131(3), RHET-2135(3), RHET-2137(3), for a total of 9 credit hours), and the remaining

- credits from the four course groups, including at least one course from each group (see below).
- Combined Major: Minimum 48 credit hours from two different Majors with not less than 18 credit hours from each major subject.
- Required Courses for a Combined Major:
 RHET-2131(3), RHET-2135(3), RHET-2137(3)
 RHET-3329(3) if other Major Area is in the Humanities or Social Sciences
OR
 RHET-3310(3) if other Major Area is in the Natural Sciences, OR another course relevant to the rhetoric of Science

Course Groups

First-Year Courses

Students taking the Rhetoric and Communications Major are required to take 3 credit hours of Academic Writing and 3 credit hours in English at the first-year level.

Academic Writing (3 credit hours)

Three credit hours of Academic Writing at the first-year level are required. Please note that there are no exemptions from this requirement for students majoring in Rhetoric and Communications. If a student takes RHET-1110(6) Academic Writing: Extended or RHET-1115(6) Academic Writing: Extended (English as an Additional Language), only 3 credit hours will be counted towards the Major (although all 6 credit hours will count towards the degree). Students can choose one of the following Academic Writing designations:

- RHET-1101(3) Academic Writing: Humanities
- RHET-1102(3) Academic Writing: Social Sciences
- RHET-1103(3) Academic Writing: Sciences
- RHET-1104(3) Academic Writing: Business and Administration
- RHET-1105(3) Academic Writing: Multidisciplinary
- RHET-1106(3) Academic Writing: Links with the Disciplines
- RHET-1110(6) Academic Writing: Extended
- RHET-1115(6) Academic Writing: Extended (English as an Additional Language)

English (3 credit hours)

Students must also select 3 credit hours from the English courses listed here. If a student takes ENGL-1001(6), only 3 credit hours will be counted towards the Major (although all 6 credit hours will be counted towards the degree).

- ENGL-1000(3) English 1A
- ENGL-1003(3) Introduction to English: Topics in Literature
- ENGL-1004(3) Introduction to English: Reading Culture
- ENGL-1005(3) Introduction to English: Reading to Write Creatively
- ENGL-1001(6) English 1

Upper Level Courses

The 3-year BA Degree requires all students taking a Major in Rhetoric and Communications to complete a minimum of 24/ maximum of 42 credit hours in upper level courses in the Major. Nine (9) of these credit hours must be met by taking the following foundation courses:

Required Foundation Courses (9 credit hours)

- RHET-2131(3) Professional Style & Editing
- RHET-2135(3) Rhetorical Criticism
- RHET-2137(3) Contemporary Communication Theories

Students must select the remaining 15 to 33 credit hours from 2000 and 3000 level courses below. Students must take at least 3 credit hours from each of the following four groups. Please note that most of these courses will be offered at least once every other year.

Group One: Rhetoric (minimum 3 credit hours required)

- RHET-3138(3) Modern Rhetorical Theory
- RHET-3139(3) Rhetorics of Visual Representation
- RHET-3150(3) Studies in the Rhetoric of Nonfiction
- RHET-3152(3) Rhetoric and the World Wide Web
- RHET-3153(3) Studies in the Rhetorics of Gender
- RHET-3155(3) Writing on the Environment

Group Two: Written and Oral Communication (minimum 3 credit hours required)

- EDUC-2601(3) Introduction to Information Technology for Educators
- RHET-2145(3) Theories and Practices of Oral Communication
- RHET-2246(3) Revolutions in Communication
- RHET-3236(3) Orality and Literacy
- RHET-3250(3) Composition Studies
- RHET-3255(3) Narrative Thinking and Writing

Group Three: Specialized Communication (minimum 3 credit hours required)

- EDUC-4600(3) Critical Literacy for Empowerment
- RHET-2350(3) Reading and Writing Online

RHET-3154(3)	The New Journalism
RHET-3310(3)	Communicating Science
RHET-3320(3)	Forms of Inquiry in Written Communication
RHET-3329(3)	Writing for Scholarly Audiences
RHET-3330(3)	Investigative Journalism
RHET-3331(6)	Writing Partners Practicum
RHET-3340(3)	Technical and Professional Communication

Group Four: Media, Communication, and Society (minimum 3 credit hours required)

POL-3455(3)	Politics of the Mass Media in Canada
RHET-2246(3)	Revolutions in Communication
RHET-3151(3)	Critical Studies of Discourse
RHET-3321(3)	Composing Our Winnipeg: Rhetoric of/and the City
RHET-3331(6)	Writing Partners Practicum
RHET-3420(3)	Rhetorics of Identity
SOC-3214(3)	Mass Communication and Media

- Notes:** ¹Students are advised that SOC-3214(3) Mass Communication and Media has a prerequisite.
²Though it is listed in Group Two and Group Four, RHET-2246(3) Revolutions in Communication cannot be used to meet group requirements for both.
³Though it is listed in Group Three and Group Four, RHET-3331(6) Writing Partnerships Practicum cannot be used to meet group requirements for both.

Additional Courses

Students can also select from the following courses. RHET-2530(3) counts toward the Major but does not meet Group Requirements. RHET-3132(3), RHET-3133(6), and RHET-3900(3) may or may not meet Group Requirements depending on course content. Please contact the Chair of the Department or Major advisor.

RHET-2530(3)	Rhetorical Grammar
RHET-3132(3)	Directed Readings in Rhetoric and Composition
RHET-3133(6)	Directed Readings in Rhetoric and Composition
RHET-3900(3)	Topics in Rhetoric, Writing, and Communications

REQUIREMENTS FOR A 4-YEAR BA IN RHETORIC AND COMMUNICATIONS

ADMISSION REQUIREMENT	Students are encouraged to consult with a member of the Department of Rhetoric, Writing, and Communications in planning their course of study.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Sciences:	12 credit hours
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum five different subjects
MAJOR REQUIREMENT	
Single Major	Minimum 48 credit hours / Maximum 66 credit hours in the Major subject.
Double Major	Minimum 48 credit hours in each Major subject as specified by the Department/Program.
Cognates	Minimum 24 credit hours / Maximum 30 credit hours from related Departments.
Required Courses:	
Year 1	6 credit hours from the First-Year Group.
Years 2, 3 and 4	Minimum 42/maximum 60 credit hours. Four foundational 3 credit-hour courses (for a total of 12 credit hours), and the remaining credits from the four course groups, including at least one course from each group (see below).
Combined Major:	Minimum 60 credit hours from two different Majors with not less than 24 credit hours from each major subject.
Required Courses:	RHET-2131(3), RHET-2135(3), RHET-2137(3) RHET-3329(3) if other Major Area is in the Humanities or Social Sciences OR RHET-3310(3) if other Major Area is in the Natural Sciences, OR another course relevant to the rhetoric of Science

Course Groups

First-Year Courses

Students taking the Rhetoric and Communications Major are required to take 3 credit hours of Academic Writing and 3 credit hours in English at the first-year level.

Academic Writing (3 credit hours)

Three credit hours of Academic Writing at the first-year level are required. Please note that there are no exemptions from this requirement for students majoring in Rhetoric and Communications. If a student takes RHET-1110(6) Academic Writing: Extended or RHET-1115(6) Academic Writing: Extended (EAL), only 3 credit hours will be counted towards the Major (although all 6 credit hours will count towards the degree). Students can choose one of the following Academic Writing designations:

- RHET-1101(3) Academic Writing: Humanities
- RHET-1102(3) Academic Writing: Social Sciences
- RHET-1103(3) Academic Writing: Sciences
- RHET-1104(3) Academic Writing: Business and Administration
- RHET-1105(3) Academic Writing: Multidisciplinary
- RHET-1106(3) Academic Writing: Links with the Disciplines
- RHET-1110(6) Academic Writing: Extended
- RHET-1115(6) Academic Writing: Extended (EAL)

English (3 credit hours)

Students must also select 3 credit hours from the English courses listed here. If a student takes ENGL-1001(6), only 3 credit hours will be counted towards the Major (although all 6 credit hours will be counted towards the degree).

- ENGL-1000(3) English 1A
- ENGL-1003(3) Introduction to English: Topics in Literature
- ENGL-1004(3) Introduction to English: Reading Culture
- ENGL-1005(3) Introduction to English: Reading to Write Creatively
- ENGL-1001(6) English 1

Upper Level Courses

The 4-year BA Degree requires all students taking a Major in Rhetoric and Communications to complete a minimum of 42/ maximum of 60 credit hours in upper level courses in the Major. Students must take the following foundation courses totalling 12 credit hours of the upper level requirement:

Required Foundation Courses (12 credit hours)

- RHET-2131(3) Professional Style & Editing
- RHET-2135(3) Rhetorical Criticism
- RHET-2137(3) Contemporary Communication Theories
- RHET-3320(3) Forms of Inquiry in Written Communication

Students must select the remaining 30-48 credit hours from the following four groups and must take 3 credit hours from each group. Please note that most of these courses will be offered at least once every other year.

Group One: Rhetoric (minimum 3 credit hours required)

- RHET-3138(3) Modern Rhetorical Theory
- RHET-3139(3) Rhetorics of Visual Representation
- RHET-3150(3) Studies in the Rhetoric of Nonfiction
- RHET-3152(3) Rhetoric and the World Wide Web
- RHET-3153(3) Studies in the Rhetorics of Gender
- RHET-3155(3) Writing on the Environment

Group Two: Written and Oral Communication (minimum 3 credit hours required)

- EDUC-2601(3) Introduction to Information Technology for Educators
- RHET-2145(3) Theories and Practices of Oral Communication
- RHET-2246(3) Revolutions in Communication
- RHET-3236(3) Orality and Literacy
- RHET-3250(3) Composition Studies
- RHET-3255(3) Narrative Thinking and Writing

Group Three: Specialized Communication (minimum 3 credit hours required)

- EDUC-4600(3) Critical Literacy for Empowerment
- RHET-2350(3) Reading and Writing Online
- RHET-3154(3) The New Journalism
- RHET-3310(3) Communicating Science
- RHET-3329(3) Writing for Scholarly Audiences
- RHET-3330(3) Investigative Journalism
- RHET-3331(6) Writing Partners Practicum
- RHET-3340(3) Technical and Professional Communication

Group Four: Media, Communication, and Society (minimum 3 credit hours required)

- POL-3455(3) Politics of the Mass Media in Canada
- RHET-2246(3) Revolutions in Communication
- RHET-3151(3) Critical Studies of Discourse
- RHET-3321(3) Composing Our Winnipeg: Rhetoric of/and the City

RHET-3331(6) Writing Partners Practicum
 RHET-3420(3) Rhetorics of Identity
 SOC-3214(3) Mass Communication and Media

Notes: ¹Students are advised that SOC-3214(3) Mass Communication and Media has a prerequisite.
²Though it is listed in Group Two and Group Four, RHET-2246(3) Revolutions in Communication cannot be used to meet group requirements for both.
³Though it is listed in Group Three and Group Four, RHET-3331(6) Writing Partnerships Practicum cannot be used to meet group requirements for both.

Additional Courses

Students can also select from the following courses. RHET-2530(3) counts toward the Major but does not meet Group Requirements. RHET-3132(3), RHET-3133(6), and RHET-3900(3) may or may not meet Group Requirements depending on course content. Please contact the Chair of the Department or Major advisor.

RHET-2530(3) Rhetorical Grammar
 RHET-3132(3) Directed Readings in Rhetoric and Composition
 RHET-3133(6) Directed Readings in Rhetoric and Composition
 RHET-3900(3) Topics in Rhetoric, Writing, and Communications

Cognates (minimum 24 credit hours required)

Students taking a 4-year Major in Rhetoric and Communications are required to complete a minimum 24 credit hours/maximum 30 credit hours in cognate courses. Cognate courses address important topics in communications or in closely related areas of study not covered by the Department of Rhetoric, Writing, and Communications. Please note that the following is only a partial list of courses that will qualify as cognates for the Major. Students should also consult with a faculty member when planning their program.

CRS-2252(3)	Conflict and Communication	PHIL-2002(3)	History of Philosophy: Classical
CRS-2431(3)	Negotiation Theory and Practice	PHIL-2372(3)	Philosophy of Language
EDUC-2601(3)	Introduction to Information Technology for Educators	PHIL-3301(6)	Argumentation
EDUC-2611(2)	Information Technology Skills for Educators	PSYC-2620(3)	Psycholinguistics
ENGL-2802(3)	Syntax	PSYC-3450(3)	Organizational Leadership and Decision Making
ENGL-2803(3)	Phonetics and Phonology	PSYC-3480(3)	Interpersonal Communication
ENGL-2804(3)	Varieties of English	REL-3601(3)	Storyed Lives: Contemporary Spiritual Biographies and the Construction of Identity
ENGL-3800(6)	Stylistics	WGS-2256(3)	New Media, Culture Jamming, and the Third Wave
ENGL-3812(6)	A History of the English Language		
FREN-2109(3)	Normative Grammar		
FREN-2110(3)	Intermediate Written Expression		
PHIL-1301(6)	Introduction to Logical Reasoning		

JOINT COMMUNICATIONS DEGREE/DIPLOMA (UW/RRC)

The University of Winnipeg offers a combined degree/diploma program in Communications in cooperation with Red River College. Generally, students begin at the University of Winnipeg, completing at least 60 credit hours before proceeding to Red River, where they take the two-year Creative Communications Program. The final 12 credit hours of University of Winnipeg courses must be taken during these two years at Red River College if the student wishes to graduate within four years; otherwise, these credit hours may be completed before or after attending Red River College. Students are granted block transfer of 48 credit hours for their Creative Communications Diploma and granted a B.A. in Communications once they have received their diploma and completed the prescribed 72 credit hours of study at the University of Winnipeg.

APPLICATION PROCEDURES

Applications to the University of Winnipeg alone do not constitute applications to the Joint Communications Program. Students **must apply separately** to Red River College for admission to Creative Communications **at the same time** as they apply to the University of Winnipeg. In their applications to each institution, students must indicate their interest in the Joint Communications Program. If a student who has applied at both institutions begins the first year at UW in September 2009 and the application to Red River College is successful, the student will begin the Red River College part of the Program in September 2011. (If unsuccessful, students may reapply to Red River College during their years at the University of Winnipeg.) For more information please contact:

University of Winnipeg: Lois Martin, Admissions (786-9741)
 Red River College: Beth Shoenut (949-8306); bshoenut@rrc.mb.ca

GRADUATION REQUIREMENT

120 credit hours
 Students must complete 72 credit hours of University of Winnipeg courses or the equivalent; at least 60 credit hours of these courses must be completed at the University of Winnipeg to satisfy the residency requirement. Students are granted transfer credit for a maximum of 48 credit hours for the Creative Communications Diploma completed at Red River College.

RESIDENCE REQUIREMENT

60 credit hours

GENERAL DEGREE/DIPLOMA REQUIREMENT

- Science: 6 credit hours in Science. This 6 credit hour requirement can be fulfilled by a number of courses.
- Writing: Three credit hours of Academic Writing at the first-year level are required. Please note that there are no exemptions from this requirement for students pursuing the Degree/Diploma in Communications. If a student takes RHET-1110(6) Academic Writing: Extended or RHET-1115(6) Academic Writing: Extended (EAL), only 3 credit hours will be counted towards the Major (although all 6 credit hours will count towards the degree). Students can choose one of the following Academic Writing designations:
- | | |
|--------------|---|
| RHET-1101(3) | Academic Writing: Humanities |
| RHET-1102(3) | Academic Writing: Social Sciences |
| RHET-1103(3) | Academic Writing: Sciences |
| RHET-1104(3) | Academic Writing: Business and Administration |
| RHET-1105(3) | Academic Writing: Multidisciplinary |
| RHET-1106(3) | Academic Writing: Links with the Disciplines |
| RHET-1110(6) | Academic Writing: Extended |
| RHET-1115(6) | Academic Writing: Extended (EAL) |
- Social Science: 12 credit hours in Social Science. This requirement can be fulfilled by a number of courses.
- Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Students may include a maximum of 6 credit hours below the 1000 level in this category.
- Distribution: Minimum three (3) credit hours from each of five (5) different subject areas.
- Required Courses: 6 credit hours of first-year English. For more information, please contact the Department Assistant (ENGL) at 786-9292, or Dr. Alden Turner, Chair (ENGL) at 786-9294.

3 credit hours from the following list:

RHET-2131(3)	Professional Style and Editing
RHET-2530(3)	Rhetorical Grammar
RHET-3340(3)	Technical and Professional Communication

3 credit hours from the following list:

RHET-2135(3)	Rhetorical Criticism
RHET-3152(3)	Rhetoric and the World Wide Web
RHET-3151(3)	Critical Studies of Discourse

An additional 6 credit hours from courses offered by the Department of Rhetoric, Writing, and Communications (may include courses from the above lists).

A minimum of 18 credit hours of courses in **one** of the following clusters. All relevant courses offered by the Department of English satisfy this requirement. Courses from the Department of Rhetoric (beyond the 12 credit hours required, above) may also be used to satisfy this requirement.

Cluster One: Human Relations

PSYC-2400(3)	Social Psychology I	SOC-2105(6)	Race, Ethnic, and Aboriginal Relations
PSYC-2410(3)	Social Psychology II	RET-2137(3)	Contemporary Communication Theories
PSYC-3480(3)	Interpersonal Communication	RHET/WGS-3153(3)	Studies in Rhetorics of Gender
CRS-2252(3)	Conflict and Communication		

Cluster Two: Marketing and Business

HIST-2120(3)	History of Modern Business Enterprise	BUS-3271(3)	Marketing Research
HIST-2521(3)	Canadians at Work	BUS-4901(3)	Business Strategy
BUS-2103(3)	Organizational Behaviour	RHET-2137(3)	Contemporary Communication Theories
BUS-3230(3)	Advertising	RHET-3320(3)	Forms of Inquiry in Written Communication
BUS-3240(3)	Consumer Behaviour		

Cluster Three: Performance and Production

THFM-2410(6)	History of Film	THFM-2803(3)	Intro to Light & Sound
THFM-2310(6)	Filmmaking I	THRM-3310(6)	Screen Acting
THFM-3310(6)	Filmmaking II	RHET-3139(3)	Rhetoric of Visual Representation
THFM-2502(6)	Voice & Diction	RHET-2145(3)	Theories and Practices of Oral Communication
THFM-2611(3)	Introduction to Screenwriting		
THFM-2801(6)	Theoretical Production I		

Cluster Four: Politics, Ethics, Culture

HIST-2505(3)	Survey History of Canada, 1939- present	WGS-2260(6)	Girls, Women, and Popular Culture
HIST-3544(6)	History of Winnipeg	ENGL-2180(6)	Types of Popular Literature
PHIL-2202(6)	Ethics in Medicine and Law		Other relevant courses in English, History, Politics
POL-3455(3)	Politics of the Mass Media in Canada	RHET-3151(3)	Critical Studies of Discourse
POL-2500(3)	City Politics	RHET-3401(3)	Rhetoric of the Public Sphere
SOC-3214(3)	Mass Communication and Media		

Note: Students are encouraged to select from within their chosen cluster at least 3 credit hours of courses offered by the Department of Rhetoric, Writing, and Communications (RHET). A Rhetoric course cannot meet BOTH the cluster requirement AND the upper-level Rhetoric requirement.
Some of the courses listed above have prerequisites; please check individual Calendar listings.

SUMMARY OF THE RED RIVER COLLEGE CREATIVE COMMUNICATIONS PROGRAM

The Creative Communications Program at Red River College comprises four streams: Public Relations, Advertising, Broadcast Production, and Journalism. This program requires two terms each year of full-time course work and takes two years to complete. The program at Red River College generally accepts no more than 75 applicants per year. Courses in the first year of the Creative Communications Program include introductions to journalism, advertising, public relations, and electronic publishing; broadcast media; current events; style in journalism; and business communication. The second year of the Program provides further experience with broadcast media and requires practicums in public relations, advertising, broadcast production, and journalism.

Note: Students who have already fulfilled first-year requirements and/or who have completed the Creative Communications Diploma from RRC should contact Dr. Jaqueline McLeod Rogers, Chair, Department of Rhetoric, Writing, and Communications, at 786-9848, for further information about upper-level courses and requirements.

GENERAL INFORMATION

WRITING REQUIREMENT

University of Winnipeg students who are required to take a writing course (see *Degree and Major Requirements* for all Arts and Science Degree Programs) may enrol in any one of a variety of sections of Academic Writing, which is offered in both 6 credit hour and 3 credit hour versions. Students who believe their ability as writers would benefit from the extended practice offered by the 6 credit hour course are encouraged to register in Academic Writing: Extended. These students may wish to consult with Academic Advisors about their decision.

All EAL students who feel that they would benefit from extra attention paid to language learning should enrol in RHET-1115(6) Academic Writing: Extended (EAL).

ADDITIONAL INFORMATION

Academic Writing may not be used to meet the Humanities requirement. All upper level courses offered by the Department of Rhetoric, Writing, and Communications (with the exception of RHET-2530(3) Rhetorical Grammar) may be used to meet the Humanities requirement.

Students intending to transfer to the University of Manitoba should know that Academic Writing: Multidisciplinary, Academic Writing: Humanities, and Academic Writing: Links with the Disciplines fulfil the U of M requirement of 3 credit hours of Written English. However, Academic Writing does not fulfil the first-year English requirement for the U of M professional programs in Dentistry or Medicine, nor the Approved Arts Elective for Pharmacy.

Students registered in courses in Rhetoric, Writing, and Communications who do not attend class in the first week of the term risk losing their places to students on the waiting list.

COURSE LISTINGS

First Year Group

The Department of Rhetoric, Writing, and Communications offers multiple sections of its first-year courses in Academic Writing. Each section teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. Problems with sentence construction, grammar, and punctuation are addressed as the need arises. Academic Writing is required for all students in the Rhetoric and Communications Major and the Joint Program in Communications.

Note: Only one 1000-level Academic Writing course may be used as credit toward graduation.

INTRODUCTORY

3 CREDIT HOUR COURSES

The options available to students taking the 3 credit hour version of Academic Writing fall into three general categories:

- Sections designed to prepare students for major fields of study (Academic Writing in the Humanities, the Social Sciences, the Sciences, or Business and Administration);
- Sections linked to introductory courses in specific disciplines (Academic Writing: Links with the Disciplines);
- Sections which take a multidisciplinary rather than a discipline-specific perspective (Academic Writing: Multidisciplinary).

The specific content and approach of each section vary according to the interests and expertise of individual instructors and according to students' needs.

Further information about these courses is available in the descriptions below. Students are advised to consult the Department or Academic Advisors for more details about individual sections of Academic Writing.

Note: Information about prerequisites, corequisites, and restrictions for all sections of the 3 credit hour version of Academic Writing follows the description of the different options.

We also offer the following 6 credit hour versions of Academic Writing:

RHET-1110(6) Academic Writing: Extended

RHET-1115(6) Academic Writing: Extended (English as an Additional Language)

RHETORIC AND COMMUNICATION COURSES

The Department of Rhetoric, Writing, and Communications offers the following courses:

RHET-2131(3) Professional Style and Editing
RHET-2135(3) Rhetorical Criticism
RHET-2137(3) Contemporary Communication Theories
RHET-2145(3) Theories and Practices of Oral Communication
RHET-2246(3) Revolutions in Communications
RHET-2350(3) Reading and Writing Online
RHET-2530(3) Rhetorical Grammar
RHET-3132(3) Directed Readings in Rhetoric and Composition
RHET-3133(6) Directed Readings in Rhetoric and Composition
RHET-3138(3) Modern Rhetorical Theory
RHET-3139(3) Rhetorics of Visual Representation
RHET-3150(3) Studies in the Rhetoric of Nonfiction
RHET-3151(3) Critical Studies of Discourse
RHET-3152(3) Rhetoric and the World Wide Web
RHET-3154(3) The New Journalism
RHET-3155(3) Writing on the Environment
RHET-3236(3) Orality and Literacy

RHET-3250(3) Composition Studies
RHET-3255(3) Narrative Thinking and Writing
RHET-3310(3) Communicating Science
RHET-3320(3) Forms of Inquiry in Written Communication
RHET-3321(3) Composing Our Winnipeg: Rhetoric of/and the City
RHET-3329(3) Writing for Scholarly Audiences
RHET-3330(3) Investigative Journalism
RHET-3331(6) Writing Partnerships Practicum
RHET-3340(3) Technical and Professional Communication
RHET-3401(3) Rhetoric of the Public Sphere
RHET-3420(3) Rhetorics of Identity
RHET-3900(3) Topics in Rhetoric, Writing, and Communications

The following course is cross-listed with Women's Studies:
RHET-3153(3) Studies in the Rhetorics of Gender

EXPERIMENTAL COURSE

RHET-2500(3) Tutoring Writing

COURSE DESCRIPTIONS

NOTE: FOR ALL SECTIONS OF ACADEMIC WRITING

PREREQUISITES: For EAL students, a score of 3.5 on writing component of CanTEST or TWE, or 5.5 on IELTS writing.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English. RHET-1115(6) may not be taken by students whose first language is English.

Note: Only one 1000-level Academic Writing course may be used as credit toward graduation.

RHET-1101(3) ACADEMIC WRITING: HUMANITIES (Le3)

Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. Sections of RHET-1101 are designed for students likely to major in a discipline in the Humanities, such as English, History, or Philosophy. Assignments may include summaries, reviews, critiques, and research papers. Students are introduced to the styles of documenting sources and to the research databases relevant to the Humanities. The Department website provides detailed information about each section.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RHET-1102(3) ACADEMIC WRITING: SOCIAL SCIENCES (Le3)

Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. Sections of RHET-1102 are designed for students likely to major in a discipline in the Social Sciences, such as Politics, Psychology, or Sociology. Assignments may include

annotated bibliographies, literature reviews, and ethnographies. Students are introduced to the styles of documenting sources and to the research databases relevant to the Social Sciences. The Department website provides detailed information about each section.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RHET-1103(3) ACADEMIC WRITING: SCIENCES (Le3)

Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. Sections of RHET-1103 are designed for students likely to major in a discipline in the Sciences, such as Biology, Chemistry, or Physics. Students are introduced to the styles of documenting sources and to the research databases relevant to the Sciences. The Department website provides detailed information about each section.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level

for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RHET-1104(3) ACADEMIC WRITING: BUSINESS AND ADMINISTRATION (Le3)

Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. Sections of RHET-1104, designed for students in Business and Administration, focus on the fundamentals of good writing and critical thinking in academic and institutional settings. Students practise the forms of communication common in business, public administration, and non-profit organizations, such as summaries, reports, proposals, and correspondence. Students also learn the documentation styles and research databases relevant to Business and Administration. The Department website provides detailed information about each section.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English

RHET-1105(3) ACADEMIC WRITING:

MULTIDISCIPLINARY (Le3) Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. Sections of RHET-1105, designed for students who have not yet chosen a field of study, take a multidisciplinary rather than a discipline-specific perspective. The approach taken in each section (for instance, the assignments, the research methods, and the styles of documentation) will vary. The Department website provides detailed information about each section.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RHET-1106(3) ACADEMIC WRITING: LINKS WITH THE DISCIPLINES (Le3)

Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. Sections of RHET-1106 are linked with departments such as Conflict Resolution Studies, Environmental Studies, and Kinesiology and Applied Health. Students who are registered in a discipline-specific course are also enrolled in an Academic Writing section that concentrates on the texts, topics, methods of research, and forms of writing appropriate to that discipline. The Department website provides detailed information about each section.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive

credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RHET-1110(6) ACADEMIC WRITING: EXTENDED (Le3)

Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. This course is designed to give students extensive opportunities to further develop their writing abilities, such as generating, evaluating, and developing ideas logically, supporting arguments with evidence, gathering and documenting information from a variety of sources, and using language clearly and correctly. The Department website provides information about each section.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RHET-1115(6) ACADEMIC WRITING: EXTENDED

(English as an Additional Language) (Le3) Academic Writing teaches the essential strategies for university writing and research: the discovery of topics, the arrangement of ideas, the assessment of audience and purpose, and the practice of effective editing. This course is designed to give students whose first language is not English extensive opportunities to further develop their writing abilities, such as generating, evaluating, and developing ideas logically, supporting arguments with evident, gathering and documenting information from a variety of sources, and using language clearly and correctly. The Department website provides detailed information about each section.

PREREQUISITES: A score of 3.5 on writing component of CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RESTRICTIONS: RHET-1xxx(3) and RHET-1xxxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English.

RHET-2131(3) PROFESSIONAL STYLE AND EDITING

(Le3) This course teaches students to revise their prose, not for new ideas but for better phrasing of the ones they already have. Students will learn how to write in several prose styles and to edit each other's work professionally in terms of stylistic (rather than only grammatical) criteria. The course will include a number of short style exercises as well as longer essays, and a great deal of practice in editing. It will be a great help for anyone intending to write polished term papers or theses, not to mention business memos.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-2135(3) RHETORICAL CRITICISM (Le3) This course is recommended for students whose interests extend beyond the kinds of literature traditionally studied in English courses. The emphasis will be on non-literary texts and on language used to persuade – on media talk and advertising copy; on political speeches, campaigns, and editorials; on popular and professional essays. For the rhetorical critic, such uses of language are considered worthy of close analysis not because they have lasting aesthetic value, but because they reveal cultural values and social trends. Students in this course will examine a variety of nonfiction in order to develop the perspective of rhetorical criticism, which views language acts as responses to historical circumstances, addressed to particular audiences and motivated by particular goals. Contemporary, written texts will comprise the bulk of the reading in the course, but speeches and pre-modern texts may also be considered. In addition, students will be encouraged to suggest other readings (including magazine and newspaper articles) that are suitable for rhetorical analysis.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-2137(3) CONTEMPORARY COMMUNICATION THEORIES (Le3) Communication theories explain the way human beings interact verbally, at levels ranging from the interpersonal to the organizational. In this course, students are introduced to some of the major contemporary theories and practices pertaining to individual and group communication. These theories include (but are not limited to) social construction, symbolic interactionism, cultural criticism, dramatism, hermeneutics, standpoint theory, ethics, relational theories, and gender-based approaches. Readings are drawn from contemporary North American and European theorists. A variety of written and oral assignments invite students to apply their understanding of these theories to practical, even everyday communicative situations.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-2145(3) THEORIES AND PRACTICES OF ORAL COMMUNICATION (Le3) The goals of this course are threefold: to improve students' presentation skills in both design and delivery, to develop their critical analysis of others' presentations, and to extend their scholarly understanding of rhetoric and oratory. This course covers such topics as presentation structure, paralinguistic communication, the use of technology, charisma, gender and delivery, and rhetorical strategies of identification. Course work is evenly distributed between praxis-centred performance and scholarly reading and analysis, with assignments including both spoken presentation and theory-based research work.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-2246(3) REVOLUTIONS IN COMMUNICATION (Le3) This course provides students with an historical overview of communication, focussing particularly on those periods in which human relations were dramatically influenced by a shift from one communicative medium to another. After briefly considering the early use of pictorial symbols, the emergence of language, and the development of writing, the

course examines some of the profound social changes effected in the western world by the fifteenth-century invention of the printing press. Finally, we focus on the revolutionary impact of twentieth-century communicative technologies: radio, telephone and then the computer and the Internet, the effects of which are so wide-ranging that we have only begun to assess them.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-2350(3) READING AND WRITING ONLINE (Le3) This course is designed as an introduction to reading and writing texts on the World Wide Web. Just as computers have become the tools of choice for composition, so networks have become a medium of choice for publication. Students will learn the effects of the following contexts on writing: real time, synchronous communication (MOOs, chat software); anytime asynchronous communication (E-mail, discussion lists); and various web publications. Emphasis will be on reader awareness in evaluating the credibility of material in the on-line environment, and on creating web pages that demonstrate knowledge of the conventions of both hypertext and visual design.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-2530(3) RHETORICAL GRAMMAR (Le3) This course sharpens students' ability to edit efficiently at the sentence and paragraph levels. Through close analysis of examples, students first acquire a vocabulary for discussing grammar, syntax, and error that refines their understanding of English sentence structures. With these tools, students can identify structural flaws more precisely and thoroughly and better distinguish between errors and stylistic choices. The relationship between sentences – cohesion, unity, and emphasis – is then considered, and students are briefly introduced to fundamentals of style. Hands-on and skills-centred, this course includes many editing exercises.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3132(3) DIRECTED READINGS IN RHETORIC AND COMPOSITION (Le3) This course provides students with the opportunity to undertake research in Rhetoric and/or Composition in their particular areas of interest. Students will arrange a program of reading and individual study in consultation with an appropriate instructor.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3133(6) DIRECTED READINGS IN RHETORIC AND COMPOSITION (Le3) This course provides students with the opportunity to undertake research in Rhetoric and/or Composition in their particular areas of interest. Students will arrange a program of reading and individual study in consultation with an appropriate instructor.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3138(3) MODERN RHETORICAL THEORY (Le3)

This course focuses on modern theories that expand rhetoric's traditional function and scope, treating it not only as verbal suasion but also as the symbolic means by which humans define reality, create knowledge, and shape identities. From this perspective, nearly all uses of language are to some extent rhetorical, and rhetoric is as crucial to knowledge-making in science as it is to policy-making and debate in the public sphere. Readings include early modern theorists **such** as Kenneth Burke and Chaim Perelman, as well as contemporary theorists such as Celeste Michelle Condit, Thomas Farrell, and Edward Schiappa.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RESTRICTIONS: May not be taken by students with credit in RHET-2138(3).

RHET-3139 (3) RHETORICS OF VISUAL REPRESENTATION (Le3)

This course provides a systematic and comprehensive account of the grammar and rhetoric of visual design. By looking at the formal structures of design – colour, perspective, arrangement, and materiality – students examine the ways in which images communicate meaning. This course draws on a considerable range of examples to demonstrate the differences and the similarities between the grammar of language and that of visual communication. Given the influence and sophistication of visual texts and their relative neglect in scholarship, visual critique is important and necessary.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RESTRICTIONS: May not be taken by Students with credit in RHET-2139(3).

RHET-3150(3) STUDIES IN THE RHETORIC OF NONFICTION (Le3)

This course examines nonfiction as a creative, constructive art, one that is fact-based but also draws on a wide range of literary and rhetorical resources to entertain, inform, and persuade readers. Since nonfiction encompasses a variety of genres – travel and adventure literature, memoir and biography, nature writing, the personal essay, the polemical essay, and New Journalism, to name just a few – the focus in any given year will depend on the instructor's interests and selection of readings. But whatever the focus, the course considers each text as both rhetorical and literary, taking into account the context of its writing and intended audience, its author's purposes, its central ideas, its structure, and its style.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3151(3) CRITICAL STUDIES OF DISCOURSE (Le3)

Critical studies of discourse enable us to identify the ways that culturally prominent systems of value-laden language produce the forms and limits of probable (and even possible) thoughts and values. For example, patriotic discourses operate to legitimate the power of some groups in our culture, while making it seem equally logical to deny the rights of others. In this course, students learn techniques developed in the field of rhetorical studies for contributing to social change by recognizing, analyzing, and challenging the terms of discourse. Course assignments emphasize analysis of personal and public texts as speech acts that

provide insight into the workings of the larger discourse in which they participate.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3152(3) RHETORIC AND THE WORLD WIDE WEB (Le3)

The World Wide Web has become an integral part of our lives as students, researchers, consumers, and communicators. This course introduces theories and strategies for evaluating and assessing the Web as a rhetorical and social space. Readings and assignments invite students to analyze web page design and content from a variety of theoretical perspectives, as well as evaluate the impact of the Web on communication practices. In addition to rhetorical theory, critical perspectives may include hypertext and cognition, visual and design literacy, cyberfeminism, and online interpersonal relations. This course may also be offered online.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3153(3) STUDIES IN THE RHETORICS OF GENDER (Le3)

This course focuses on issues growing from the complex interaction of gender and language use, with a particular focus on written texts. Beginning with an overview of research on the relationship between gender and communicative behaviour, including feminist critiques of language, it considers such topics as the following: the rhetorics of the women's movement and of contemporary men's movements; verbal (and, to a lesser extent, visual) constructions of masculinity and femininity in advertising and the media; innovative uses of language which resist and subvert prevailing conceptions of appropriate communicative behaviour; and the rhetoric of public debates over issues such as abortion and reproductive technologies, in which gender is a central factor.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

CROSS-LISTED: Women's Studies WGS-3153(3).

RHET-3154(3) THE NEW JOURNALISM (Le3)

"New Journalism" arose in the 1960's when Truman Capote, Tom Wolf, Joan Didion, Hunter Thompson and others began to infuse their reporting with rhetorical and literary technique, creating a hybrid genre of reportage that was both factual and artistic. They dethroned the novel as the most prestigious outlet for imaginative literary talent in their generation and instigated the first powerful renewal of North American letters in fifty years. The course includes works of both early and later periods of the movement, and considers a number of critical and theoretical statements about its practice.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3155(3) WRITING ON THE ENVIRONMENT (Le3)

The focus of this course is writing on the environment, with emphasis on American and Canadian nonfiction writing after the 19th century. This includes what is often called "nature writing" – essays on farm life and backcountry living, writing about wilderness adventures, natural history essays, field

guides, rambles, and other genres that rely heavily on personal narratives or descriptions of natural phenomena. But it also includes works that rely more heavily on explicit argument, among them polemical essays and philosophical inquiry. It is the rhetoric of such writing that we will be studying.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3236(3) ORALITY AND LITERACY (Le3) About 2700 years ago, Greeks began using the alphabet. A number of scholars believe that human consciousness changed dramatically when hitherto purely “oral” people became literate, and especially that literacy made abstract thought far more convenient and far more common. They argue that “oral” people think and interact and conceive themselves differently than literate ones, and that literacy led to a new sense of independent selfhood, and inevitably to democracy. A few believe that electronic media are renewing orality in Western cultures, and that we can blame such problems as the literacy crisis on radio and television. The course will examine these and related arguments in the work of such scholars as Albert Lord, Eric Havelock, Walter Ong, Jack Goody, and Neil Postman.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communication must complete Academic Writing before taking an upper-level RHET course.

RESTRICTIONS: May not be taken by students with credit in RHET-2136(3).

RHET-3250(3) COMPOSITION STUDIES (Le3) This course introduces the main theories, topics, and issues in the field of composition, including theories of the composing process; writing pedagogy; the place of the writer in the university; the relationships among writing, gender, culture, and race; and the effect of new communicative technologies on the composing process. Students rehearse many of the processes and techniques considered in the course, and they may be required to carry out a data-based research project in composition, involving systematic observation and analysis of the composing process.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3255(3) NARRATIVE THINKING AND WRITING (Le3) Students in this course consider narrative as a way of thinking or mode of knowing, rather than as a method of transcription. They focus on the narrative methodologies of autobiographical criticism and ethnography by examining texts that represent early and recent examples of each. Working with autobiographical criticism, students consider how feminist theory has been instrumental in the development of criticism that foregrounds the connection between self and text. Turning to ethnography, students examine changes in the relationship between observer and field. In addition to considering these issues as readers of narrative, students are asked to write narratives that engage issues requiring analysis and to reflect on how narration both enables and inhibits the development of ideas.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RESTRICTIONS: May not be taken by Students with credit for RHET-2150(3).

RHET-3310(3) COMMUNICATING SCIENCE (Le3) This course focuses on strategies and techniques for communicating scientific knowledge. It is designed not only for students in the natural sciences but also for students from other disciplines who are interested in popular science writing or who anticipate entering careers which call for science writing. Students examine a range of genres, from technical to popular, in order to recognize how scientists communicate new knowledge and to identify the conventions and styles of the sciences. Students practice writing several genres, each genre addressing a specialist or a non-specialist audience.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3320(3) FORMS OF INQUIRY IN WRITTEN COMMUNICATION (Le3) This course examines the methods and methodologies of the research community that takes writing as its subject—defining *method* as a technique of gathering evidence and *methodology* as the underlying theory and analysis of how research proceeds. We review how the community of researchers formed since the 1960’s has relied upon diverse ways to make knowledge about writing and writing processes. Students examine qualitative approaches that are common or that are gaining prominence in this community, with emphasis on ethnography, case study, and teacher research narrative. The influences of feminism, pluralism, and collaborative scholarship are also considered. Students will become familiar with these methods by reading theory and research and by conducting their own research project.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RESTRICTIONS: May not be taken by students with credit in the former RHET-4320(3).

RHET-3321(3) COMPOSING OUR WINNIPEG: RHETORIC OF/AND THE CITY (Le3) In this course, we consider how our city has been written so far, and how its culture(s) and geography are a function of confrontations between language, cultures of poverty and power, and complex institutional decision-making. Rather than ignoring or mythologizing inequities – endorsing uncomfortable silences and uneasy confrontations as our *cityspeak* – we consider some material realities and social myths that shape our thinking about Winnipeg centre and neighbourhoods: who are we, what do we do, who moves in and out? From this interaction of real and imagined city, we compose a *third space* that signifies what the city can be.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3329(3) WRITING FOR SCHOLARLY AUDIENCES (Le3) This course addresses the varieties of scholarly discourse: why academics write and speak in a particular way, and how the contexts of political and economic environments that surround a university affect textual production. By reading and analyzing representative texts of various disciplines, students will learn to recognize and practice the sort of rhetoric used by academics. The goals of this course are threefold: (1) to increase students’

awareness of norms and disciplinary conventions; (2) to help prepare students for advanced scholarship; and (3) to learn more about the pragmatic components involved in writing, thinking, and speaking at an academic level.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RESTRICTIONS: May not be taken by students with credit in ENGL-2110(3), ENGL-2181(3), ENGL/RHET-2130(3), or RHET-2129(3).

RHET-3330(3) INVESTIGATIVE JOURNALISM (Le3) This course provides an overview of the history, theory, and practice of investigative journalism in Canada, placing the form in historical context and surveying its major practitioners in print and broadcast. The theoretical framework of investigative journalism is analyzed and parallels are drawn to social sciences. Students learn some practical tools of the investigative journalist, including search strategies, chronologies, computer-assisted reporting, online research methods, study and analysis of public records, and access-to-information methods. The ethics and legalities of investigative journalism are surveyed and case studies analyzed.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3331(6) WRITING PARTNERSHIPS PRACTICUM (Le3) This course stresses the concepts of experiential education and of writing as social action. As such, a key component of this course is taking part in a writing partnership with a community organization outside the university, and in some cases, university partners that need students' writing expertise. The goals of the course are to help students learn how to write for audiences inside and outside of the academy, to learn ethical guidelines for writing with community and university partners, to learn practical skills relating to the production of a range of texts, and to understand the intersections between writing and social justice initiatives.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3340(3) TECHNICAL AND PROFESSIONAL COMMUNICATION (Le3) This course provides an overview of the emerging field of organizational communication and an introduction to the ways in which a variety of rhetorical theories explain the strategic choices available to professional and technical communicators. Students will analyze various artefacts of organizational communication, as well as plan, draft, edit, and design a range of professional and technical documents, such as business correspondence, technical documents, proposals, and reports. The assignments will stress the importance of a critical analysis of purpose, situation, context, and readership for making effective, appropriate, and ethical choices as technical and professional communicators. Uses and design of electronic correspondence and on-line information will also be discussed.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RESTRICTIONS: May not be taken by Students with credit in RHET-2140(3).

RHET-3401(3) RHETORIC OF THE PUBLIC SPHERE (Le3) This course adopts a rhetoric and communications framework to explore the concept of "the public sphere," everyday processes of communal discourse and negotiation. It examines written, spoken, visual, gestural, and other texts that mediate relations among people in civic spaces. It may include such topics as the definition of the term "public sphere," the history of public discourse, the relationship between state and civil society, the ethics of public texts and power, the impact of the media in narrating public events, and the textual "handling" of social tensions.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3420(3) RHETORICS OF IDENTITY (Le3) This course investigates the relationships between discourse and identity. Examining discursive constructions of representation, the course explores how discourse reflects, produces, and reproduces "difference" topics such as race, gender, class, sexual orientation, and disability. It considers how communicative and suasive language shapes and privileges particular identities, and investigates how difference shapes literate practices in representations of the national, local, and academic. Drawing connections between intellectual institutions and social privilege, the course also explores power and identity politics, examining the reciprocal relationship between language and ideology.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

RHET-3900(3) TOPICS IN RHETORIC, WRITING, AND COMMUNICATIONS (Le3) This course offers a study of an area of rhetoric, writing, or communications not covered by the general courses in the department. Depending on the particular expertise or research interests of a given instructor, it may, for instance, centre on the rhetorics of a particular genre, a particular political focus, or a given thematic. The course also allows students to explore a given theoretical approach at a more advanced level than they might in other offerings. This course may be repeated for credit when the topic varies.

PREREQUISITES: Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

EXPERIMENTAL COURSE DESCRIPTIONS

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

RHET-2500(3) TUTORING WRITING (Le3) This course, which is required for students who wish to be hired as writing tutors, introduces prospective tutors to the current theories of tutoring writing, to the protocols and procedures of our Tutoring Centre, and to the specific demands of our students. These demands include writing in the disciplines

and tutoring English-as-an-Additional-Language writers. As students begin tutoring, they reflect together on their experiences, increasing their resources and tutoring strategies.

PREREQUISITES: Grade of B or better in any section of Academic Writing or in any upper-level course offered by the Department of Rhetoric, Writing, and Communications or permission of Instructor.

RESTRICTIONS: May not be taken by students with standing in the former EDUC-3301(3), EDUC-3303(3), RHET-2505(1), or RHET-2520(1).

SCIENCE with a BUSINESS STREAM

Updated Jan. 13, 2013

Students pursuing a 3-year, 4-year or Honours BSc in any department or program have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. After completing the requirements of the BSc degree and the set of core courses indicated below, it will be noted on the student's transcript that they have satisfied the requirements of a BSc degree with a Business stream.

Program Advisors: All Chairs, Directors or Coordinators in participating departments/programs can provide advice on the business stream within their major.

DEGREES/PROGRAMS OFFERED

3-year BSc with a Business stream

4-year BSc with a Business stream

Honours BSc with a Business stream

Participating departments/programs: Applied Computer Science, Bioanthropology, Biochemistry, Biology, Biopsychology, Chemistry, Environmental Studies, Geography, Kinesiology, Mathematics, Physics, and Statistics.

INTRODUCTION

This program will address the growing demand for University graduates in science to have the basic skill sets needed to function in a business environment. Businesses are playing an increasingly prominent role in science and technology in Canada, both in fundamental research and in the commercialization of innovative ideas to the marketplace. Partnerships between industry, academic institutions, and government agencies are thus on the rise. In particular, there is an expanding private sector in the life sciences, which includes everything from pharmaceutical companies making designer drugs to environmental consultants specializing in remediation. Also, science students who expect to proceed to professional school (Medicine, Dentistry, Pharmacy, etc.) can benefit from this degree stream since they will generally be involved in running their own small business when they practice their profession.

REQUIREMENTS FOR THE BUSINESS STREAM OF A BSc DEGREE

The program is built upon existing BSc degrees: all of the requirements of the target BSc degree must be satisfied. In addition, the student must complete the following additional 30 credit hours in order to satisfy the requirements of a BSc degree with a Business stream.

21 credit hours of required courses:

BUS-1201(3)	Introduction to Business I
BUS-1202(3)	Introduction to Business II
BUS-2210(3)	Fundamentals of Marketing
BUS-2440(3)	Fundamentals of Human Resource Management
BUS-2103(3)	Fundamentals of Organizational Behaviour
BUS-2501(3)	Fundamentals of Production and Operational Management

One of the following:

BUS-2002(3)	Fundamentals of Financial Accounting
OR	
BUS-2010(3)	Fundamentals of Financial Management and Administration

Minimum 3 credit hours selected from the following courses:

BUS-3110(3)	Ethics in Management
IDS-3101(3)	Development Ethics
PHIL-2201(6)	Moral Philosophy
PHIL-2233(3)	Environmental Ethics

Plus a minimum of 6 credit hours of any additional Business courses at the 3000- and/or 4000-level for a total of at least 30 credit hours.

The following electives are strongly recommended:

ACS-1809(3)	Website Design and Development
ACS-2814(3)	Application of Database Systems
ENV-2606(3)	Business and the Environment
ENV-3035(3)	Law and the Environment
ENV-4611(6)	Environmental Impact Assessment

SPANISH STUDIES (SPAN)

Updated January 21, 2013

Note: The department/program code SPAN replaces the former code 22. Students cannot hold credit in SPAN-xxxx and the former 22.xxxx having the same course number (e.g., SPAN-1001(6) and 22.1001(6)).

Chair: Associate Professor L. Dietrick; Coordinator of Spanish Studies: Associate Professor J. Machín-Lucas; Instructor II: M. Ruiz

DEGREES/PROGRAMS OFFERED

3-Year BA
3-Year BA Combined Major
4-Year BA Combined Major
Minor

INTRODUCTION

Spanish is a language that has more native speakers than any other except Chinese. Belonging to the Romance language family which also includes French, Italian and Portuguese, Spanish derived from Latin but was heavily influenced by Arabic during the occupation of Spain which lasted from 711 to 1492. As Spanish spread throughout the New World starting in the fifteenth century, it underwent numerous changes through contact with indigenous peoples and developed various regional varieties and dialects. Today, it is spoken in many parts of the world including Spain, Latin America (Mexico, Argentina, Chile, among other countries), the Caribbean (Cuba, Puerto Rico) and North Africa (Ceuta, Melilla). The majority of Spanish speakers are found outside of Spain and many make their home in the United States or Canada.

As the number of Spanish speakers continues to increase, so do the career opportunities in Spanish as a language for international business, trade and law, tourism, immigration and foreign service, global, national and community development with both governmental and non-governmental organizations as well as journalism, translation and teaching. In all of these fields, learning Spanish gives you a competitive edge.

Along with the language, you will gain the cultural awareness and understanding that is needed in today's global community. The courses that we offer will help you to develop your communications skills and your critical thinking skills - a must in order to grasp the subtleties of interacting with different cultures. In our courses, you will deepen your understanding of Hispanic culture through the analysis of texts from the Internet and the media as well as through the study of films and literature.

Whether Spanish is your first or second language or one of several that you speak, studying Spanish at the University of Winnipeg will be a rewarding and enriching experience that will give you an edge, whatever career path you choose.

REQUIREMENTS FOR A 3-YR BA IN SPANISH STUDIES

Single Major:	Minimum 30 credit hours/Maximum 48 credit hours.
Double Major:	30 credit hours in Spanish Studies and specified number of credit hours in the other department/program.
Required courses:	SPAN-2109(3) and SPAN-2180(3) Minimum 9 credit hours in Spanish Studies literature: SPAN-2181(3), SPAN-2384(3), SPAN-2385(3), SPAN-2386(3), SPAN-3101(3), SPAN-3102(3), SPAN-3103(3), SPAN-3104(3), SPAN-3181(3), SPAN-3182(3), SPAN-3183(3), SPAN-3184(3), SPAN-3185(3), SPAN-3186(3), SPAN-3187(3), and, if it is on a literary topic, SPAN-3910. Minimum 6 credit hours in Spanish Studies at the 3000-level. Minimum 2.5 GPA (C ⁺) in all Spanish Studies courses is advised for continuation in the Major program.

REQUIREMENTS FOR A 3-YR BA COMBINED MAJOR

GRADUATION REQUIREMENT: 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level.
Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

COMBINED MAJOR REQUIREMENT

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.
Required Courses: SPAN-2109(3) Normative Grammar and SPAN-2180(3) Introduction to Literary Analysis (The required courses for the other major will depend on the other department's criteria.)

REQUIREMENTS FOR A 4-YR BA COMBINED MAJOR

GRADUATION REQUIREMENT: 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

COMBINED MAJOR REQUIREMENT

Combined Major: Minimum 60 credit hours from 2 different majors with not less than 24 credit hours from each major subject.
Required Courses: SPAN-2109(3) Normative Grammar and SPAN-2180(3) Introduction to Literary Analysis, and any 3 credit hours in Spanish Studies at the 3000-level (The required courses for the other major will depend on the other department's criteria.)

REQUIREMENTS FOR A MINOR IN SPANISH STUDIES

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement: Minimum 12 credit hours in the Minor subject
Required courses: SPAN-2109 or SPAN-2180
Restrictions: Students cannot declare the same subject as a Major and a Minor.

COURSE LISTINGS

Students registering for their first Spanish Studies course are strongly encouraged to consult a departmental advisor. Please use WebAdvisor or consult the appropriate Timetable on the website for the courses to be offered in an upcoming term.

SPAN-1001(6)	Introductory Spanish	SPAN-3104(3)	Latin American Civilization from Independence to the Present
SPAN-2001(6)	Intermediate Spanish		
SPAN-2109(3)	Normative Grammar	SPAN-3113(3)	Exploring Language and Literature Through Texts
SPAN-2110(3)	Intermediate Written Expression		
SPAN-2114(3)	English-Spanish Translation	SPAN-3114(3)	English-Spanish Interpretation
SPAN-2115(3)	Spanish-English Translation	SPAN-3181(3)	Modern Latin American Literature in Spanish
SPAN-2116(3)	Spanish for Business		
SPAN-2180(3)	Introduction to Literary Analysis	SPAN-3182(3)	Spanish Literature of the Golden Age
SPAN-2181(3)	The Short Story in Spanish	SPAN-3184(3)	The Contemporary Latin American Novel
SPAN-2384(3)	Modern Peninsular Spanish Literature and Culture		
SPAN-3101(3)	Spanish Civilization from the Middle Ages to the Golden Age	SPAN-3185(3)	The Spanish Novel
SPAN-3102(3)	Spanish Civilization from the Enlightenment to the Present	SPAN-3186(3)	Colonial and Nineteenth-Century Latin American Literature in Spanish
SPAN-3103(3)	Latin American Civilization: Pre-Colonial and Colonial	SPAN-3187	Spanish Literature of the Middle Ages
		SPAN-3301(3)	History of the Spanish Language
		SPAN-3183(3)	Spanish Literature from the Enlightenment to the Generation of 1898
		SPAN-3910(3)/(6)	Special Topics in Spanish Studies

COURSE DESCRIPTIONS

Students registering for their first Spanish Studies course are strongly encouraged to consult a departmental advisor. Please use WebAdvisor or consult the appropriate Timetable on the website for the courses to be offered in an upcoming term.

SPAN-1001(6) INTRODUCTORY SPANISH (Le3, La1) This course is designed for students who have little or no previous knowledge of Spanish and who wish to acquire a solid base in the written and spoken language. An effort is made to place equal emphasis on reading, writing, aural comprehension, and oral expression. To this end, one hour of language laboratory / small-group work supplements classroom work each week.

RESTRICTIONS: Native speakers of Spanish or students who have standing in Spanish 40S or equivalent are not eligible to take this course.

SPAN-2001(6) INTERMEDIATE SPANISH (Le3, La1) The aim of this course is to enable students to increase their proficiency in the following skills: reading, writing, aural comprehension and oral expression. Students review and build on grammar essentials, discuss readings and related topics of current interest, write compositions, and practice the spoken language. One hour of language laboratory / small-group work provides additional practice each week.

PREREQUISITES: SPAN-1001(6), Spanish 40S or permission of the department.

RESTRICTIONS: Students who have received a year or more of their secondary school education in a Spanish-speaking environment are not eligible to take this course.

SPAN-2109(3) NORMATIVE GRAMMAR (Le3) This course offers an intensive study of selected grammatical questions and a thorough study of syntax. Grammatical topics include transitive, intransitive and pronominal verbs; tenses and moods; and prepositions. The study of syntax focuses on subordinates clauses. **PREREQUISITES:** SPAN-2001(6) or permission of department.

SPAN-2110(3) INTERMEDIATE WRITTEN EXPRESSION (Le3) This course is designed primarily to improve student's written expression in Spanish; oral expression also receives attention. Students are introduced to the major aspects of the writing process, specific writing techniques (description, narration and argumentation), and grammatical and stylistic editing. Model texts are presented and assignments focus on selected prose genres (e.g. composition, correspondence, summary). Individual work and small-group activities consist of writing sentences, paragraphs, and compositions.

PREREQUISITES: SPAN-2109(3) or permission of department.

SPAN-2114(3) ENGLISH-SPANISH TRANSLATION (Le3) This course in translation from English to Spanish serves a dual purpose: to give students an opportunity to expand their Spanish vocabulary and grammatical skills and to introduce them to specific written styles in the target language (Spanish). A number of recurring semantic, grammatical and syntactic features of Spanish are studied through shorter translation exercises and through the translation of longer documents, e.g. newspaper articles, business letters, advertisements.

PREREQUISITES: SPAN-2109(3) or permission of instructor.

SPAN-2115(3) SPANISH-ENGLISH TRANSLATION (Le3) Taught in Spanish, this course introduces the principles of written translation from Spanish into English. Practical exercises focus on translation difficulties relating to English vocabulary, grammar, and style. Students translate short authentic Spanish-language texts from a variety of sources including newspapers, magazines, and literature.

PREREQUISITES: SPAN-2109(3) or permission of instructor.

SPAN-2116(3) SPANISH FOR BUSINESS (Le3) This practical course is intended primarily to teach students to communicate effectively in business. Course materials include situational texts reflecting business activities and covering a range of topics such as trade, office and computer vocabulary, financial institutions, marketing and advertising. The course is designed to expand language skills already acquired as well as to present the specialized vocabulary and idioms used in the business environment. It includes extensive exercises in vocabulary, comprehension, business writing, and correspondence.

PREREQUISITES: SPAN-2109(3) or permission of instructor.

SPAN-2180(3) INTRODUCTION TO LITERARY ANALYSIS (Le3) This course gives students the foundational skills required to read and write in Spanish about literature. Students are introduced to terms and tools of analysis necessary for a critical reading of literary texts drawn from different genres and a variety of areas of the Hispanic world (Spain and Latin America). Some class time is devoted to the development of writing skills as well as academic research techniques.

PREREQUISITES: SPAN-2001(6) or permission of instructor.

SPAN-2181(3) THE SHORT STORY IN SPANISH (Le3) This course allows students to develop an appreciation of the diversity of literature in the Spanish language through the study of representative short stories from major authors such as Juan Rulfo (Mexico), Esteban Echeverría (Argentina), Jorge Luis Borges (Argentina), Gabriel García Márquez (Colombia) or Baldomero Lillo (Chile). A number of videos provide sociocultural and historical background to the works selected.

PREREQUISITES: SPAN-2180(3) or permission of instructor.

SPAN-2384(3) MODERN PENINSULAR SPANISH LITERATURE AND CULTURE (Le3) This course offers a critical study of representative works by Spanish novelists, poets and dramatists from the beginning of the twentieth century to the Spanish Civil War (1936-1939) and from the postwar era up to Franco's death in 1975, with particular attention to the influence of Spain's social and political history on its writers and their literary works. Authors studied may include Federico García Lorca, Jorge Guillén, Miguel Hernández, Camilo José Cela, Carmen Laforet Diaz and Antonio Buero Vallejo.

PREREQUISITES: SPAN-2180(3) or permission of instructor.

SPAN-2385(3) LITERATURE AND CULTURE OF POST-FRANCO SPAIN (Le3) This course offers a critical study of representative works by Spanish novelists, poets and dramatist since Franco's death in 1975, with particular attention to the dramatic political and socio-cultural changes that Spain has experienced and the role of the country within the European Union today. Authors studied may include Juan Goytisolo, Juan Marsé, Carmen Martín Gaité and José Ángel Mañas.

PREREQUISITES: SPAN-2180(3) or permission of instructor.

SPAN-2386(3) CONTEMPORARY SPANISH CINEMA (Le3, LaV) This course traces the evolution of Spanish cinema from the 1960s to the present. The development of the Spanish cinematic canon is explored through the critical analysis of representative films by renowned directors such as Luis Buñuel, Víctor Erice, Pedro Almodóvar, Alejandro

Amenábar, Julio Medem, and Álex de la Iglesia. Attention is paid to the sociocultural and political context of the films presented. Students acquire the terminology and tools of analysis specific to film studies while being exposed to the social realities of contemporary Spain (e.g., national stereotypes, European integration, racism, immigration, gender identities) as depicted in films.

PREREQUISITES: SPAN-2180(3) or permission of instructor.

SPAN-3101(3) SPANISH CIVILIZATION FROM THE MIDDLE AGES TO THE GOLDEN AGE (Le3) This course traces the evolution of Spanish culture from the Middle Ages to the end of the Golden Age in the 17th century. In addition to a broad overview of Spanish history and geography, topics may include art and architecture (religious, military and domestic) and the customs and traditions of Spain.

PREREQUISITES: Any 9 credit hours in Spanish Studies above the 1000-level or permission of instructor.

SPAN-3102(3) SPANISH CIVILIZATION FROM THE ENLIGHTENMENT TO THE PRESENT (Le3) This course traces the evolution of Spanish culture from the eighteenth century to the present day. In addition to a broad overview of Spanish history, topics may include Spanish art (e.g., Velázquez, Goya, Picasso, Dalí), architecture (religious, military, and domestic), and cultural institutions (e.g., the *Real Academia Española*).

PREREQUISITES: Any 9 credit hours in Spanish Studies above the 1000-level or permission of instructor.

SPAN-3103(3) LATIN AMERICAN CIVILIZATION: PRE-COLONIAL AND COLONIAL (Le3) This course offers a survey of pre-Columbian civilizations up to the end of the 15th century as well as a focus on the Spanish colonization during the 16th century. Areas studied may include customs, domestic issues, the military, painting, sculpture, architecture, music or religion. Aspects relating to history, geography, literature, and language may also be discussed. The merging of cultures, resulting from the power struggles among the indigenous peoples and the Spanish, is an important focus as well.

PREREQUISITES: Any 9 credit hours in Spanish Studies above the 1000-level or permission of instructor.

SPAN-3104(3) LATIN AMERICAN CIVILIZATION: FROM INDEPENDENCE TO THE PRESENT (Le3) This course focuses on cultural studies relating to Latin America from the 18th century, the "Century of Enlightenment", to the present. Topics may include customs, domestic issues, the military, painting, sculpture, architecture, music or religion. Aspects relating to history, geography, literature, and language may also be discussed. The coexistence of the creole, *mestizo*, and indigenous peoples in Latin America, and the power struggles among the groups, are also examined.

PREREQUISITES: Any 9 credit hours in Spanish Studies above the 1000-level or permission of instructor.

SPAN-3113(3) EXPLORING LANGUAGE AND SOCIETY THROUGH TEXTS (Le3) This course examines current events, social issues and artistic and intellectual trends in the contemporary Hispanic world through the analysis and discussion of media sources including the Internet, television and the press. The course offers extensive reading practice and is designed for students who wish to develop a high level of oral and written proficiency in Spanish. Emphasis is placed on the acquisition of specialized vocabulary. Course work includes written compositions, oral presentations, debates and round-table discussions.

PREREQUISITES: Any 12 credit hours in 2000-level Spanish Studies language courses or permission of instructor.

SPAN-3114(3) ENGLISH-SPANISH INTERPRETATION (Le3) Taught in Spanish, this course introduces the basic

techniques of consecutive and simultaneous interpretation (spoken translation) from English into Spanish. Attention is given to cross-cultural communication problems. Skills are developed through a variety of practical exercises in summarization, reformulation, note-taking, and content analysis. Students translate short authentic English-language speeches representing a variety of topics, styles, and registers. The skills practiced in this course are applicable to various fields of interpretation (e.g., conference, legal, medical).

PREREQUISITES: SPAN-2114(3) or SPAN-2115(3) or permission of instructor.

SPAN-3181(3) MODERN LATIN AMERICAN LITERATURE IN SPANISH (Le3) This course provides a chronological survey of Latin American literature from the Modernismo period (c.1880) to the present day, including selections from such authors as Rubén Darío (Nicaragua), Gabriela Mistral (Chile), Jorge Luis Borges (Argentina), Pablo Neruda (Chile), Octavio Paz (Mexico) and Gabriel García Márquez (Columbia). Through the analysis of representative texts of various literary genres, the course examines the literary movements of the period and their social political and historical context.

PREREQUISITES: Any 6 credit hours in 2000-level Spanish Studies literature courses or permission of instructor.

SPAN-3182(3) LITERATURE OF THE GOLDEN AGE (Le3) This course examines the main literary genres and movements of the Golden Age in Spain through the study of representative works from the sixteenth and seventeenth centuries by such authors as Góngora, Cervantes, Calderón, de la Barca, Garcilaso de la Vega, Tirso de Molina and Lope de Vega. Special emphasis is placed on the study of *Don Quijote de la Mancha*, the first modern novel of Western literature.

PREREQUISITES: Any 6 credit hours in Spanish Studies literature courses or permission of instructor.

SPAN-3183(3) SPANISH LITERATURE FROM THE ENLIGHTENMENT TO THE GENERATION OF 1898 (Le3)

This course examines the evolution of Spanish literature from the 18th century to the beginning of the 20th century. The main literary movements (neoclassicism, preromanticism, Romanticism, realism, naturalism, modernism) are studied through selected works of poetry, prose, and drama by such authors as Feijoo, Jovellanos, Cadalso, Larra, Galdós, Valera, and Unamuno. Students are introduced to a variety of methodologies for literary analysis such as narratology, dramatology, and semiotics.

PREREQUISITES: Any 6 credit hours in Spanish Studies literature courses or permission of instructor.

SPAN-3184(3) THE LATIN AMERICAN NOVEL (Le3) This course examines the development of the Latin American novel. Works studied represent some of the most important contemporary Latin American writers, such as Isabel Allende, Gabriel García Márquez, Manuel Puig, Juan Rulfo, Carlos Fuentes and Mariano Azuela.

PREREQUISITES: Any 6 credit hours in 2000-level Spanish Studies literature courses, or permission of instructor.

SPAN-3185(3) THE SPANISH NOVEL (Le3) This course offers the possibility to read, analyze, and discuss in depth novels written by celebrated Spanish authors. Authors studied may include Miguel de Cervantes, Francisco de Quevedo, Leopoldo Alas "Clarín", Benito Pérez Galdós, Juan Valera, Camilo José Cela, and Juan Benet.

PREREQUISITES: Any 6 credit hours in 2000-level Spanish Studies literature courses, or permission of instructor.

SPAN-3186(3) COLONIAL AND NINETEENTH-CENTURY LATIN AMERICAN LITERATURE IN SPANISH (Le3) This

course provides a chronological survey of Latin American literature from the end of the 15th century, the age of Spanish colonization, to the 19th century, the heyday and decline of realism and naturalism. Literary movements and their social, political and historical contexts are examined through the analysis of representative texts. Selections are drawn from such authors as Bernal Díaz del Castillo (Spain), El Inca Garcilaso de la Vega (Perú), Sor Juana Inés de la Cruz (México), Simón Bolívar (Venezuela), Esteban Echeverría (Argentina), Gertrudis Gómez de Avellaneda (Cuba), and Daniel Riquelme (Chile).

PREREQUISITES: Any 6 credit hours in 2000-level Spanish Studies literature courses, or permission of instructor.

SPAN-3187(3) SPANISH LITERATURE OF THE MIDDLE AGES (Le3) This course examines the evolution of Spanish literature from the Eleventh to the Fifteenth century. Authors or works studied will include *El cantar de Mio Cid*, Don Juan Manuel, El Arcipreste de Hita, Jorge Manrique and Fernando de Rojas. Special emphasis is placed on the study of *La Celestina*.

PREREQUISITES: Any 6 credit hours in 2000-level Spanish Studies literature courses, or permission of instructor.

SPAN-3301 HISTORY OF THE SPANISH LANGUAGE (Le3) This course traces the development of the Spanish language from its Latin origins to its modern-day dialects in Spain and the Americas. It examines both the internal evolution of the Spanish language (its phonetics, phonology, morphology, syntax, semantics, and pragmatics) and the sociocultural and historical factors that influenced its development. Various linguistic documents illustrating the distinct features of Spanish in different eras are studied. Special attention is paid to the appearance of cognate words shared by Spanish and English.

PREREQUISITES: Any 12 credit hours in 2000-level Spanish Studies language courses or permission of instructor.

SPAN-3910(3) OR (6) SPECIAL TOPICS IN SPANISH STUDIES (T) In this tutorial, students explore a topic in Spanish language or literature under the direction of a professor, for example: the mystical and surrealist poetry of Octavio Paz or the magic realism of Juan Rulfo and Gabriel García Márquez. This course may be repeated when the topic varies.

PREREQUISITES: Permission of instructor.

SOCIOLOGY (SOC)

Updated Apr. 11, 2013

Note: The department/program code SOC replaces the former code 50. Students cannot hold credit in SOC-xxxx and the former 50.xxxx having the same course number (e.g., SOC-1101(6) and 50.1101(6)).

Chair: Associate Professor K. Kramar; Professor Emeritus: D.A. Chekki
Associate Professors: C. Fillmore, C. Goff, M. Owen, H. Rimke
Assistant Professors: K. Fish, C. Pankratz, H. Rosenbaum, W. Xing
Instructors: K. Ducey, J. Franklin, H-H. Loewen,

<http://www.uwinnipeg.ca/index/sociology-index>

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA
Methods Certificate
Minor

INTRODUCTION

Sociology is an examination of the relations between the "individual" and "society". Studying sociology can help you to develop a "sociological imagination" which is a quality of mind that provides us with the ability to understand our own personal experiences as they are shaped by the society in which we live. Sociologists help us to understand how common sense comes to *be* common sense. In other words, sociology tells us how and why certain ideas are taken for granted and become *popular* and *dominant* during different social, economic, and historical time periods.

Sociology is often referred to as the "queen of the social sciences" because it uses history, philosophy, economics and statistics to understand social phenomena like crime rates, social inequality, student protest, and changes taking place in capitalist democracies. Undergraduate sociology students learn a variety of rigorous methods used by contemporary sociologists to understand and explain the social world. In part, this involves developing foundational skills in statistical reasoning, qualitative research methods, and sociological theory. A degree in sociology will provide you with the analytical tools required for engaged citizenship in the 21st century.

The Sociology Department offers 3-Year BA, 4-Year BA, and Honours degree programs. A student whose major lies in a different area may still study Sociology as an elective. Courses in Sociology complement such areas as Politics, History, Psychology, Education, Criminal Justice, Women's and Gender Studies, and Environmental Studies. Some interdisciplinary majors require certain Sociology courses as part of their programs.

An undergraduate degree in Sociology enables one to pursue a variety of vocations in such areas as social welfare, criminal justice, government, research, industrial relations and administration. Provincial and federal government offices hire a large number of persons with a Sociology background. And, of course, those who wish to go on to graduate studies may pursue a career in university teaching and research.

REQUIREMENTS FOR A 3-YEAR BA IN SOCIOLOGY

ADMISSION REQUIREMENT	Students must consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum three (3) credit hours from each of five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 30 credit hours/Maximum 48 credit hours.

Double Major: 30 credit hours in Sociology and specified number of credit hours in the other department/program.

Required courses:

- SOC-1101(6)** Introduction to Sociology
- SOC-2114(6)** Sociological Theory
- SOC-2125(3)** Introduction to Quantitative Research Methods (meets the University Science Requirement)
- SOC-2126(3)** Introduction to Research Design and Qualitative Research

Note: These requirements apply to students who registered at the University of Winnipeg during or after the 1992-93 academic year.

Combined Major: Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.

Prescribed courses:

- SOC-1101(6)** Introduction to Sociology
- SOC-2114(6)** Sociological Theory
- SOC-2125(3)** Introduction to Quantitative Research Methods
- SOC-2126(3)** Introduction to Research Design and Qualitative Research

Other required courses depend on the second major area.

REQUIREMENTS FOR A 4-YEAR BA IN SOCIOLOGY

ADMISSION REQUIREMENT Students must consult with the department advisor in planning their studies. Students must have completed at least 30 credit hours.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: 48 credit hours in each Major subject as specified by the department/program.
Cognates: Minimum of 18 credit hours/Maximum of 36 credit hours in ancillary courses.
Maximum total of cognate and major courses is 84 credit hours combined.

Required courses:

- SOC-1101(6)** Introduction to Sociology
- SOC-2114(6)** Sociological Theory
- SOC-2125(3)** Introduction to Quantitative Research Methods
- SOC-2126(3)** Introduction to Research Design and Qualitative Research

Students must maintain a 2.0 GPA (C).

Students must consult with the Departmental Chair in planning their curriculum; cognate courses will be chosen to complement the Sociology program.

Combined Major: Minimum 60 credit hours from 2 different majors with not less than 24 credit hours from each major subject.

Prescribed courses:

- SOC-1101(6)** Introduction to Sociology
- SOC-2114(6)** Sociological Theory
- SOC-2125(3)** Introduction to Quantitative Research Methods
- SOC-2126(3)** Introduction to Research Design and Qualitative Research

REQUIREMENTS FOR AN HONOURS BA IN SOCIOLOGY

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses. The minimum 2.5 GPA (C+) in all Non-Honours Subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including a minimum of 18 credit hours at the upper level (3000/4000) of which a minimum of 9 credit hours must be at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.
Minimum 30 credit hours in 4000-level Honours courses.
Double Honours: Minimum 36 credit hours in each Honours subject
Minimum 24 credit hours in 4000-level Honours courses in the Sociology component of the double Honours. For the requirements of the other Honours subject, consult the department involved.

Required courses Single Honours:

SOC-1101(6) Introduction to Sociology
SOC-2114(6) Sociological Theory
SOC-2125(3) Introduction to Quantitative Research Methods
SOC-2126(3) Introduction to Research Design and Qualitative Research
SOC-4405(6) Honours Research Paper

Suggested Pattern of Study:

Year 1: **SOC-1101(6)** Introduction to Sociology
Year 2: **SOC-2114(6)** Sociological Theory, 6 additional credit hours at the 2000 or 3000 level in Sociology.
Year 3: **SOC-2125(3)** Introduction to Quantitative Research Methods, **SOC-2126(3)** Introduction to Research Design and Qualitative Research, 12 credit hours at the 4000 level in Sociology.
Year 4: **SOC-4405(6)** Honours Research Paper, 12 additional credit hours at the 4000 level in Sociology.

Recommended: Single Honours students are strongly advised to include **SOC-4401(6)**, **SOC-4116(3)** and **SOC-4126(3)** in their Honours courses.

Double Honours:

SOC-1101(6) Introduction to Sociology
SOC-2114(6) Sociological Theory
SOC-2125(3) Introduction to Quantitative Research Methods
SOC-2126(3) Introduction to Research Design and Qualitative Research
SOC-4405(6) Honours Research Paper

Suggested Pattern of Study:

Year 1: **SOC-1101(6)** Introduction to Sociology
Year 2: **SOC-2114(6)** Sociological Theory, 6 additional credit hours at the 2000 or 3000 level in Sociology.
Year 3: **SOC-2125(3)** Introduction to Quantitative Research Methods, **SOC-2126(3)** Introduction to Research Design and Qualitative Research, 12 credit hours at the 4000 level in Sociology.
Year 4: **SOC-4405(6)** Honours Research Paper, 12 additional credit hours at the 4000 level in Sociology.

Recommended: Double Honours students are strongly advised to include **SOC-2114(6)** Sociological Theory as preparation for **SOC-4401(6)** Seminar in Sociological Theory and to include **SOC-4401(6)**, **SOC-4116(3)** and **SOC-4126(3)** in their honours courses.

Note: 6 credit hours at the 4000 level may be taken in Year 2.

Maximum 12 credit hours at the 4000 level may be taken as Tutorials, not including **SOC-4405(6)** Honours Research Paper.

RESEARCH METHODS CERTIFICATE

Sociology offers an 18 hour "Research Methods Certification" to students who graduate with SOC-2125(3), SOC-2126(3), plus 12 other methods credits from the following: SOC-3116(3), SOC-4116(3), SOC-4126(3) and SOC-4800(6). An average grade of B is required for the certificate.

REQUIREMENTS FOR A MINOR IN SOCIOLOGY

Requirements:	18 credit hours, at least 12 credit hours of which are above the first-year level, and at least 12 credit hours of which are taken at The University of Winnipeg.
Required courses:	6 credit hours: the prerequisite is a grade of "C" or better in SOC-1101(6) Introduction to Sociology. 12 credit hours in Sociology courses at or above the 2000 level.
Restriction:	Students majoring in Sociology cannot also complete a minor in this area of study.

GENERAL INFORMATION

Prerequisites

SOC-1101(6) Introductory Sociology is the prerequisite for registration in all Sociology courses at the 2000 level and higher, unless a prerequisite waiver is obtained.

SOC-2107(3) Criminological Theory is a prerequisite for all other criminology courses.

Course Offerings

2000- and 3000-level courses may be lecture, seminar or laboratory format, or some combination of these, depending on the orientation of the Instructor and the course enrolment. Usually they are lecture format. 4000-level courses are designed to offer the opportunity for in-depth discussion and analysis of issues and ideas on topics in which the Department members have special interest and expertise. Although 4000-level courses assume some prior experience with the subject under study, previous work experience, a keen interest in the topic or merely a strong desire to gain valuable experience from participating in a small group setting may be enough to outweigh lack of previous course experience. Students must consult with the Sociology Honours Advisor to receive program approval.

4000-Level Courses: Minimum 3.0 GPA (B) in major courses. (Students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of the Department is required for each 4000-level course.

COURSE LISTINGS

The Sociology Department has organized its courses into ten areas of study. These divisions are provided as guidelines to areas of study available for concentration. Students can move freely between the areas of study if they do not want to develop a concentration.

Courses are listed in numerical sequence. Students are advised to consult with the Department for planning their curriculum and with the Timetable available from the Records Office for courses being offered in the upcoming session.

	AREA 1		AREA 3
	CRIMINOLOGY		SEX AND GENDER
SOC-1006(3)	Beginnings in Law & Criminology	SOC-2118(6)	Sex and Gender Relationships
SOC-2107(3)	Criminological Theory	SOC-3118(6)	Women in Society
SOC-2108(3)	Social Regulation	SOC-3128(3)	Sociology of Sexuality
SOC-3123(3)	Crime, Victimization, and Justice in Aboriginal Communities	SOC-4100(6)	Queer Studies in the Global Postmodern
		SOC-4414(6)	Seminar on Women in Society
SOC-3201(3)	Sociology of Youth Justice		
SOC-3203(3)	Theories of Penalty		AREA 4
SOC-3205(3)	Policing, Governance and Security		LIFE COURSE
SOC-3208(3)	Women, Crime, and Social Justice	SOC-2103(6)	Sociology of Families
SOC-3213(3)	White Collar and Corporate Crime	SOC-2115(6)	Sociology of Socialization and Development
SOC-4406(6)	Seminar in Sociology of Law and Criminology	SOC-2201(3)	Sociology of Aging
		SOC-2202(3)	Changing Patterns of Aging
	AREA 2	SOC-2307(3)	Sociology of Youth
	HUMAN RIGHTS & GLOBALIZATION	SOC-4410(6)	Seminar on the Life Cycle: Middle and Later Years
SOC-2105(6)	Race, Ethnic and Aboriginal Relations		Seminar in Sociology of Families
SOC-2404(3)	Sociology of Development and Underdevelopment	SOC-4412(6)	
SOC-3101(6)	Globalization and Social Justice: A Sociological Perspective		AREA 5
SOC-3104(6)	Globalization and Societies in the World System	SOC-1006(3)	LAW & SOCIETY
SOC-3123(3)	Crime, Victimization, and Justice in Aboriginal Communities	SOC-2108(3)	Beginnings in Law & Criminology
		SOC-2119(6)	Social Regulation
SOC-3208(3)	Women, Crime, and Social Justice	SOC-4406(6)	Sociology of Law
SOC-4100(6)	Queer Studies in the Global Postmodern		Seminar in Sociology of Law and Criminology

AREA 6 POLITICAL ECONOMY	
SOC-2101(6)	Social Inequality in the Era of Globalization
SOC-2104(3)	Industrial Sociology
SOC-2109(3)	Social Policy and Social Welfare
SOC-2501(3)	Technology and Society
SOC-2502(3)	Sociology of the Environment
SOC-3204(3)	Economic Sociology
SOC-4101(6)	Seminar in Social Stratification

AREA 7 HUMAN RIGHTS & GLOBALIZATION	
SOC-2110(6)	Social Change
SOC-2308(3)	Critical Social Issues
SOC-3212(6)	Sociology of the Body
SOC-3214(3)	Mass Communication and Media
SOC-3215(3)	Popular Culture
SOC-4415(6)	Seminar on Sociology of Culture

AREA 8 RACE, RACIALIZATION, & POSTCOLONIALISM	
SOC-2105(6)	Race, Ethnic and Aboriginal Relations
SOC-3123(3)	Crime, Victimization, and Justice in Aboriginal Communities
SOC-3205(3)	Policing, Governance and Security
SOC-4413(6)	Seminar in Race and Ethnic Relations

AREA 9 SCIENCE, MEDICINE, & TECHNOLOGY	
SOC-2501(3)	Technology and Society
SOC-2502(3)	Sociology of the Environment
SOC-3102(6)	Sociology of Medicine
SOC-3210(6)	Critical Studies in Medicine and Psychiatry
SOC-3212(6)	Sociology of the Body
SOC-4409(6)	Seminar in the Sociology of Science, Medicine, and Technology

AREA 10 THEORY	
SOC-2107(3)	Criminological Theory
SOC-2114(6)	Sociological Theory
SOC-3203(3)	Theories of Penalty
SOC-4401(6)	Seminar in Sociological Theory

HONOURS COURSES	
SOC/WGS-4100(6)	Queer Studies in the Global Postmodern
SOC-4202(6)	Selected Topics II
SOC-4204(6)	Tutorial
SOC-4205(3)	Tutorial II
SOC-4401(6)	Seminar in Sociological Theory
SOC-4405(6)	Honours Research Paper
SOC-4406(6)	Seminar in Sociology of Law and Criminology
SOC-4408(6)	Seminar in Socialization and Development
SOC-4409(6)	Seminar in the Sociology of Science, Medicine, and Technology
SOC-4410(6)	Seminar on The Life Cycle: Middle and Later Years
SOC-4412(6)	Seminar in Sociology of Families
SOC-4413(6)	Seminar in Race and Ethnic Relations
SOC-4414(6)	Seminar on Women in Society
SOC-4415(6)	Seminar on Sociology of Culture
SOC-4800(6)	Research Field Placement

EXPERIMENTAL COURSES	
SOC-3223(3)	Green Criminology
SOC-3233(3)	Green Justice

COURSE DESCRIPTIONS

Students are advised to consult WebAdvisor or the appropriate Timetable on the website for courses to be offered during the current term.

SOC-1006(3) BEGINNINGS IN LAW AND CRIMINOLOGY (Le3) This course introduces students to the relationship among law, crime and society. It examines a range of law and policy from both a historical and contemporary perspective. Students are introduced to classical and contemporary theories in the field, as well as research methods and disciplinary debates.

SOC-1101(6) INTRODUCTION TO SOCIOLOGY (Le3) This course provides an introduction to the study of society and to the discipline of sociology. Topics to be covered include methods, culture, socialization, groups, social processes, the community, social stratification, the major institutions -- the family, the economic, the political, the religious, and the educational -- and social change in its contemporary setting.

SOC-2000(3) SOCIOLOGY OF SPORT (Le3) This course introduces various aspects of the study of sport. Using the major theoretical perspectives in sociology, the function of sport in contemporary society is examined. Contemporary issues in sport and society are also covered.
PREREQUISITE: SOC-1101(6).

SOC-2101(6) SOCIAL INEQUALITY IN THE ERA OF GLOBALIZATION (Le3) Using historical and comparative material, this course examines the historical origins of various inequalities including class, gender, racial-ethnic and international stratification. A major emphasis is placed upon the dynamics of these inequalities in the era of globalization and what has been termed "globalization of poverty".
PREREQUISITE: SOC-1101(6).

SOC-2103(6) SOCIOLOGY OF FAMILIES (Le3) This course presents a systematic analysis of the form, patterns, and functions of relationships and families in contemporary society. Various sociological approaches are used to study relationships and families with an emphasis on comparative and cross-cultural studies.
PREREQUISITE: SOC-1101(6), WGS-1232 (6), or permission of the Sociology Department Chair. (Declared Majors in Developmental Studies may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

SOC-2104(3) INDUSTRIAL SOCIOLOGY (Le3) This course focuses on the social relations of production and the organization of work in advanced industrialized countries. A major concern of the course is to promote understanding of the nature of conflict and harmony in industrial organizations. Possible topics for discussion include the historical and comparative study of labour and management organizations, the hierarchical nature of the workplace, the divisions among

the working class, the impact of technological development on the labour process, and the role of government in industrial relations.

PREREQUISITE: SOC-1101(6).

SOC-2105(6) RACE, ETHNIC AND ABORIGINAL RELATIONS (Le3) This course systematically studies the interactions among people who differ racially and/or ethnically from one another. Theoretical explanations of resulting patterns are examined and evaluated. Primary emphasis is on Canadian material, with a special emphasis on Aboriginal peoples.

PREREQUISITE: SOC-1101(6). (Declared majors in Aboriginal Governance may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

SOC-2107(3) CRIMINOLOGICAL THEORY (Le3) The problems of defining and explaining crime and deviant behaviour are considered as well as an analysis of the major theoretical trends in the field. The course is designed to introduce students to the intellectual history and development of major theories of crime and deviance and to provide those who wish to pursue their interest with the analytical tools required in the advanced courses in the field of criminology.

PREREQUISITE: SOC-1101(6).

SOC-2108(3) SOCIAL REGULATION (Le3) This course introduces students to the study of discourses of social regulation, moral regulation, and governance in Canada. It focuses on the processes and practices of normalization by exploring practices of power that shape social conduct and individual behaviour around the concept of deviance.

PREREQUISITE: SOC-2107(3).

SOC-2109(3) SOCIAL POLICY AND SOCIAL WELFARE (Le3) This course focuses on the policy context of social welfare with particular emphasis on Canada. How do Canada and other welfare states face up to the challenges posed by major socio-economic trends of today? The impact on welfare policies of globalization and such other important phenomena as family structure, gender roles, ethnic diversity, and an aging population is examined. Policies designed to deal with the challenges of poverty, social isolation, healthcare, homelessness, and disabilities are analyzed. Students are encouraged to apply sociological concepts and learn to analyze and judge particular policies.

PREREQUISITE: SOC-1101(6). (Declared Majors in Developmental Studies may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

SOC-2110(6) SOCIAL CHANGE (Le3) This course analyzes the sources, patterns, and consequences of social and cultural change. The role of technological, socio-economic, political and other factors in processes of change at institutional and societal levels is investigated. Problems of accelerated rate of innovations and rapid social change and prediction and planning of change are examined within cross-national comparative perspectives.

PREREQUISITE: SOC-1101(6).

SOC-2113(3) CANADIAN SOCIETY (Le3) This course provides an introduction to the study of the Canadian social structure and its major regional and cultural components such as the Prairies, French Canada and Native People. A variety of sociological perspectives are used in the analysis of the Canadian social structure.

PREREQUISITE: SOC-1101(6).

SOC-2114(6) SOCIOLOGICAL THEORY (Le3) This course explores the origin and development of classical social theory and evaluates its contemporary relevance. Some theorists to be covered are Marx, Durkheim, Weber,

Mead and Parsons. A major concern of the course is to familiarize students with various classical and contemporary theories and enhance critical thinking. This course is required of all majors and honours students.

PREREQUISITE: SOC-1101(6).

SOC-2115(6) SOCIOLOGY OF SOCIALIZATION AND DEVELOPMENT (Le3) Using several theoretical perspectives, this course investigates the processes of socialization and personality formation through this life cycle. Emphasis is placed on the content, stages and agencies of socialization in a variety of social contexts. Discussion and analysis are based on social, social psychological and comparative data.

PREREQUISITE: SOC-1101(6). (Declared Majors in Developmental Studies may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

SOC-2118(6) SEX AND GENDER RELATIONSHIPS (Le3) This course discusses the dynamics of sex and gender relationships in different socio-cultural contexts. Major topics for discussion include gender role differentiation, sex role stereotyping and changes over time in male/female relationships in North American society. Attention is given, where possible, to cross-cultural studies.

PREREQUISITE: SOC-1101(6), WGS-1232(6), or permission of Department Chair.

SOC-2119(6) SOCIOLOGY OF LAW (Le3) This course analyzes the effects of law on social relationships as well as the social dynamics which give rise to, maintain and alter laws. The sociological aspects of institutions and organizations are studied in the context of the Canadian legal system.

PREREQUISITE: SOC-2107(3).

SOC-2125(3) INTRODUCTION TO QUANTITATIVE RESEARCH METHODS (Le2,La2) This course is an introduction to the use of descriptive and inferential statistics in the social sciences, with an emphasis on sociology. Students will be introduced to survey research and techniques of data analysis. Lab work is included to develop computer-based statistical skills for use in research. This course is required for majors and honours students.

PREREQUISITE: SOC-1101(6) or CJ-1101(6).

RESTRICTIONS: Students may not receive credit for this course and the former SOC-2106(6).

NOTE: This course meets the University Science Requirement.

SOC-2126(3) INTRODUCTION TO RESEARCH DESIGN AND QUALITATIVE RESEARCH (Le2,La2) This course is an introduction to the principles and techniques of social science research. Areas of discussion involve the major methodological questions in the field, such as the relationship between empirical research and theory construction and the other factors that influence basic research processes. Included will be an introduction to the principles and design of qualitative research. Lab work is included to develop computer skills for use in research. This course is required for all honours and majors students.

PREREQUISITES: SOC-1101(6) or CJ-1101(6).

RESTRICTIONS: Students may not receive credit for this course and the former SOC-2106(6).

SOC-2201(3) SOCIOLOGY OF AGING (Le3) This course considers the age structure of Canadian society, aging in different cultures, methods of studying aging and sociological theories of aging. Possible issues for discussion include housing, pensions, transportation, and health care.

PREREQUISITE: SOC-1101(6).

SOC-2202(3) CHANGING PATTERNS OF AGING (Le3)

This course investigates the changes taking place today in the lives of middle-aged and older Canadians. Emphasis is placed on changes in social institutions and their impact on the process of aging, including the responses of people to change. Possible topics to be covered include issues related to changes in individual and population aging, such as intergenerational relations; changing perceptions of career and retirement; family and community-related role and commitment changes; and new values, attitudes, and alternate lifestyles in later life.

PREREQUISITE: SOC-1101(6).

SOC-2307(3) SOCIOLOGY OF YOUTH (Le3) Analyzing youth in contemporary society, this course explores their problems and roles in the family, education, the economy, politics and government, youth organizations, subcultures and social movements.

PREREQUISITE: SOC-1101(6).

SOC-2308(3) CRITICAL SOCIAL ISSUES (Le3) Using a sociological perspective, this course examines issues of current social controversy. (A more detailed description will be available in the Department Office in the terms in which the course is offered.)

PREREQUISITE: SOC-1101(6).

SOC-2404(3) SOCIOLOGY OF DEVELOPMENT AND UNDERDEVELOPMENT (Le3) Based on a variety of theoretical perspectives and research in the area of socio-economic development, this course focuses on the problems faced by industrializing countries. Major issues might include the unequal allocation of natural and agricultural resources and the basis of social and political inequalities between industrialized and industrializing countries.

PREREQUISITE: SOC-1101(6).

SOC-2501(3) TECHNOLOGY AND SOCIETY (Le3) This course provides a sociological analysis of the theoretical and substantive issues involved in the impact of technological change on contemporary society. It focuses on technological change as it affects the world of work, the environment, human reproduction, gender relations, and communications. We explore the growing significance of the Internet and its implications for such matters as privacy, community, and social relations. Various strategies for implementing technological change are also examined.

PREREQUISITES: SOC-1101(6) or ENV-1600(3).

SOC-2502(3) SOCIOLOGY OF THE ENVIRONMENT (Le3)

This course offers an examination of environmental issues and concerns from a sociological perspective. Topics for review include environmental values, attitudes and behaviour; the environmental movement; the political economy of the environment, and environmental risk and risk assessment. Debates surrounding such concepts as sustainable development, deep ecology, environmental justice and global change will also be emphasized.

PREREQUISITES: SOC-1101(6) or ENV-1600(3).

CROSS-LISTED: Environmental Studies ENV-2502(3).

SOC-3101(6) GLOBALIZATION AND SOCIAL JUSTICE: A SOCIOLOGICAL PERSPECTIVE (Le3)

This course uses various multidisciplinary perspectives to familiarize students with the main debates related to globalization and social justice. The goal is to identify the multifaceted ways in which globalization manifests itself in the contemporary world. This course critically examines some of the basic sociological concepts including the nation-state, organizations and communities, individual identity and culture in the context of globalization. The central aim is to examine to what degree and in what ways the issues of social justice or injustice are

articulated in the process of globalization.

PREREQUISITE: SOC-1101(6).

SOC-3102(6) SOCIOLOGY OF MEDICINE (Le3) The focus of this course is on the social context of disease and medical care. Topics to be covered include stress and psychosomatic illness, causes and consequences of mental illness, the sick role, variations in illness behaviour, doctor-patient relationships, unorthodox systems of medical practice, psychiatric therapies, organization of the medical profession, social structure of the hospital and politics of the health care system.

PREREQUISITE: SOC-1101(6).

SOC-3104(6) GLOBALIZATION AND SOCIETIES IN THE WORLD SYSTEM (Le3) This course examines the origins and dynamics of the "new world order" from the perspective of world systems and other theories. Various, and often conflicting conceptions of the globalization and its impact on human relations are given a central focus with a particular concern to the interrelationship of nations in the "global village". Emphasis is placed on such crucial phenomena as culture, economic life and distribution of power. Alternatives to modern national societies are examined.

PREREQUISITE: SOC-1101(6).

SOC-3115(3) POLITICAL SOCIOLOGY (Le3) This course examines the emergence of representative democracy in Western industrialized nations. Particular emphasis is given to social and political forces impacting on government and the state, the rise and demise of the Keynesian welfare state, and the abilities of governments to deal with the challenges of "globalization." This course also examines variables linked to voting behaviour in these countries.

PREREQUISITE: SOC-1101(6).

SOC-3116(3) APPLIED RESEARCH METHODS (Le2,La1)

In this skills-based course, students are provided with the supports and guidance to complete a practical research project of a qualitative and/or quantitative nature. Students take their own research proposal or an existing research design through a description of methods, ethics approval, data collection, analysis and conclusions. Once the basic framework has been established, this course then provides academic support for the student to conduct research to completion.

PREREQUISITES: SOC-1101(6), SOC-2125(3), SOC-2126(3) and permission of the Instructor.

RESTRICTIONS: Students may not receive credit for this course and the former SOC-2106(6).

SOC-3118(6) WOMEN IN SOCIETY (Le3) This course examines the social position of women in Western industrial capitalist societies with comparative material from socialist and non-industrial societies. Particular attention is given to the social status of women in the workforce and in the household and to prospects for change. Sociological perspectives explaining the origin and maintenance of the social position of women are examined.

PREREQUISITE: SOC-1101(6), WGS-1232(6), or permission of the Department Chair.

SOC-3123(3) CRIME, VICTIMIZATION, AND JUSTICE IN ABORIGINAL COMMUNITIES (Le3)

This course involves the study of adult and youth crime, victimization and justice in Aboriginal communities. It involves the study of various types of programs (e.g., sentencing circles) developed by Aboriginal communities to facilitate culturally appropriate justice programs and their impact upon community development.

PREREQUISITE: SOC-1101(6) (Declared majors in Aboriginal Governance may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

SOC-3128(3) SOCIOLOGY OF SEXUALITY (Le3) This course explores sociological theories and research in the area of gender and sexuality. The course material examines social construction of gender and sexuality from both micro (interactional) and macro (social structural) viewpoints. The focus is on modern society but attention will be paid to historical processes and cross cultural studies. Topics such as gender socialization, sports, and the family will also be explored.

PREREQUISITE: SOC-1101(6).

SOC-3201(3) SOCIOLOGY OF YOUTH JUSTICE (Le3)

This course examines the historical development of a separate justice system for young persons in Canada. The course offers a sociological analysis of the effectiveness of various reform measures adopted in separate court systems for youth. Attention is directed to the nature and extent of youth crime as well as changing public perceptions about youth violence. The course also examines force-based systems of punishment and restorative models of youth criminal justice. The Canadian youth justice system is compared to models in other Western jurisdictions.

PREREQUISITE: SOC-2107(3).

SOC-3203(3) THEORIES OF PENALTY (Le3) This course explores punishment from a sociological perspective which involves the study of penal theory and various kinds of disciplinary intervention. Consideration is given to punishments which occur outside the criminal justice system and the wider forms of social regulation in our society. Sociological analyses of punishment consider women prisoners, prisoners from visible and ethnic minorities, and aging prisoners. The privatization of punishment, movements for radical reform, and the establishment of alternative systems of restorative justice and First Nations approaches are also examined.

PREREQUISITE: SOC-2107(3).

SOC-3204(3) ECONOMIC SOCIOLOGY (Le3) This course examines the production, exchange, and consumption systems of modern industrial society using the analytical tools of critical sociological enquiry. The topics to be reviewed include alternative forms of complex organization, their differential impact on social structure, and the structure and effects of advertising, marketing and consuming behaviour.

PREREQUISITE: SOC-1101(6).

SOC-3205(3) POLICING, GOVERNANCE AND SECURITY (Le3)

This course examines the changing role of the state in relation to policing, in the context of risk and safety, through an examination of domestic policing, border and immigration patrol, and private security measures. In particular, it examines the nature of policing in Canada from a comparative standpoint; the expansion of the use of detention without due process in the context of terrorism; the rise of private security to police gated communities and the institutional environs such as shopping malls, schools and suburban property. It also examines other issues such as the technological advancements in surveillance.

PREREQUISITE: SOC-2107(3).

SOC-3208(3) WOMEN, CRIME, AND SOCIAL JUSTICE (Le3)

This course examines gender differences in crime, theories of women's crime, and the treatment of both women offenders and victims by the criminal justice system. Emphasis will be placed on the feminist scholarship that addresses these issues.

PREREQUISITE: SOC-2107(3) or WGS-1232(6).

SOC-3210(6) CRITICAL STUDIES IN MEDICINE AND PSYCHIATRY (Le3)

This course provides a sociological approach to understanding the power of medicine and psychiatry in modern society. Topics include cross-cultural

differences in conceptions of normal and abnormal, the social history of psychiatric institutions, gender and mental health, social factors contributing to mental and emotional problems, suicide, the experience of psychiatric survivors and patients, the mental health crisis of prisoners, the social construction of mental pathology, the organization and effectiveness of treatment programs, human rights and psychiatric abuses, and the psychopharmaceutical industry.

PREREQUISITE: SOC-1101(6).

SOC-3212(6) SOCIOLOGY OF THE BODY (Le3)

The focus of this course is the body, not in its biological sense but in its social sense: the body as a social construction. Every society within a given historical period develops specific meanings for the forms, functions, and movements of the body. This course will examine the human body from a number of different perspectives and study the body as a site of social interaction. This course will survey the history of thinking about the body, the body as a reflection of society and theories of corporeal representation.

PREREQUISITE: SOC-1101(6), WGS-1232(6), or permission of the instructor

CROSS-LISTED: Women's and Gender Studies WGS-3212(6).

SOC-3213(3) WHITE COLLAR AND CORPORATE CRIME (Le3)

This course is a comprehensive examination of the prevalence and impact of crime committed by those working in the "suites" as opposed to the "streets". Expanding upon the concept of "white collar crime," the course focuses on an investigation of both "occupational" and "organizational/corporate" criminality. As part of that investigation the course analyzes the "socially injurious acts" of corporations and formal organizations (including governments) against their employees, consumers, the public, and the environment. The course also looks at the deviant and illegal acts of individuals.

PREREQUISITE: SOC-2107(3).

SOC-3214(3) MASS COMMUNICATION AND MEDIA (Le1.5, S1.5)

This course examines the social implications of developments in communications and media technologies. Course material focuses on Canadian mass communications and media in an increasingly globalized context. Topics of study include the construction of social reality through communications and media, theoretical perspectives on production and reception, critical analyses of communication industry policy and ownership, news media and journalism, globalization and mass media culture, media representations of war and conflict, and political activism in new media.

PREREQUISITES: SOC-1101(6), (Declared Majors in Rhetoric, Writing, and Communications or the UW/RRC Joint Communications Degree/Diploma may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

RESTRICTIONS: Students who have obtained credit in the former SOC-3209(6) may not receive credit for this course.

SOC-3215(3) POPULAR CULTURE (Le1.5, S1.5)

This course examines the construction of social reality through the dynamics of popular culture. Course material focuses on North American popular culture in an increasingly globalized context. Topics include the history and politics of high and low culture, cultures of consumerism, advertising, public space, identity and popular culture, subcultures and countercultures, culture jamming, postmodern strategies of representation, and political activism in popular culture.

PREREQUISITES: SOC-1101 (6), ENGL-2145 (6), or WGS-2260 (6) (Declared Majors in Rhetoric, Writing, and Communications or the UW/RRC Joint Communications Degree/Diploma may have this prerequisite waived by

obtaining permission of the Sociology Department Chair).
RESTRICTIONS: Students who have obtained credit in the former SOC-3209(6) may not receive credit for this course.

HONOURS COURSES

SOC-4100(6) QUEER STUDIES IN THE GLOBAL POSTMODERN (S3) This course introduces queer theories in the context of global postmodern culture. It builds on the premise that sex, gender, and sexuality intersect with other relations such as class, disability, race, ethnicity, citizenship, language, and religion. Course materials trace foundational texts in queer theory from feminist, poststructuralist, and gay and lesbian studies, as well as developments that have emerged in light of bisexual, transgender, indigenous, postcolonial, and diasporic critiques. This course also insists upon the relevance of queer studies for considering conflicts of national and trans-national consequence including neocolonialism, globalization, citizenship, immigration, war, terrorism, and human rights.

PREREQUISITE: One of WGS-3301 (3), WGS-3302 (3), the former WGS-3300 (6), SOC-3101 (6), SOC-3128 (3), or written permission of Department Chair and Instructor.

CROSS-LISTED: Women's and Gender Studies WGS-4100(6).

SOC-4101(6) SEMINAR IN SOCIAL STRATIFICATION (S3)

This course examines the nature and significance of social stratification from an historical perspective as well as the structure and development of modern capitalism and socialism. Class relationships in contemporary societies and the future of class are analyzed. Other topics include caste and status communities, power differentials, women and stratification, and such topics in social stratification as students choose to research.

PREREQUISITE: SOC-1101(6).

SOC-4116(3) SEMINAR IN QUANTITATIVE RESEARCH METHODS (S3)

This course is an advanced study of the techniques and methodology of quantitative sociological analysis. This will include in depth discussion of methodological questions plus theoretical and practical experience with research design, data collection, statistical data processing and interpretation. The emphasis will be placed on computer based data analysis techniques. A major research project is to be completed.

PREREQUISITES: SOC-2125(3) and SOC-2126(3) or the former SOC-2106(6).

SOC-4126(3) SEMINAR IN QUALITATIVE RESEARCH METHODS (S3)

This course is the advanced study of the major qualitative approaches to research, among them phenomenology, symbolic interaction, ethnomethodology, and ethnology. This will include in depth discussion of the methodological questions and debates of the day plus an opportunity for students to gain firsthand experience using a variety of data gathering techniques such as participant observation, interviewing surveys, life histories and case studies. Some computer based applications of qualitative analysis will be explored. A major research project is to be completed.

PREREQUISITES: SOC-2125(3) and SOC-2126(3) or the former SOC-2106(6).

SOC-4201(6) SELECTED TOPICS I (S3) The content of the Selected Topics Course varies from year to year.

SOC-4202(6) SELECTED TOPICS II (S3) The content of the Selected Topics Course varies from year to year.

SOC-4204(6) TUTORIAL (T) This course provides Honours students with an opportunity, under the direction of a

professor, for advanced study in a selected area. The course will normally be taken only by students who have achieved some competence in the area selected.

PREREQUISITES: Consent of Instructor and Departmental Honours Committee.

SOC-4205(3) TUTORIAL II (T) This course provides Honours students with an opportunity, under the direction of a professor, for advanced study in a selected area. The course will normally be taken only by students who have achieved some competence in the area selected.

PREREQUISITES: Consent of Instructor and Departmental Honours Committee.

SOC-4401(6) SEMINAR IN SOCIOLOGICAL THEORY (S3)

This course examines major classical and contemporary theories. Central theoretical debates and their contemporary relevance are evaluated. Possible topics for discussion also include theory construction and verification processes.

PREREQUISITE: SOC-2114(6).

SOC-4405(6) HONOURS RESEARCH PAPER (P)

At the end of their fourth year, Honours students are required to present an Honours paper. This course provides fourth year students with an opportunity to prepare that paper. Each student will select an area of special interest and will work under the guidance of a supervisor throughout the year. Required of all Honours students.

SOC-4406(6) SEMINAR IN SOCIOLOGY OF LAW AND CRIMINOLOGY (S3) This course is an advanced study of the sociology of crime, moral regulation and deviance. The course also examines law and social control institutions and practices. Student-initiated research is involved.

PREREQUISITES: SOC-1101(6) and SOC-2107(3) OR SOC-2119(6).

SOC-4408(6) SEMINAR IN SOCIALIZATION AND DEVELOPMENT (S3)

This course is an advanced study of the processes of socialization and personality development through the life cycle. Various theoretical orientations are discussed emphasizing methodological questions, theoretical contributions and empirical research.

PREREQUISITE: SOC-1101(6).

SOC-4409(6) SEMINAR IN THE SOCIOLOGY OF SCIENCE, MEDICINE, AND TECHNOLOGY (S3)

This course examines major theoretical developments and trends in the interrelated areas of science, medicine and technology. Topics include the political economy of medicine, social history of medicine, bioethics and biopolitics, the pharmaceutical industry, medical imaging and graphics technologies, genetic engineering, the social studies of science and technology, and the sociology of scientific knowledge.

PREREQUISITE: SOC-1101(6).

SOC-4410(6) SEMINAR ON THE LIFE CYCLE: MIDDLE AND LATER YEARS (S3)

Through reading and discussion of classical and modern writers, students will review the major sociological ideas that have shaped our understanding of the life cycle today. The examination of these influential writings will prepare students to explore contemporary sociological issues such as individual responsibility to society, work and retirement, inter-generational relations, life-long learning, and death and dying.

PREREQUISITE: SOC-1101(6).

SOC-4412(6) SEMINAR IN SOCIOLOGY OF FAMILIES (S3)

This course is an advanced study of the sociology of families and relationships with a major focus on theoretical approaches to the study of families; an examination of internal processes of families; a delineation of patterns of

stress at each stage of family development; and an analysis of linkages with other institutions at each stage of family development. Attention is placed on the North American family with some reference to cross-cultural material.
PREREQUISITES: SOC-1101(6), WGS-1232 (6), or permission of the Department Chair.

SOC-4413(6) SEMINAR IN RACE AND ETHNIC

RELATIONS (S3) This course emphasizes the theoretical and substantive issues in the study of race and ethnic relations. The structure, development, ideologies, and linkages of race and ethnic relations with social institutions are examined in a comparative cross-national perspective. Specific issues based on student concerns will be explored in depth.

PREREQUISITE: SOC-1101(6).

SOC-4414(6) SEMINAR ON WOMEN IN SOCIETY (S3)

This course examines the status and role of women cross-culturally and historically. Emphasis is placed on theoretical perspectives attempting to account for the social position of women. Particular attention will be paid to work and inequalities.

PREREQUISITES: SOC-1101(6), WGS 1232(6), or permission of the Department Chair.

SOC-4415(6) SEMINAR ON SOCIOLOGY OF CULTURE

(S3) This course examines the major sociological perspectives on the emergence and nature of contemporary urban culture. The course will examine issues such as the culture-ideology debate, high culture versus low culture, commercial mass culture, secular rituals and the increasing impact of mass media.

PREREQUISITE: SOC-1101(6).

SOC-4800(6) FIELD RESEARCH PLACEMENT (AV) This course provides students with two sociological field research placement options. They can either be matched with an opportunity to work in a supervised research setting in a community or they can take an existing research proposal and work with a matched community organization to bring the proposal to completion. The course has both classroom and field research components.

PREREQUISITES: SOC-2125(3) and SOC-2126(3).

ADDITIONAL REQUIREMENTS: Permission of Instructor.

EXPERIMENTAL COURSES

SOC-3223(3) GREEN CRIMINOLOGY (Le3) Green criminology originates from the environmental and animal rights movements. Recently these movements have forged a common agenda as green issues have increasingly led to greater awareness about environmental harms. The content of this course reflects both this convergence of concerns about environmental harms with core concerns of criminology. It explores the myriad ways in which governments, corporations, and ordinary people going about their everyday activities routinely harm the environment and animals. Topics covered include the social construction of environmental problems and harms, animal rights, environmental laws, socio-legal concepts of environmental risk, and environmental regulations.

PREREQUISITE: SOC-1101(6).

SOC-3233(3) GREEN JUSTICE (Le3) This course examines inequalities across race, gender, class, and locality in relation to environmental problems such as toxic waste disposal, air pollution, climate change, deforestation, and environmental disasters. It also examines the response to these inequalities in the form of local and global movements, protests, and politics. Topics include: an investigation of how environmental problems are produced; green injustices such as differential exposure to environmental risks; the effects of green inequalities; and, an exploration of the responses to green injustices.

PREREQUISITE: SOC-1101(6).

STATISTICS (STAT)

Updated June 6, 2013

Note: The department/program code STAT replaces the former code 53. Students cannot hold credit in STAT-xxxx and the former 53.xxxx having the same course number (e.g., STAT-1201(6) and 53.1201(6)).

Co-Chairs: O.R. Oellermann, T. Visentin; **Professor:** H. A. Howlader; **Associate Professors:** J. Babb; M. Ghahramani; **Assistant Professor:** S. Hossain; **Instructors:** B. Bector, S. Khan

DEGREES/PROGRAMS OFFERED

3-Year BA

3-Year BSc

3-Year BSc (Business Stream)

4-Year BA

4-Year BSc

4-Year BSc (Business Stream)

Minor

INTRODUCTION

Statistics is the science of data collection, summarization, analysis, and interpretation. A central issue of statistics is how to make inferences about populations of interest, using data obtained from samples or designed experiments. Statistical techniques are applied extensively in virtually every branch of the physical, social, biological, and human sciences. Statistical methodologies and principles of inference are based heavily upon statistical theory, which, in turn has an essential underlying mathematical foundation. Computer software is typically used for statistical analysis of large data sets.

The Statistics Department offers 3-Year and 4-Year BA or BSc degree programs. Students pursuing a 3-year or 4-year BSc in Statistics also have the opportunity to take a Business Stream (see the "Science with a Business Stream" section of this Course Calendar).

As a student of Statistics, one may study theoretical statistics and probability theory, which focuses on the logical development of statistical methods. One may also take courses which focus on the application of statistical methodology to data sets from a variety of disciplines. The Statistics Department also offers courses in simulation, operations research, and stochastic modeling.

Students who are not Statistics majors will find that a background in statistics is valuable in many areas. Students considering graduate study in various fields may benefit from many of our applied courses. For some programs, certain Statistics courses are required. An understanding of statistical concepts is important for numerical literacy.

Statisticians often work collaboratively with specialists in other fields to develop methodologies and analyze data for research studies. They may assist economists in the analysis of consumer prices, or with the design and analysis of large-scale socioeconomic surveys. Statisticians may help biologists, chemists and engineers in the design and analysis of experiments, or work with medical researchers to test the effectiveness of new drugs. They may also work with researchers in fields such as agriculture, anthropology, climatology, education, epidemiology, and geography. Other opportunities can be found in finance, marketing, and quality management. Many statisticians find employment with private corporations and government agencies, including Statistics Canada.

REQUIREMENTS FOR A 3-YEAR BA/BSc IN STATISTICS

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Writing: 3 credit hours of Academic Writing
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major
Double Major

Minimum 30 credit hours/Maximum 48 credit hours.
Minimum 30 credit hours in Statistics and specified number of credit hours in the other department/program.

Required courses:
Core Courses

STAT-1301(3)	Statistical Analysis I <u>AND</u>
STAT-1302(3)	Statistical Analysis II <u>OR</u> the former STAT-1201(6) Introduction to Statistical Analysis <u>OR</u>
STAT-1501(3)	Elementary Biological Statistics I <u>AND</u>
STAT-2001(3)	Elementary Biological Statistics II or the former STAT-1601(3) Elementary Biological Statistics II
STAT-2301(3)	Survey Sampling I
STAT-2903(3)	Introduction to Statistical Computing
STAT-3103(3)	Statistics in Research I
STAT-3104(3)	Statistics in Research II
STAT/MATH-3611(3)	Mathematical Statistics I
STAT/MATH-3612(3)	Mathematical Statistics II

6 credit hours from:

STAT-2102(3)	Business and Management Statistics
STAT-2103(3)	Intermediate Biological Statistics
STAT-2104(3)	Nonparametric Statistics
STAT-2501(3)	Statistical Quality Control
STAT-3102(3)	Applied Multivariate Methods
STAT-3105(3)	Time Series and Forecasting
STAT-3401(3)	Stochastic Processes
STAT/MATH-3412(3)	Introduction to Operations Research
STAT-3501(3)	Simulation

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

Prescribed courses: To be determined in consultation with the Department.

Students who have not obtained a grade of at least C in both **STAT-1301(3)** Statistical Analysis I AND **STAT-1302(3)** Statistical Analysis II or the former **STAT-1201(6)** Introduction to Statistical Analysis (OR **STAT-1501(3)** Elementary Biological Statistics I AND **STAT-2001(3)** Elementary Biological Statistics II (or the former **STAT-1601(3)** Elementary Biological Statistics II) are advised not to proceed in a Statistics major.

MATH-2105(3) Intermediate Calculus I and **MATH-2106(3)** Intermediate Calculus II or the former **MATH-2101(6)** Intermediate Calculus is a prerequisite for **STAT/MATH-3611(3)** (formerly STAT-3201(3)) Mathematical Statistics I.

MATH-1201(3) Linear Algebra I AND **MATH-2203(3)** Linear Algebra II or the former **MATH-2201(6)** Linear Algebra is a prerequisite for **STAT-3102(3)** Applied Multivariate Methods.

MATH-1201(3) Linear Algebra I AND **MATH-2203(3)** Linear Algebra II or the former **MATH-2201(6)** Linear Algebra is a prerequisite for **STAT/MATH-3412(3)** Introduction to Operations Research.

Students are advised to take **MATH-1103 (3)** Introduction to Calculus I AND **MATH-1104 (3)** Introduction to Calculus II or **MATH-1101(6)** Introduction to Calculus in their first year, and **MATH-2105(3)** Intermediate Calculus I and **MATH-2106(3)** Intermediate Calculus II or the former **MATH-2101(6)** Intermediate Calculus, **MATH-1201(3)** Linear Algebra I AND **MATH-2203(3)** Linear Algebra II or the former **MATH-2201(6)** Linear Algebra in their second year.

Students planning to go on to graduate studies are advised to consult with the Department before choosing second year courses. Students planning to seek employment upon graduation with a Statistics major are strongly advised to take **STAT-2103(3)** Intermediate Biological Statistics as part of the major, and to consider taking as many as possible of the following courses in Applied Computer Science or Mathematics: **MATH-3701(3)**, **ACS-1903(3)**, **ACS-1904(3)**.

REQUIREMENTS FOR THE 3-YEAR BSc STATISTICS WITH A BUSINESS STREAM

Students must complete the requirements of the 3-year BSc in Statistics degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR A 4-YEAR BA/BSc IN STATISTICS

ADMISSION REQUIREMENT 30 credit hours previously completed in BA/BSc

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: 60 credit hours
Major: 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Social Sciences (BA only): 12 credit hours
Writing: Minimum three (3) credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: Minimum 48 credit hours in each Major as specified by the department/program.
Cognates: (BA only) Minimum 18 credit hours/Maximum 36 credit hours.
Consult the Department for acceptable cognate courses.

Required Courses:

Core Courses

STAT-1301(3) Statistical Analysis I AND
STAT-1302(3) Statistical Analysis II OR the former STAT-1201(6) Introduction to Statistical Analysis OR
STAT-1501(3) Elementary Biological Statistics I AND
STAT-2001(3) Elementary Biological Statistics II or the former STAT-1601(3) Elementary Biological Statistics II
STAT-2301(3) Survey Sampling I
STAT-2903(3) Introduction to Statistical Computing
STAT-3103(3) Statistics in Research I
STAT-3104(3) Statistics in Research II
STAT/MATH-3611(3) Mathematical Statistics I
STAT/MATH-3612(3) Mathematical Statistics II
STAT-4202(3) Statistical Inference

18 credit hours from:

STAT-2102(3) Business and Management Statistics
STAT-2103(3) Intermediate Biological Statistics
STAT-2104(3) Nonparametric Statistics
STAT-2501(3) Statistical Quality Control
STAT-3102(3) Applied Multivariate Methods
STAT-3105(3) Time Series and Forecasting

STAT-3401(3) Stochastic Processes
STAT/MATH-3412(3) Introduction to Operations Research

3 credit hours from:

STAT-4401(3) Probability Theory
STAT-4601(3) Statistical Design of Experiments

MINOR REQUIREMENT: 18 credit hours, at least 12 credit hours of which are above the first-year level, and at least 12 credit hours of which are taken at The University of Winnipeg

Residence Requirement: Minimum 12 credit hours in the Minor subject

Required courses: STAT-1301(3) and STAT-1302(3) (or the former STAT-1201(6))
OR both STAT-1501(3) and STAT-2001(3) (formerly STAT-1601(3))
STAT-2301(3) Survey Sampling

Any other nine credit hours at the 2000 level or higher (not including STAT-2001(3))

Restrictions: Students cannot declare the same subject as a Major and a Minor.

Students who have not obtained a grade of at least C in both **STAT-1301(3)** Statistical Analysis I AND **STAT-1302(3)** Statistical Analysis II or the former **STAT-1201(6)** Introduction to Statistical Analysis (OR **STAT-1501(3)** Elementary Biological Statistics I AND **STAT-2001(3)** Elementary Biological Statistics II (or the former **STAT-1601(3)** Elementary Biological Statistics II) are advised not to proceed in a Statistics major.

MATH-2105(3) Intermediate Calculus I and **MATH-2106(3)** Intermediate Calculus II or the former **MATH-2101(6)** Intermediate Calculus is a prerequisite for **STAT/MATH-3611(3)** (formerly STAT-3201(3)) Mathematical Statistics I.

MATH-1201(3) Linear Algebra I AND **MATH-2203(3)** Linear Algebra II or the former **MATH-2201(6)** Linear Algebra is a prerequisite for **STAT-3102(3)** Applied Multivariate Methods.

MATH-1201(3) Linear Algebra I AND **MATH-2203(3)** Linear Algebra II or the former **MATH-2201(6)** Linear Algebra is a prerequisite for **STAT/MATH-3412(3)** Introduction to Operations Research.

Students are advised to take **MATH-1103 (3)** Introduction to Calculus I AND **MATH-1104 (3)** Introduction to Calculus II or **MATH-1101(6)** Introduction to Calculus in their first year, and **MATH-2105(3)** Intermediate Calculus I and **MATH-2106(3)** Intermediate Calculus II or the former **MATH-2101(6)** Intermediate Calculus, **MATH-1201(3)** Linear Algebra I AND **MATH-2203(3)** Linear Algebra II or the former **MATH-2201(6)** Linear Algebra in their second year.

Students planning to go on to graduate studies are advised to consult with the Department before choosing second year courses.

Students planning to seek employment on graduation with a Statistics major are strongly advised to take **STAT-2103(3)** Intermediate Biological Statistics as part of the major, and to consider taking as many as possible of the following courses in Applied Computer Science or Mathematics: **MATH-3701(3)**, **ACS-1903(3)**, **ACS-1904(3)**.

Combined Major: Minimum 60 credit hours from 2 different majors with not less than 24 credit hours from each major subject.

Prescribed courses: To be determined in consultation with the Department.

REQUIREMENTS FOR THE 4-YEAR BSc STATISTICS WITH A BUSINESS STREAM

Students must complete the requirements of the 4-year BSc in Statistics degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

REQUIREMENTS FOR A MINOR IN STATISTICS

Degree:	Students must complete a 4-year degree program in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	STAT-1301(3) and STAT-1302(3) (or the former STAT-1201(6)) OR both STAT-1501(3) and STAT-2001(3) (formerly STAT-1601(3)) STAT-2301(3) Survey Sampling Any other nine credit hours at the 2000 level or higher (not including STAT-2001(3))
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Prerequisites

Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

COURSE LISTINGS

STAT-1301(3)	Statistical Analysis I	STAT-3103(3)	Statistics in Research I
STAT-1302(3)	Statistical Analysis II	STAT-3104(3)	Statistics in Research II
STAT-1501(3)	Elementary Biological Statistics I	STAT-3105(3)	Time Series and Forecasting
STAT-2001(3)	Elementary Biological Statistics II	STAT-3401(3)	Stochastic Processes
STAT-2102(3)	Business and Management Statistics	STAT/MATH-3412(3)	Introduction to Operations Research
STAT-2103(3)	Intermediate Biological Statistics	STAT-3501(3)	Simulation
STAT-2104(3)	Nonparametric Statistics	STAT/MATH-3611(3)	Mathematical Statistics I
STAT-2301(3)	Survey Sampling I	STAT/MATH-3612(3)	Mathematical Statistics II
STAT-2501(3)	Statistical Quality Control	STAT-4202(3)	Statistical Inference
STAT-2903(3)	Introduction to Statistical Computing	STAT-4401(3)	Probability Theory
STAT-3102(3)	Applied Multivariate Methods	STAT-4601(3)	Statistical Design of Experiments

COURSE DESCRIPTIONS

Students are advised to ensure that currently listed courses do not duplicate material studied previously under different course numbers.

STAT-1301(3) STATISTICAL ANALYSIS I (Le3) This course introduces students in the natural, physical, social and human sciences to elementary statistical analysis and its applications. Topics include descriptive statistics, probability theory including counting techniques, discrete random variables and their expected values and variances, normal distribution and applications, sampling distributions and estimation of parameters.

PREREQUISITES: Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

RESTRICTIONS: Students may not receive credit for more than one of STAT-1301(3), STAT-1501(3) or the former STAT-1201(6)

STAT-1302(3) STATISTICAL ANALYSIS II (Le3) This course is an extension of STAT-1301(3). Topics includes review of sampling distributions and estimation of parameters; statistical testing and confidence intervals using z , t , F , and chi-square distributions; analysis of variance; goodness-of-fit tests and contingency tables; linear regression and correlation; and non-parametric procedures.

PREREQUISITES: STAT-1301(3) or STAT-1501(3)

RESTRICTIONS: Students may not receive credit for more than one of STAT-1302(3), STAT-2001(3), the former STAT-1201(6), or the former STAT-1601(3).

STAT-1501(3) ELEMENTARY BIOLOGICAL STATISTICS I (Le3) This is an elementary course providing students in biological and health sciences with an introduction to statistical analysis of data and the making of inferences about them. Topics include: descriptive statistics, probability and probability distributions, and tests of hypotheses and estimation. Applications are drawn from biology, chemistry and other sciences.

PREREQUISITES: Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

RESTRICTIONS: A student may not receive credit for more than one of STAT-1301(3), STAT-1501(3) or the former STAT-1201(6)

STAT-2001(3) ELEMENTARY BIOLOGICAL STATISTICS II (Le3) This course is an extension of STAT-1501(3) for further aspects of statistical analysis. Topics include a review of one sample statistical testing and confidence intervals;

two sample inferences; analysis of variance including contrasts and multiple comparisons; analysis of qualitative data based on chi-square distribution; regression and correlation analyses; and nonparametric procedures. Applications are drawn from biology, chemistry and other sciences.

PREREQUISITES: STAT-1501(3) or STAT-1301(3)

RESTRICTIONS: Students may not receive credit for more than one of STAT-1302(3), STAT-2001(3), the former STAT-1201(6), or the former STAT-1601(3).

STAT-2102(3) BUSINESS AND MANAGEMENT

STATISTICS (Le3) This course surveys quantitative management science techniques used in both the private sector and government. The contents include classical decision-making, utility for money, statistical and Bayesian decision-making, decision trees, index numbers and their properties, elementary quality control, and decomposition of time series and seasonal and cyclical analysis. Emphasis will be on having students communicate effectively through essays and term projects.

PREREQUISITE: STAT-1302(3) or the former STAT-1201(6) or both STAT-1501(3) and STAT-2001(3) or the former STAT-1601(3).

STAT-2103(3) INTERMEDIATE BIOLOGICAL STATISTICS

(Le3) This course provides students with the underlying concepts and techniques for applying biometrical procedures to problems arising in biological and medical research.

Topics include basic experimental designs and models for one-factor analysis of variance, multiple comparison procedures, data transformations, introductory multiple linear regression analysis, analysis of count data, Poisson index of dispersion, inference about the Poisson parameter, analysis of proportions, analysis of covariance with one factor and one covariate, and biological assay (analysis of quanta) response, probit and/or logit transformations, parallel line assays and slope-ratio assays. Logistic regression with one regressor variable may also be covered.

PREREQUISITES: STAT-1302(3) or the former STAT-1201(6) or both STAT-1501(3) and STAT-2001(3) or the former STAT-1601(3).

STAT-2104(3) NONPARAMETRIC STATISTICS (Le3) This course considers statistical methods for analysing data when the distribution of the population is unknown and/or the measurement is on a nominal, ordinal, or interval scale. The contents include inference based on the binomial distribution, the Mann-Whitney-Wilcoxon test, the Wilcoxon signed rank test, measures of association for ranked data, the Kruskal-Wallis and Friedman tests, and elements of contingency table analysis.

PREREQUISITE: STAT-1302(3) or the former STAT-1201(6) or both STAT-1501(3) and STAT-2001(3) or the former STAT-1601(3).

STAT-2301(3) SURVEY SAMPLING I (Le3) This course emphasizes practical aspects of conducting sample surveys. The four most common sample survey designs, simple random sampling, stratified random sampling, systematic sampling, and cluster sampling are examined. The course also deals with ratio and regression type estimators. Either MINITAB or SAS is used to analyze data. Note: This course is of interest not only to Statistics majors but also to students of Business, Economics, Sociology and other social sciences as well as Environmental Studies.

PREREQUISITES: STAT-1302(3) or the former STAT-1201(6) or both STAT-1501(3) and STAT-2001(3) or the former STAT-1601(3). or permission of instructor.

STAT-2501(3) STATISTICAL QUALITY CONTROL (Le3)

This course deals with modern statistical techniques used in various branches of industry to control and improve quality of production. Special attention is given to the techniques most

widely used in business and manufacturing industries. The contents include common control charts, sampling inspection by attributes and by variables, sampling plans for continuous production, OC and ASN functions, and curtailed inspections.

PREREQUISITES: STAT-1302(3) or the former STAT-1201(6) or both STAT-1501(3) and STAT-2001(3) or the former STAT-1601(3).

STAT-2903(3) INTRODUCTION TO STATISTICAL

COMPUTING (Le3, La3) Students with limited computer experience are introduced to the use of modern statistical computer packages for data management and data analysis. Specifically, students learn how to use the computer for testing of pseudorandom numbers, simulation of discrete and continuous random variables, bootstrapping, analysis of single and multiple samples, linear and nonlinear regression, and analysis of contingency tables. Particular attention is paid to the effects of departures from standard assumptions.

PREREQUISITES: STAT-1302(3) or the former STAT-1201(6) or both STAT-1501(3) and STAT-2001(3) or the former STAT-1601(3).or permission of instructor.

STAT-3102(3) APPLIED MULTIVARIATE METHODS (Le3)

This course is designed to provide an introduction to an important area in statistics which deals with the analysis of three or more intercorrelated random variables. It covers the following topics: Euclidian vector spaces, vector projections and orthogonalization methods, quadratic forms and symmetric positive (semi) definite matrices and their eigen structures (eigenroots/vectors), the bivariate and multivariate normal probability functions, principal components analysis, canonical correlation analysis, and multi-group classification.

PREREQUISITES: STAT-1302(3) or the former STAT-1201(6) or both STAT-1501(3) and STAT-2001(3) or the former STAT-1601(3)., MATH-2203(3) or the former MATH-2201(6) or MATH-2203(3) (formerly MATH-2221(3))

COREQUISITES: STAT/MATH-3612(3) (formerly STAT-3202(3)).

RESTRICTIONS: A student may not receive credit for this course and the former STAT-3101(6).

STAT-3103(3) STATISTICS IN RESEARCH I (Le3)

This course is intended to provide an introduction to the practice of statistical research via concepts selected from applied regression analysis. Topics include linear and multiple linear regression, and related simultaneous inference procedures. Diagnostic methods and remedial measures for assessing the adequacy of regression models are presented in detail. Various criteria for model selection and validation are discussed. Topics may also include an introduction to nonlinear and logistic regression.

PREREQUISITES: STAT-2903(3) and either the former MATH-2201(6) or both MATH-1201(3) and MATH-2203(3) (formerly MATH-2221(3))

RESTRICTIONS: A student may not receive credit for this course and the former STAT-3101(6).

STAT-3104(3) STATISTICS IN RESEARCH II (Le3)

This course provides further insight into the practice of statistical research. Emphasis is placed upon the development of various analysis of variance (ANOVA) models for single-factor and multi-factor studies. Topics include the design and analysis of completely randomized, randomized block, balanced complete block and Latin square designs. The analysis of covariance (ANCOVA) is also considered in detail as well as random and mixed effects models. Sample size selection, power analysis, ANOVA diagnostics and remedial measures are discussed. Time permitting, nested, partially nested and repeated measures designs are presented. STAT-3103 is a recommended prerequisite but is not mandatory. Students without STAT-3103 should consult the instructor for permission.

PREREQUISITES: STAT-2903(3), the former MATH-2201(6) or both MATH-1201(3) and MATH-2203(3) (formerly MATH-2221(3)) **RESTRICTIONS:** A student may not receive credit for this course and the former STAT-3101(6).

STAT-3105(3) TIME SERIES AND FORECASTING (Le3)

The course deals with the general problem of analysing data which is ordered over time, for the purpose of forecasting and statistical prediction. Such data do not represent an independent sample and thus can not be analyzed using other statistical methods. Topics include: trend analysis, smoothing by moving averages, seasonal indices; forecasting using exponential smoothing and Box-Jenkins models.

PREREQUISITES: STAT-2103(3).

RESTRICTIONS: A student may not receive credit for this course and the former STAT-2601(3).

STAT-3401(3) STOCHASTIC PROCESSES (Le3) This course is designed to introduce students to important aspects of stochastic modelling including Markov chains, Poisson processes, and renewal processes. Markov chains in both discrete and continuous time will be considered. This course emphasizes the application of theory to problems in manufacturing, telecommunications, and biological systems. **PREREQUISITES:** STAT-3611(3) (formerly STAT-3201(3) or the former STAT-2701(3)) and MATH-2203(3) or the former MATH-2201(6).

STAT-3412(3) INTRODUCTION TO OPERATIONS RESEARCH (Le3)

This course provides a practical introduction to the formulation and solution of some economics and industrial problems using Operations Research models. It emphasizes model-building and problem-solving using computer packages. Topics covered are chosen from linear programming, transportation, assignment and transshipment problems, network models, integer programming, nonlinear programming, decision making, inventory models, and queuing theory.

PREREQUISITES: MATH-1201(3) or the former MATH-2201(6) or ECON-3201(3) and permission of instructor.

CROSS-LISTED: Mathematics MATH-3412(3)

STAT-3501(3) SIMULATION (Le3, LaV) This course is designed to show students how a computer can be utilized to model phenomena with stochastic elements and how analysis can be carried out in the context of a simulation study. Topics will be drawn from the following: generating an arbitrary random variable; the discrete event simulation approach; variance reduction techniques; statistical validation techniques; bootstrapping and other resampling methods; statistical analysis of simulated data; and simulation languages.

PREREQUISITES: MATH-3611(3) or STAT-3611(3) (formerly STAT-3201(3) or the former STAT-2701(3)) and STAT-2903(3) or permission of the instructor.

STAT-3611(3) MATHEMATICAL STATISTICS I (Le3) The course is intended to give students a firm foundation in probability theory which is necessary for a complete understanding of any advanced statistics. Topics include counting, joint and conditional distributions, random variables, and special distributions.

PREREQUISITES: STAT-1301(3) and STAT-1302(3) or the former STAT-1201(6), or both STAT-1501(3) and STAT-1601(3) or STAT-2001(3), and MATH-2106(3) or the former MATH-2101(6).

Restrictions: A student may not receive credit for this course and the former STAT-2701(3) or the former STAT-3201(3).

CROSS-LISTED: Mathematics MATH-3611(3).

STAT-3612(3) MATHEMATICAL STATISTICS II (Le3) The course studies the continuous probability distributions and

their general properties, distributions of functions of random variables, sampling distributions, including t , F , χ and introduction to estimation and theory of hypothesis testing.

PREREQUISITES: MATH-3611(3) or STAT-3611(3) (or the former STAT-3201(3) or the former STAT-2701(3)).

RESTRICTIONS: A student may not receive credit for this course and the former STAT-3201(6) or STAT-3202(3).

CROSS-LISTED: Mathematics MATH-3612(3).

STAT-4102(3) SURVIVAL AND RELIABILITY ANALYSIS (Le3)

Survival analysis deals with statistical methods for analyzing failure time data in biological organisms. Students are introduced to the estimation of survival functions using nonparametric and parametric methods. When the failure occurs in mechanical systems, the study is called Reliability Analysis in Engineering. Classical and Bayesian methods is introduced in order to estimate the reliability functions of some well known reliability models.

PREREQUISITES: MATH-3611(3) or STAT-3611(3) (or the former STAT-3201(3) or the former STAT-2701(3)).

STAT-4202(3) STATISTICAL INFERENCE (Le3)

This course expands on Mathematical Statistics II (STAT/MATH-3612(3) (formerly STAT-3202(3))). Topics include the following: Theory of point and interval estimations; completeness and minimal sufficiency, Rao-Blackwell theorem; theory of tests of hypotheses; likelihood ratio tests; unbiased and invariant tests; sequential probability ratio tests; and Bayesian Inference.

PREREQUISITE: STAT/MATH-3612(3) (formerly STAT-3202(3)).

STAT-4401(3) PROBABILITY THEORY (Le3)

This course is a continuation of Mathematical Statistics I (STAT-3611(3) (formerly STAT-3201(3) or the former Applied Probability STAT-2701(3))) and is intended to give students a firm foundation in probability theory. Topics include random walks, characteristic functions and central limit theorem concepts of convergence, laws of large numbers, and martingales and stochastic differential equations.

PREREQUISITES: STAT-3611(3) (formerly STAT-3201(3) or the former STAT-2701(3)) or permission of instructor.

STAT-4601(3) STATISTICAL DESIGN OF EXPERIMENTS (Le3, LaV)

This course explores basic principles of statistical experimental design including randomization; replication; blocking; confounding; nested versus crossed factors; split-plot designs; fixed; random and mixed models; and the contrast between designed experiments and observational studies. It investigates factorial and fractional factorial designs with an emphasis on 2^k factorial designs and 2^{k-p} fractional factorial designs. Other potential topics include robust parameter design, 3^k - p fractional factorial designs, balanced incomplete block designs, mixture experiments, and response surface methodology.

PREREQUISITE: MATH-1201(3) and STAT-3104(3).

THEATRE AND FILM (THFM)

THEATRE AND FILM: DANCE PROGRAM STREAM (DANC)

Updated Feb 1, 2013

The Department offers two streams of study towards a major in Theatre and Film: the Theatre and Film Stream and the Dance Program Stream. Each stream has specific major course requirements, and courses in each stream are assessed as separate subjects. Unless otherwise specified, Dance Program Stream courses cannot be used to fulfil the requirements for the Theatre and Film Major Stream, and Theatre and Film courses cannot be used to fulfil the requirements for the Dance Program Major Stream.

THEATRE AND FILM (THFM)

Note: Courses delivered through the Department of Theatre and Film bear the code THFM. The department was formerly called the Department of Theatre and Drama and used the codes THEA and 83. Therefore, students cannot hold credit in THFM-xxxx and THEA-xxxx or 83.xxxx having the same course number [e.g., THFM-1001(6), THEA-1001(6) and 83.1001(6); these are the same course].

Chair: Associate Professor T. Babcock; Professors: P.K. Brask, S. Carter, D.J. Hewlett, A.B. Taylor; Associate Professors: C. Borody, C.M. Brauer, F.R. Skene, T. Stroud; Assistant Professors: J. Kozak, S. Vickers.

DEGREES/PROGRAMS OFFERED

3-Year BA
Honours BA
Minor

INTRODUCTION

Study in the Department of Theatre and Film encompasses the fields of both theatre and filmmaking. Theatrical study includes the full spectrum of the dramatic arts: playwriting; production; stage management; drama in education; design; and the skills and techniques required of the actor. Our filmmaking program covers all areas from writing and directing through to shooting and editing. The programs of study within the Department of Theatre and Film place an equal emphasis on practical and theoretical aspects of study. For our theatre students, practical training is balanced with the study of dramatic literature, history of theatre, and aesthetic and critical theory. In addition to all aspects of practical study, our filmmakers learn the theory and history of film.

The Department of Theatre and Film offers both a 3-Year BA degree (theatre and film) and a BA Honours degree (theatre only). The Honours degree is designed for students who seek advanced, pre-professional training.

Students who graduate with the Bachelor's degree in Theatre and Film may find employment opportunities in every aspect of the theatre and film worlds, from performance and technical production, directing, crewing, and editing, to general arts administration. A solid background in literature and theory may lead to further studies and teaching opportunities in a university or professional drama or film school. Some graduates establish careers in related work in public service, the professions, and the broadcasting media.

REQUIREMENTS FOR A 3-YEAR BA (THEATRE AND FILM STREAM)

ADMISSION REQUIREMENT

In order to avoid errors in course selection and load (which may result in the need to take additional courses for the degree), students are **STRONGLY ENCOURAGED** to consult with the Department's Academic Advisor in planning their course of study. Call (204) 786-9955 for further information, or to arrange an appointment.

GRADUATION REQUIREMENT

90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

NOTE: Dance Program Stream courses cannot be used to fulfil the Major subject requirements in the Theatre and Film Stream; they are considered to be a different subject with respect to the maximum number of courses permitted in the Major subject and to the University Distribution Requirement.

MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours.
Double Major: 30 credit hours in Theatre/Film and the specified number of credit hours in the other department/program.

Required Courses for all areas **except** Filmmaking:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General
THFM-2703(3) Play Analysis

AND a minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare
THFM-2402(3) Theatre History II: Molière to Irving
THFM-3401(3) Theatre History III: Ibsen to the Present
THFM-3402(3) Canadian Theatre and Drama

AND

One sequence of practical courses representing one Area of Theatrical Study as defined below.

Required courses for **FILMMAKING**:

THFM-1001(6) Introduction to Theatre: Performance (recommended) **OR** **THFM-1002(6)** Introduction to Theatre: General
THFM-1010(6) Introduction to Film

THFM-2310(6) Filmmaking I: Screen Narrative Technique
THFM-2410(6) History of Film

AND at least **ONE** of:

THFM-3310(6) Filmmaking II: Directing the Short Film
THFM-3312(6) Sound Editing
THFM-3313(6) Advanced Picture Editing

NOTE: These requirements do not apply to the Dance Program Stream.

Combined Major: Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.

Required Courses for all areas **except** Filmmaking:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General
THFM-2703(3) Play Analysis

AND a minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare
THFM-2402(3) Theatre History II: Molière to Irving
THFM-3401(3) Theatre History III: Ibsen to the Present
THFM-3402(3) Canadian Theatre and Drama

Required courses for **FILMMAKING**:

THFM-1010(6) Introduction to Film
THFM-2410(6) History of Film

EXAMPLES OF AREAS OF THEATRICAL AND FILM STUDY:

In addition to taking the courses listed below, students must fulfil the requirements for the 3-Year BA Degree described above.

ACTING:

Compulsory sequence:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2101(6) Acting Theory and Practice

THFM-3101(6) Acting III: General **OR** **THFM-3110(6)** Screen Acting **OR** **THFM-3920(6)** Musical Theatre

Required but not in any particular order or year:

THFM-2703(3) Play Analysis

AND a minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare

THFM-2402(3) Theatre History II: Molière to Irving

THFM-3401(3) Theatre History III: Ibsen to the Present

THFM-3402(3) Canadian Theatre and Drama

Recommended (in numerical order):

THFM-2502(6) Voice and Speech Skills for Presentation and Performance

THFM-2505(3) **Principles of Physical Training for the Actor**

THFM-2603(3) Make-up: Theory and Practice

THFM-3103(6) Movement for Actors

A first-year English course

6 credit hours in dramatic literature offered through another Humanities department such as Classics, English, French Studies, or German Studies

DESIGN:

Compulsory sequence:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2201(3) Principles of Design

THFM-3201(6) Styles in Design

Required but not in any particular order or year:

THFM-2703(3) Play Analysis

AND a minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare

THFM-2402(3) Theatre History II: Molière to Irving

THFM-3401(3) Theatre History III: Ibsen to the Present

THFM-3402(3) Canadian Theatre and Drama

Recommended (in numerical order):

THFM-2601(3) Costuming

THFM-2602(3) Lighting

THFM-3202(3) Drafting and Drawing

HIST-2800(6) History of European Art

A first-year English course

6 credit hours in dramatic literature offered through another Humanities department such as Classics, English, French Studies, or German Studies

DRAMA IN EDUCATION:

Compulsory sequence:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2101(6) Acting Theory and Practice (recommended) **OR** **THFM-2501(6)** Mime and Improvisation

THFM-3502(6) Drama in Education

Required but not in any particular order or year:

THFM-2703(3) Play Analysis

AND a minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare

THFM-2402(3) Theatre History II: Molière to Irving

THFM-3401(3) Theatre History III: Ibsen to the Present

THFM-3402(3) Canadian Theatre and Drama

Recommended:

A first-year English course

6 credit hours in dramatic literature offered through another Humanities department such as Classics, English, French Studies, or German Studies

FILMMAKING:

Compulsory sequence:

THFM-1010(6) Introduction to Film

THFM-2310(6) Filmmaking I: Screen Narrative Technique

AND at least **ONE** of:

THFM-3310(6) Filmmaking II: Directing the Short Film

THFM-3312(6) Sound Editing

THFM-3313(6) Advanced Picture Editing

Required but not in any particular order or year:

THFM-1001(6) Introduction to Theatre: Performance (recommended) **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2410(6) History of Film

Recommended (in numerical order):

THFM-2101(6) Acting Theory and Practice

THFM-2201(3) Principles of Design

THFM-2602(3) Lighting

THFM-2610(3) Script and Screen

THFM-2611(3) Introduction to Screenwriting

THFM-2801(6) Production I

THFM-3110(6) Screen Acting

PLAYWRITING:

Compulsory sequence:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2701(6) Playwriting I

THFM-3701(6) Playwriting II: General

Required but not in any particular order or year:

THFM-2703(3) Play Analysis

AND a minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare

THFM-2402(3) Theatre History II: Molière to Irving

THFM-3401(3) Theatre History III: Ibsen to the Present

THFM-3402(3) Canadian Theatre and Drama

Recommended (in numerical order):

A first-year English course

6 credit hours in dramatic literature offered through another Humanities department such as Classics, English, French Studies, or German Studies

STAGE MANAGEMENT AND PRODUCTION:

Compulsory Sequence:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2801(6) Theatrical Production I

AND

For **PRODUCTION** only:

THFM-3801(6) Theatrical Production II

THFM-3807(3) Production Operations and Management

For **STAGE MANAGEMENT** only:

THFM-3801(6) **OR** any **TWO** of the Theatre courses listed under "Recommended" below

THFM-3802(3) Stage Management

Required but not in any particular order or year:

THFM-2703(3) Play Analysis

AND a minimum of any **ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare

THFM-2402(3) Theatre History II: Molière to Irving

THFM-3401(3) Theatre History III: Ibsen to the Present

THFM-3402(3) Canadian Theatre and Drama

Recommended (in numerical order):

THFM-2201(3) Principles of Design

THFM-2601(3) Costuming

THFM-3202(3) Drafting and Drawing

THFM-3803(3) Properties for the Stage

THFM-3804(3) Scenic Painting

THFM-3807(3) Production Operations and Management

A first-year English course

REQUIREMENTS FOR A BA HONOURS (THEATRE AND FILM STREAM)

ADMISSION REQUIREMENT

Students may enter into the program after completing a minimum of 30 credit hours.

Entry, continuing, and graduation minimum GPA is 3.0 (B) in Honours subject courses and 2.5 (C+) in Non-Honours subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT

Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree:

Minimum 60 credit hours

Honours:

Minimum 30 credit hours, including at least 18 credit hours at the upper level (3000/4000), of which a minimum of 9 credit hours must be at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities

Science: 6 credit hours in Science

Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

NOTE: Dance Program Stream courses cannot be used to fulfil the Major subject requirements in the Theatre and Film Stream; they are considered to be a different subject with respect to the maximum number of courses permitted in the Major subject and to the University Distribution Requirement.

HONOURS REQUIREMENT (THEATRE AND FILM)

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.

Minimum 30 credit hours at the upper level (3000 or 4000) in Honours subject courses.

Minimum 21 credit hours at the 4000 level in Honours subject courses.

Double Honours: Minimum 36 credit hours in each Honours subject.

Minimum 24 credit hours at the upper level (3000 or 4000) in Honours subject courses.

Minimum 15 credit hours at the 4000 level in the Theatre and Film component of the double Honours. For the requirements of the other Honours subject consult the department involved.

Required Courses:

THFM-1001(6)

Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2703(3)

Play Analysis

A minimum of any **ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare
THFM-2402(3) Theatre History II: Molière to Irving
THFM-3401(3) Theatre History III: Ibsen to the Present
THFM-3402(3) Canadian Drama

and

THFM-4441(3) Theatre Aesthetics **OR** a minimum of 3 credit hours in any Honours-level course in dramaturgy.
One sequence of practical courses representing one Area of Theatrical Study.

It is strongly recommended that Honours students going on to graduate work take a dramatic literature course.

NOTE: These requirements do not apply to the Dance Program Honours Stream.

B.A. (Hons.) is not available in the Drama in Education or the Filmmaking areas of study.

EXAMPLES OF AREAS OF THEATRICAL STUDY:

In addition to taking the courses listed below, students must fulfil the requirements of the BA Honours Degree described above.

- ACTING:** Compulsory sequence:
THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General
THFM-2101(6) Acting Theory and Practice
THFM-4131(12) Acting III: Honours
- Required but not in any particular order or year:
THFM-2703(3) Play Analysis
A minimum of **any ONE** of:
THFM-2401(3) Theatre History I: Aeschylus to Shakespeare
THFM-2402(3) Theatre History II: Molière to Irving
THFM-3401(3) Theatre History III: Ibsen to the Present
THFM-3402(3) Canadian Drama
AND EITHER:
THFM-4441(3) Theatre Aesthetics **OR** a minimum of 3 credit hours in any Honours-level course in dramaturgy.
6 or 9 additional credit hours in Theatre at the 3000 level (depending on the choice of required course from the list above)
6 additional credit hours in Theatre at the 4000 level
- Recommended (in numerical order)
THFM-2505(3) Principles of Physical Training for the Actor
THFM-2603(3) Make-Up Theory and Practice
THFM-2801(6) Theatrical Production I
THFM-3110(6) Screen Acting
THFM-4141(12) Acting IV: Honours – Style and Genre **OR** **THFM-4145(6)** Acting IV: Honours – Contemporary Performance
A first-year English course
6 credit hours in dramatic literature offered through another Humanities department such as Classics, English, French Studies, or German Studies.
- DESIGN:** Compulsory:
THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General
THFM-2201(3) Principles of Design
THFM-2602(3) Lighting
THFM-3201(6) Styles in Design
THFM-3202(3) Drafting and Drawing
THFM-4203(6) Contemporary Stage Design **OR** **THFM-4041(6)** Special Studies in Theatre
- Required but not in any particular order or year:
THFM-2703(3) Play Analysis
A minimum of **any ONE** of:
THFM-2401(3) Theatre History I: Aeschylus to Shakespeare
THFM-2402(3) Theatre History II: Molière to Irving
THFM-3401(3) Theatre History III: Ibsen to the Present
THFM-3402(3) Canadian Drama
AND EITHER:
THFM-4441(3) Theatre Aesthetics **OR** a minimum of 3 credit hours in any Honours-level course in dramaturgy.
12 additional credit hours in Theatre at the 4000 level
- Recommended (in numerical order):
THFM-2601(3) Costuming
THFM-2603(3) Make-Up: Theory and Practice
THFM-2801(6) Production I
THFM-3603(3) Make-up II: Prosthetics
THFM-3804(3) Scenic Painting
HIST-2800(6) History of European Art
A first-year English course
6 credit hours in dramatic literature offered through another Humanities department such as Classics, English, French Studies, or German Studies

DIRECTING: Compulsory:

THFM-1001(6) Introduction to Theatre: Performance OR **THFM-1002(6)** Introduction to Theatre: General

THFM-2101(6) Acting Theory and Practice

THFM-2201(3) Principles of Design

THFM-4331(6) Directing I

6 additional credit hours at the 4000-level in directing, dramaturgy, or special studies

Required but not in any particular order or year:

THFM-2703(3) Play Analysis

A minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare

THFM-2402(3) Theatre History II: Molière to Irving

THFM-3401(3) Theatre History III: Ibsen to the Present

THFM-3402(3) Canadian Drama

AND EITHER:

THFM-4441(3) Theatre Aesthetics OR a minimum of 3 credit hours in any Honours-level course in dramaturgy.

6 or 9 additional credit hours in Theatre at the 3000 level (depending on the choice of required course from the list above)

6 additional credit hours in Theatre at the 4000 level

Recommended (in numerical order):

THFM-2402(3) Theatre History II: Molière to Irving

THFM-2602(3) Lighting

THFM-2801(6) Production I

THFM-3401(3) Theatre History III

THFM-4131(12) Acting III: Honours

THFM-4832(6) Stage Management

A first-year English course

6 credit hours in dramatic literature offered through another Humanities department such as Classics, English, French Studies, or German Studies

PLAYWRITING:

Compulsory:

THFM-1001(6) Introduction to Theatre: Performance OR **THFM-1002(6)** Introduction to Theatre: General

THFM-2701(6) Playwriting I

THFM-4041(6) Special Studies in Theatre in Playwriting

Required but not in any particular order or year:

THFM-2703(3) Play Analysis

A minimum of **any ONE** of:

THFM-2401(3) Theatre History I: Aeschylus to Shakespeare

THFM-2402(3) Theatre History II: Molière to Irving

THFM-3401(3) Theatre History III: Ibsen to the Present

THFM-3402(3) Canadian Drama

AND EITHER:

THFM-4441(3) Theatre Aesthetics OR a minimum of 3 credit hours in any Honours-level course in dramaturgy.

6 or 9 credit hours of special studies work at the 3000 level (depending on the choice of required course from the list above)

12 additional credit hours in Theatre at the 4000 level

Recommended (in numerical order):

THFM-2402(3) Theatre History II: Molière to Irving

THFM-2610(3) Script and Screen

THFM-2611(3) Introduction to Screenwriting

THFM-3401(3) Theatre History III: Ibsen to the Present

A first-year English course

Any single or combination of dramatic literature and/or creative writing courses offered through another Humanities department such as Classics, English, French Studies, or German Studies

STAGE MANAGEMENT AND PRODUCTION:

Compulsory Sequence:

THFM-1001(6) Introduction to Theatre: Performance OR **THFM-1002(6)** Introduction to Theatre: General

THFM-2801(6) Theatrical Production I

AND

For **PRODUCTION** only:

THFM-3202(3) Drafting and Drawing

THFM-3801(6) Production II

THFM-3807(3) Production Operations and Management

THFM-4809(6) Advanced Stagecraft Practicum I

12 credit hours of theatre practicum/special studies work at the 4000 level

For **STAGE MANAGEMENT** only:

THFM-3801(6) OR any two of the Theatre courses listed under “Recommended” below
THFM-4832(6) Problems in Stage Management
 12 credit hours of theatre practicum/special studies work at the 4000 level
 Required but not in any particular order or year:
THFM-2703(3) Play Analysis
 A minimum of **any ONE** of:
THFM-2401(3) Theatre History I: Aeschylus to Shakespeare
THFM-2402(3) Theatre History II: Molière to Irving
THFM-3401(3) Theatre History III: Ibsen to the Present
THFM-3402(3) Canadian Drama
 and **EITHER**:
THFM-4441(3) Theatre Aesthetics OR a minimum of 3 credit hours in any Honours-level course in dramaturgy.
 Recommended (in numerical order):
THFM-2201(3) Principles of Design
THFM-2601(3) Costuming
THFM-3202(3) Drafting and Drawing
THFM-3803(3) Properties for the Stage
THFM-3804(3) Scenic Painting
THFM-3807(3) Production Operations and Management
 A first-year English course

NOTE: There is no Honours Area of Study available at this time for Drama in Education or Filmmaking.

It is **STRONGLY RECOMMENDED** that students see the Department Advisor for assistance in choosing which recommended courses to take in any given Area of Study; call the Theatre/Film office at 204-786-9955. Not all recommended courses need be taken.

In certain circumstances it may be possible to construct an alternate pattern of study within an area, with the permission of the Chair.

REQUIREMENTS FOR A MINOR IN THEATRE AND FILM STREAM

Degree: Students must complete a 4-year degree program in order to be eligible to hold the Minor.
 Minor: 18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
 Residence Requirement: Minimum 12 credit hours in the Minor subject
 Required courses:

Minimum 6 credit hours at the 1000 level which must include any one of the following:

THFM-1001(6) Introduction to Theatre: Performance

THFM-1002(6) Introduction to Theatre: General

THFM-1010(6) Introduction to Film

Minimum 12 credit hours above the 1000 level of which a minimum of 3 credit hours must be at the 3000 level or higher.

Beyond the normal course pre-requisites, there is no requirement that the courses selected follow a particular stream or area of study within Theatre and Film to meet the minor requirement.

Restrictions: Students cannot declare the same subject as a Major and a Minor

GENERAL INFORMATION

4000-Level Courses: Minimum 3.0 GPA (B) required in major subject. Students lacking the requisite 3.0 GPA or non-Honours students should consult the department concerned regarding eligibility to take 4000-level courses. Departmental permission is required for each 4000-level course.

In order to fulfill non-major requirements, students intending to complete a Major/Honours degree in Theatre and Film are encouraged to look at the *Calendar* entries for departments such as: Classics, English, History, Kinesiology and Applied Health, Modern Languages and Literature, Philosophy, and Religion and Culture for courses which complement studies in Theatre and Film. Please consult the department's website at <http://theatre.uwinnipeg.ca/student.htm> for a list of cognate (related) film courses offered through other departments.

ENGLISH DEPARTMENT *THEATRE AND FILM GROUP*

A maximum of 6 credit hours of the following courses taught by the Department of Theatre and Film may be counted towards a major in **English**.

THFM-2401(3) Theatre History I

THFM-2402(3) Theatre History II

THFM-2404(3) Aboriginal Identities in Theatre and Film

THFM-2410(6) History of Film

THFM-2610(3) Script and Screen

THFM-2611(3) Introduction to Screenwriting

THFM-2612(3) Script and the Small Screen: The Television Drama Series

THFM-2701(6) Playwriting I

THFM-3401(3) Theatre History III

THFM-3402(3) Canadian Drama and Theatre
THFM-3701(6) Playwriting II: General

COURSE LISTINGS

COURSES IN THE GENERAL PROGRAM

- THFM-1001(6) Introduction to Theatre: Performance
THFM-1002(6) Introduction to Theatre: General
THFM-1010(6) Introduction to Film
THFM-2001(3) Theatre/Film Practicum I
THFM-2002(3) Theatre/Film Practicum II
THFM-2101(6) Acting Theory and Practice
THFM-2201(3) Principles of Design
THFM-2310(6) Filmmaking I: Screen Narrative Technique
THFM-2311(6) Film Comedy
THFM-2401(3) Theatre History I: Aeschylus to Shakespeare
THFM-2402(3) Theatre History II: Molière to Irving
THFM-2404(3) Aboriginal Identities in Theatre and Film
THFM/CLAS-2405(3) Staging Greek and Roman Drama
THFM-2406(6) The History of Fashion and Dress
THFM-2410(6) History of Film
THFM-2501(6) Mime and Improvisation
THFM-2502(6) Voice and Speech Skills for Presentation and Performance
THFM-2505(6) Principles of Physical Training for the Actor
THFM-2510(3) Introduction to Producing for Film
THFM-2601(3) Costuming
THFM-2602(3) Lighting
THFM-2603(3) Make-Up: Theory and Practice
THFM-2604(2) Introduction to Stage Lighting for Dance
THFM-2605(2) Lighting for Dance Practicum
THFM-2606(2) Self Producing for Dance
THFM-2610(3) Script and Screen
THFM-2611(3) Introduction to Screenwriting
THFM-2612(3) Script and the Small Screen: The Television Drama Series
THFM-2701(6) Playwriting I
THFM/ENGL-2703(3) Play Analysis
THFM-2801(6) Theatrical Production I
THFM-2803(3) An Introduction to Lighting and Sound in Production
THFM-2804(3) Introduction to Arts and Cultural Management
THFM-2805(3) Policy and Leadership in the Canadian Cultural Sector
THFM-2920(3) Introductory Dance for Musical Theatre
THFM-2922(3) Introduction to Music and Singing
THFM-3001(6) Special Studies in Theatre/Film
THFM-3002(3) Special Studies in Theatre/Film
THFM-3101(6) Acting III: General
THFM-3103(6) Movement for Actors
THFM-3105(6) Advanced Movement I
THFM-3106(6) Advanced Movement II
THFM-3110(6) Screen Acting
THFM-3201(6) Styles in Design
THFM-3202(3) Drafting and Drawing
THFM-3310(6) Filmmaking II: Directing the Short Film
THFM-3312(6) Sound Editing for Film
THFM-3313(6) Advanced Picture Editing
THFM-3401(3) Theatre History III: Ibsen to the Present
THFM-3402(3) Canadian Drama and Theatre
THFM-3502(6) Drama in Education
THFM-3503(3) Stage Combat for Actors
THFM-3603(3) Make-Up II: Prosthetics
THFM-3611(6) Advanced Screenwriting
THFM-3701(6) Playwriting II: General
THFM-3801(6) Theatrical Production II
THFM-3802(3) Stage Management
THFM-3803(3) Properties for the Stage
THFM-3804(3) Scenic Painting
THFM-3807(3) Theatrical Production Operations and Management
THFM-3808(3) Stagecraft Practicum
THFM-3809(3) Stagecraft II
THFM-3920(6) Musical Theatre

HONOURS COURSES

- THFM-4041(6) Special Studies in Theatre/Film
THFM-4042(3) Special Studies in Theatre/Film
THFM-4131(12) Acting III: Honours
THFM-4133(6) Devised Theatre
THFM-4134(6) Interpreting Shakespeare
THFM-4135(3) Acting for the Media
THFM-4136(3) Advanced Media Acting
THFM-4141(12) Acting IV: Honours - Style and Genre
THFM-4145(6) Acting IV: Honours - Contemporary Performance
THFM-4203(6) Contemporary Stage Design
THFM-4331(6) Directing I
THFM-4441(3) Theatre Aesthetics
THFM-4442(3) Advanced Theory of Acting
THFM-4532(6) Swordplay: Stage and Screen
THFM-4809(6) Advanced Stagecraft Practicum I
THFM-4832(6) Problems in Stage Management

DRAMATIC LITERATURE COURSES

NOTE: These are **cognate** (related) courses; they may not be counted towards a Major in Theatre and Film.

- ENGL-2311(6) Shakespeare
ENGL-2401(6) Tragedy and Comedy in Drama
ENGL-3190(6) Literature and Film
ENGL-3401(6) Modern Drama
ENGL-4311(6) Topics in Shakespeare
ENGL-4442(6) Topics in Drama and Dramatic Theory

OTHER COGNATE COURSES

- HIST-2800(6) History of European Art
POL-2220(6) Politics and Film

EXPERIMENTAL COURSES FOR 2013/14

- THFM-3805(3) Leading and Managing in Arts and Cultural Organizations

COURSE DESCRIPTIONS

The Department of Theatre and Film has organized its courses into nine areas of specialization. These divisions are provided as guidelines to the Areas of Study available for concentration.

Areas of Theatrical Study are identified by the second digit in the course number as follows:

0 Introductory and Practicum	5 Mime and Educational Theatre
1 Acting	6 & 8 Production
2 Design	7 Playwriting
3 Directing	9 Dance
4 History/Aesthetics/Dramatic Theory	

Areas of Film Study are identified by the third and fourth digits in the course number: 10, 11, 12, etc., i.e., THFM-xx10, 11, 12. . .

Students are advised to consult the appropriate *Timetable* available online at www.uwinnipeg.ca, or from Student Services for information on courses to be offered during the current term.

Students are **STRONGLY ENCOURAGED** to contact the Office of the Department of Theatre and Film at (204) 786-9955 in order to arrange an appointment for academic advising prior to setting up their program of study, and to meet annually with the department's academic advisor.

THFM-1001(6) INTRODUCTION TO THEATRE:

PERFORMANCE (Le3, LaV) This course provides an introduction to the basic concepts of theatre through lectures, readings, and practical work. It examines the components of a theatrical performance and the rehearsal process, and explores the areas of improvisation, mime, and role preparation through workshops and class presentations. Students will be evaluated on both written and performance assignments. This course does not satisfy the Humanities Requirement if taken after the 1993-94 Fall and Winter terms.

RESTRICTIONS: Students may not receive credit for both this course and THFM-1002(6).

THFM-1002(6) INTRODUCTION TO THEATRE: GENERAL

(Le3) This course provides a general introduction to theatre study, including an overview of the components of a theatrical performance and the rehearsal process, a discussion of the problems of play interpretation in a production context, and an introduction to theatre criticism. During the course, six plays produced on Winnipeg stages in the current season will be discussed; students will be required to attend performances of these plays outside of class time. This course can be used towards the Humanities Requirement.

RESTRICTIONS: Students may not receive credit for both this course and THFM-1001(6).

THFM-1010(6) INTRODUCTION TO FILM (Le3, LaV)

This course introduces the student to aspects of the art of film through lectures, screenings, and some practical involvement in the filmmaking process. A critical approach to film in Manitoba and across Canada is developed through readings, screenings, and guest lectures. A selection of international films is discussed, focusing on their social and aesthetic impacts. A series of practical labs gives students some first-hand experience of film production. This course can be used towards the Humanities Requirement.

THFM-2001(3) THEATRE/FILM PRACTICUM I (AV) In this course, students participate in a teaching production in the area of specialization they select.

PREREQUISITE: Permission of the Department Chair.

THFM-2002(3) THEATRE/FILM PRACTICUM II (AV) In this course, students participate in a production either on a more advanced level in the area of specialization chosen in THFM-2001(3) or in another area of specialization.

PREREQUISITES: THFM-2001(3) and permission of the Department Chair.

THFM-2101(6) ACTING THEORY AND PRACTICE

(Le2, La3+V) This course is a theoretical and practical study of the principles of actor psychology, role analysis, and stage techniques. It is devoted to major theorists and teachers of the art of acting in relation to the principle styles and aesthetics that currently constitute our theatrical heritage. Lectures, discussions, and student presentations are accompanied by workshop exercises and scene studies. Students are required to meet with scene partners for rehearsals outside of scheduled class times.

PREREQUISITE: THFM-1001(6) **OR** THFM-1002(6).

RESTRICTION: Students may not receive credit for both this course and the former THFM-2101(3) and/or THFM-2102(3).

THFM-2201(3) PRINCIPLES OF DESIGN (Le2, La2)

This course is an introduction to the principles and practice of theatrical design in sets and costumes. Drawing skills are not required but students will learn ways to communicate visual information. This course can be used towards the Humanities Requirement.

THFM-2310(6) FILMMAKING I: SCREEN NARRATIVE TECHNIQUE (Le3, La3)

This is a practical introduction to storytelling on screen from the director's perspective. In film or video the sequence structure of various shots and angles forms the basic grammar of screen narrative. This course focuses on the analysis and creation of these visual sequences. Techniques such as storyboarding, camera placement, movement, coverage, transitions, and editing are explored using the medium of video in both a field and studio environment.

PREREQUISITE: THFM-1010(6). THFM-1001(6) is recommended.

RESTRICTION: Students may not receive credit for this course and the former THFM-3610(6).

THFM-2311(6) FILM COMEDY (Le3, LaV)

This course looks at film comedy from the earliest silent film comedies of Edison and Méliès to the contemporary comedies of Kevin Smith and Woody Allen. It focuses on cinematic techniques used to achieve a comic action or comic perspective. Students explore the cinematic tools of comedy filmmakers

in historical perspective. They also do some practical filmmaking work.

PREREQUISITE: THFM-1010(6).

THFM-2401(3) THEATRE HISTORY I: AESCHYLUS TO SHAKESPEARE (Le3) This course consists of a study of the historical development of theatrical art from the ancient Greeks to the closing of the London theatres in 1642. All aspects of theatrical performance, including plays, acting, costumes, scenery, theatre architecture, and the relationship between theatres and society is discussed. This course can be used towards the Humanities Requirement.

THFM-2402(3) THEATRE HISTORY II: MOLIÈRE TO IRVING (Le3) This course covers developments in European and North American theatre from the seventeenth century to the end of the nineteenth century. Several Asian theatre forms are also discussed. This course can be used towards the Humanities Requirement.

THFM-2404(3) ABORIGINAL IDENTITIES IN THEATRE AND DRAMA (S3) Australian Aboriginal playwright Jack Davis portrays through the character of Worrui the quest for identity among Aboriginal peoples: *You have turned our land into a desolate place. / We stumble along with a half-white mind. / Where are we? / What are we? / Not a recognized race* (from *The Dreamers*). This course looks at Aboriginal Theatre and Film as a means of finding and creating one's identity. It includes the study of a variety of plays and documents relevant to Native theatre, primarily from Canada. This course can be used towards the Humanities Requirement.

PREREQUISITE: THFM-1001(6) **OR** THFM-1002(6) **OR** permission of the Chair.

THFM-2405(3) STAGING GREEK AND ROMAN DRAMA (Le3) This course focuses on the staging of Greek and Roman tragedy and comedy. Examination of the surviving texts of selected plays, the remains of ancient theatres, contemporary accounts of dramatic performance, and relevant artwork leads to a recreation of an ancient theatrical experience with information on stage configuration, scenery, masks, costumes, properties, gestures, dance, song, mechanical devices, and stage convention. In addition to their written work, students are expected to participate in demonstrations and performances in class. This course can be used towards the Humanities Requirement.

CROSS-LISTED: Classics CLAS-2405(3).

THFM-2406(6) THE HISTORY OF FASHION AND DRESS (Le3) This course introduces the history of fashion. Students learn what dress is as well as how and why it is studied. The dress from ancient times to the 21st century is then discussed, with an emphasis on western Europe. The links between fashion, social history, and material culture are examined. The course is intended as background for students of theatrical design, but may be taken as an elective by anyone interested in the field. This course can be used towards the Humanities requirement.

RESTRICTION: Students may not receive credit for both this course and the former THFM-2406(3).

THFM-2410(6) HISTORY OF FILM (Le3) This course surveys the history of narrative film from its earliest beginnings to the present day. Students gain an understanding of the evolving techniques and technical advancements in the art form and the corresponding aesthetic achievements of film artists. The course focuses on the major film movements and filmmakers from Europe, North America, and Asia. This course can be used towards the Humanities Requirement.

THFM-2501(6) MIME AND IMPROVISATION (Le3, LaV)

This course consists of a study of the theory and practice of theatrical mime and theatrical improvisation. Attention is paid to both the developmental and performance aspects of mime and improvisational activity.

PREREQUISITE: THFM-1001(6) **OR** THFM-1002(6).

THFM-2502(6) VOICE AND SPEECH SKILLS FOR PRESENTATION AND PERFORMANCE (Le3, LaV)

This course is a study of the theory and practice of voice production, projection, speech improvement, and oral communication techniques as they apply to work in the theatre, in the classroom, and in a variety of other contexts in life where good communication skills are valued. Public speaking, developed speeches, interpretive reading, storytelling, and work with various texts are some of the experiences offered by this course. Caring for the voice and having a clear understanding of how the voice works are also covered.

THFM-2505(3) PRINCIPLES OF PHYSICAL TRAINING FOR THE ACTOR (LeLa3)

This course is designed to introduce actors to the core objectives and fundamental principles regarding the physical training of the actor. Through ongoing in-studio practice, lectures, and group presentations, students learn about the basic anatomy of the body, principles of efficiency in movement, training methodologies, injury prevention, and the long-term requirements of performance. Participants in this course gain a full overview of body mechanics and a solid foundation in movement principles that directly apply to further movement studies and acting in general. This course is graded on a pass/fail basis.

THFM-2510(3) INTRODUCTION TO PRODUCING FOR FILM (Le3)

This course is intended for students who are interested in understanding the business of Canadian film and television from the perspective of the producer. It takes students through several stages of an independent film production, including concept development, financing, production, post-production, and distribution. Specific attention is paid to building the creative team, script development, research and marketing, finance and funding, and legal and insurance issues, as well as business affairs and etiquette.

CROSS-LISTED: Professional and Continuing Education DPS 16075.

THFM-2601(3) COSTUMING (Le3, LaV) This course is a survey of costuming crafts and of the skills necessary to construct a theatrical garment. Skills and theoretical knowledge are developed in a laboratory situation with attention focused on the principles and elements of design interpretation.

ADDITIONAL REQUIREMENTS: Students entering this course must be able to operate a domestic sewing machine and make clothes from a pattern.

THFM-2602(3) LIGHTING (Le3, LaV) This course is a survey of the field of illumination, instrumentation, and control systems. Students study both lighting techniques and the principles of design interpretation. Skills and theory are developed and practised in a laboratory situation.

THFM-2603(3) MAKE-UP: THEORY AND PRACTICE (Le3)

This course teaches the theory and technique of make-up as used in theatre and film. Course content extends beyond standard two-dimensional techniques. This course is suitable for actors, designers, and artisans who are pursuing a career in the performing arts.

THFM-2604(2) INTRODUCTION TO STAGE LIGHTING FOR DANCE (LeLaV) This course is intended specifically for students enrolled in the Dance Program Stream with the objective of providing them with a basic introduction to stage lighting for dance. The format is an intensive two-week series of classes and workshops. Topics include basic electrical principles and safety procedures, major types of lighting instruments and their functions, and lighting control theory. Students have an opportunity to put theory into practice with a series of labs emphasizing lighting for dance. This course is offered on a pass/fail basis.

RESTRICTION: This course is restricted to students who have been accepted into the University of Winnipeg/School of Contemporary Dancers Dance Program Stream.

THFM-2605(2) LIGHTING FOR DANCE PRACTICUM (Le1, LaV) In this course, material taught in Introduction to Stage Lighting for Dance [THFM-2604(2)] is applied to exercises culminating in a public presentation. Students go through the entire process of creating and executing lighting designs for an actual performance of a new work. This involves conferences with the choreographer(s), a series of proposals, final design, and execution. Additional conferences are arranged as needed. This course is offered on a pass/fail basis.

PREREQUISITE: THFM-2604(2).

RESTRICTIONS: Students may not receive credit for both this course and THFM-2602(3). This course is restricted to students who have been accepted into the University of Winnipeg/School of Contemporary Dancers Dance Program Stream.

THFM-2606(2) SELF PRODUCING FOR DANCE (Le2, LaV) Through a series of lectures and demonstrations, this course introduces students in the Dance Program Stream to a range of knowledge and skills required to self-produce dance programs. Topics include grant application, co-op contracts, space assessment and rental, promotion, insurance and liability, etc. This course is offered on a pass/fail basis.

RESTRICTIONS: This course is restricted to students who have been accepted into the University of Winnipeg/School of Contemporary Dancers Dance Program Stream.

THFM-2610(3) SCRIPT AND SCREEN (Le3) This course focuses on the study of a number of significant American screenplays, such as *Casablanca*, *Chinatown*, and *Pulp Fiction*. They are discussed as examples of the craft of screenwriting and as illustrations of the screenwriter's contribution to the filmmaking process. Particular attention is given to how the screenwriter controls the flow of dramatic and visual information in order to structure particular film experiences. The relationship between script and film is examined through analysis of the films made from the screenplays studied. While the course is particularly aimed at those interested in screenwriting, it will be valuable for anyone who wants to understand the most popular storytelling medium of our time. This course can be used towards the Humanities requirement.

THFM-2611(3) INTRODUCTION TO SCREENWRITING (S3) This course introduces students to the basics of screenwriting. It includes a study of the language of film, narrative principles, formatting script analysis, and adaptation. The role of the screenwriter in the filmmaking industry is also examined. Creative Writing students (ENGL) may take this course with the permission of the Department of Theatre and Film's Chair. This course can be used towards the Humanities requirement.

PREREQUISITE: THFM-1010(6).

THEM-2612(3) SCRIPT AND THE SMALL SCREEN: THE TELEVISION DRAMA SERIES (Le3) Television drama

exerts an undeniable impact on our culture. This may be partly due to complexities that underlie its ostensible simplicity. This course focuses on the narrative strategies that teleplay writers in drama series have employed to maintain viewer interest despite frequent interruptions and breaks from episode to episode or season to season. The course examines recent drama series. While it is particularly aimed at those interested in screenwriting, it is valuable to anyone who wants to understand how series television narrative works. This course can be used towards the Humanities Requirement.

THFM-2701(6) PLAYWRITING I (S3) This course introduces students to creation strategies such as idea-outline-draft, imaginary improvisation, and RSVP cycles. In this course the play is seen as a kind of score for directors, designers, and especially for actors. Creation of the dramatic moment, the dramatic scene, characters revealed through action, and finally a one-act play in which a protagonist seeks to accomplish an objective, form the central concerns of the course. Students are expected to complete a one-act play to at least a second draft. This course can be used towards the Humanities Requirement.

PREREQUISITE: THFM-1001(6) **OR** THFM-1002(6), **OR** permission of the instructor.

THFM-2703(3) PLAY ANALYSIS (Le3) This is a practical course for actors, directors, and designers in the analysis of plays in rehearsal and pre-rehearsal situations. A variety of interpretive strategies are developed in approaching the problems of form, character, and theme in plays of different styles and periods. The emphasis is on Stanislavsky-derived techniques. This course is required for all theatre students in the Honours or the General program. This course can be used towards the Humanities Requirement.

PREREQUISITE: THFM-1001(6) or THFM-1002(6).

CROSS-LISTED: English ENGL-2703(3).

THFM-2801(6) THEATRICAL PRODUCTION I (LeLa6+V) This course is designed to give students a survey of the technical aspects of theatrical and media production, concentrating on facilities, scenery construction, lighting, and an introduction to sound. Emphasis is on basic concepts and hands-on application through practical lab work on departmental productions. It is recommended that students registering for this course take either THFM-1001 Introduction to Theatre: Performance **OR** THFM-1002 Introduction to Theatre: General as a pre-requisite **OR** a co-requisite.

RESTRICTION: Students may not receive credit for both this course and THFM-2803(3).

THFM-2803(3) AN INTRODUCTION TO LIGHTING AND SOUND IN PRODUCTION (LeLa6+V) This course is designed to give the student an introduction to the technical aspects of theatrical and media production, concentrating on lighting and an introduction to sound. Emphasis is placed on basic concepts in the safe use of facilities and equipment and practical application through hands-on lab work in a departmental production.

PREREQUISITE **OR** **COREQUISITE:** THFM-1001(6) **OR** THFM-1002(6).

RESTRICTION: Students may not receive credit for both this course and THFM-2801(6).

THFM-2804(3) INTRODUCTION TO ARTS AND CULTURAL MANAGEMENT (Le3) This course is intended for students who have an interest in pursuing a career in some aspect of the arts but who would like to acquire a greater understanding of the operational aspects of the business. The course begins with a general introduction to the formation of an arts-centred organization. Class discussions include topics such as: the role of a board of

directors; establishing a mandate and objectives; forming a business structure; staffing that structure; ongoing management control systems; and funding alternatives and methods, including applications for public funding.
RESTRICTIONS: Students may not receive credit for both this course and the former THFM-2802(3).
CROSS-LISTED: Professional and Continuing Education DPS 16069.

THFM-2805(3) POLICY AND LEADERSHIP IN THE CANADIAN CULTURAL SECTOR (Le3) This course covers the history and current state of governmental policy towards the arts in Canada and includes analysis of institutions such as the Canada Council for the Arts, the CBC, the National Film Board, and the CRTC. There is also discussion of provincial and municipal cultural policies. The goals of the course are to convey information essential to the successful management of cultural organizations and to enable participants to develop critical thinking around the role and value of policy, the nature and exercise of leadership, and the relationship between them. This course can be used towards the Humanities Requirement.

CROSS-LISTED: Professional and Continuing Education DPS 16075.

THFM-2920(3) INTRODUCTION TO DANCE FOR MUSICAL THEATRE (LeLa3) This course introduces the student to the basics of dance, with attention to a variety of styles used in contemporary musical theatre. The course is designed for students **without previous training in dance** who wish to take *THFM-3920(6) Musical Theatre*.
PREREQUISITE: THFM-1001(6) or THFM-1002(6) **OR** permission of the Department Chair.

RESTRICTION: This course may not be taken by students who have taken any courses in the Dance Program Stream (DANC).

THFM-2922(3) INTRODUCTION TO MUSIC AND SINGING (LeLa3) This course builds on the rudiments of music and the fundamental techniques of solo and choral singing and song interpretation for application to Musical Theatre. The course is designed for students with some basic musical knowledge (for example, high school or church choral or band experience) who are planning to take *THFM-3920 Musical Theatre*. It may be taken by general interest students with the permission of the Chair of the Department of Theatre and Film.
PREREQUISITE: THFM-1001(6) or THFM-1002(6) **OR** permission of the Department Chair.

THFM-3001(6) SPECIAL STUDIES IN THEATRE/FILM (T,V) Students taking this course arrange a program of reading, individual study, and lab work in consultation with an appropriate instructor.
PREREQUISITE: Permission of the Department Chair.

THFM-3002(3) SPECIAL STUDIES IN THEATRE/FILM (T, V) Students taking this course arrange a program of reading, individual study, and lab work in consultation with an appropriate instructor.
PREREQUISITE: Permission of the Department Chair.

THFM-3101(6) ACTING III: GENERAL (Le3, La3) This course applies the major theories on the art of acting to problems of style in a workshop setting. It also introduces approaches to understanding and meeting the demands of a script.
PREREQUISITES: THFM-2101(6), **OR** THFM-2101(3) and THFM-2102(3).

THFM-3103(6) MOVEMENT FOR ACTORS (Le3, LaV) This course introduces students to modern movement techniques, including the principles of Rudolph Laban. Its aim is to increase body awareness and promote mind/body connectedness.

PREREQUISITES: THFM-2101(6) **OR** THFM-2101(3) and THFM-2102(3) **OR** permission of the Department Chair.

THFM-3105(6) ADVANCED MOVEMENT I (Le2, La4) This course is designed to provide focused and consistent physical training, and to lay a movement foundation, for students who have chosen to pursue the Acting Area of Study in the Theatre Honours Program. Classes develop the individual's awareness, skill, and confidence in the use of movement as it pertains to the acting process. Topics include range and efficiency of movement, integration of voice and gesture, spatial awareness, rhythm, playing action, style, and working in the ensemble.

COREQUISITE: THFM-4131(12).

THFM-3106(6) ADVANCED MOVEMENT II (Le2, La4) To prepare students for work in the professional field or in post-graduate studies, this course provides those in the final stages of the Honours Acting Degree with more specific challenges. Classes continue to develop the individual's movement potential but place greater emphasis on movement as it pertains to the staging of theatre. Areas of study include expanding range of motion and expression, advanced work in ensemble, character studies, blocking, and external character traits and style.

COREQUISITE: THFM-4134(6) **OR** THFM-4141(6) **OR** THFM-4145(6).

THFM-3110(6) SCREEN ACTING (Le3, LaV) Film acting as an art may be approached as a refined version of stage acting but film, unlike the stage, is an intimate medium where the slightest change of mood, emotion, or psychological action is felt and magnified. Using video to record and examine students' work, the course covers the basic principles of the art of acting as they apply to the specific requirements of film: script analysis, role preparation, rehearsal, and blocking. In addition, students are introduced to the vocabulary, protocol, and culture of the film environment. Employment-related topics such as résumés, auditioning, and cold reading are also covered.
PREREQUISITE: THFM-2101(6) **OR** permission of the instructor.

THFM-3201(6) STYLES IN DESIGN (Le1.5, La3) This course takes students beyond the fundamentals of design and explores advanced theories of colour, perspective, and drawing. Special attention is given to the styles of design in contemporary theatre and the historical background which produced them. Lab work will develop skills in drafting, drawing, and the techniques of painting.
PREREQUISITE: THFM-2201(3).

THFM-3202(3) DRAFTING AND DRAWING (Le3) This is a course for students who wish to improve their skills in graphic presentation. It emphasizes drafting and drawing as important communications media for either designer or technician.

THFM-3310(6) FILMMAKING II: DIRECTING THE SHORT FILM (Le3, La3) This course focuses on the creation of more complex visual narratives than those discussed in Filmmaking I. Emphasis is placed on scene blocking and sequence building within an extended narrative, with special emphasis on directing actors for the camera. Working with film and video, the course looks at the importance of lighting, sound,

and music in visual storytelling, including interior and exterior lighting and exposure, and the dynamics of location shooting.

PREREQUISITES: THFM-2310(6) **AND** permission of the Chair.

THFM-3312(6) SOUND EDITING FOR FILM (Le3, La3) This is primarily a practical course on sound editing, with some emphasis on sound theory and the history of sound in film. Students learn the process and technique of sound editing for film, from building sound tracks to working with dynamics processors. Using Pro-Tools software, students learn how to input sounds, edit dialogue tracks, build effects tracks, process sounds using EQ plug-ins, and mix tracks.

PREREQUISITE: THFM-2310(6).

RESTRICTION: Students may not receive credit for both this course and the former THFM-3311(6).

THFM-3313(6) ADVANCED PICTURE EDITING (Le3, La3)

This is an advanced editing course focusing on both continuity-style editing and non-narrative editing techniques. The course examines standard narrative editing technique from assembly through the various rough-cut stages to a fine cut. Using digital non-linear editing systems, students learn the importance of pacing and rhythm within a scene and sequence, how to cut for dramatic effect, how to cut around continuity problems, and techniques for "invisible" cutting. The course also looks at montage editing, from the theories of Eisenstein and montage editing in dramatic features to the application of montage in music videos and movie trailers.

PREREQUISITE: THFM-2310.

RESTRICTION: Students may not receive credit for both this course and the former THFM-3311.

THFM-3401(3) THEATRE HISTORY III: IBSEN TO THE

PRESENT (Le3) This course is a continuation of Theatre History II, but may be taken without prerequisite. It covers developments in world theatre from the late nineteenth century to the present. This course can be used towards the Humanities Requirement.

THFM-3402(3) CANADIAN DRAMA AND THEATRE (Le3)

This course examines a range of Canadian dramatic works with an emphasis on plays of the last thirty years. The bulk of the course is devoted to the study of recent plays by Canadian playwrights such as Michel Tremblay, David French, George Ryga, James Reaney, and Sharon Pollock. French-language plays are studied in translation. This course can be used towards the Humanities Requirement.

THFM-3502(6) DRAMA IN EDUCATION (Le3) This is a survey of the major approaches to the use of dramatic and theatrical techniques in the field of education. Students study the ideas of leading practitioners of educational drama and work to develop the skills necessary for the teaching of drama in school settings, and for the use of drama techniques in teaching other subjects. Particular attention is given to how the principles and philosophies of Drama in Education guide best practice in a classroom environment. This course can be used towards the Humanities Requirement.

THFM-3503(3) STAGE COMBAT FOR ACTORS (Le3, LaV)

This course is designed to introduce performers to basic stage physicality and the techniques of being both victim and perpetrator of illusory violence. The focus of the course is on the day-to-day skills required by all professional actors, regardless of age or gender, to cope safely with slaps, falls, kicks, rolls, and an assortment of other physical challenges that are routinely met in modern theatre and film. All skills are learned in a dramatic context and are designed to enhance the actor's overall physicality and body awareness

on stage. This course is graded on a pass/fail basis.

PREREQUISITE: THFM-1001(6) **OR** THFM-1002(6).

THFM-3603(3) MAKE-UP II: PROSTHETICS (Le/La3) This is an advanced course in make-up design for prosthetic construction and installation. Students design images and then model, cast, and apply three-dimensional facial constructions for application in theatre, television, and film media.

PREREQUISITE: THFM-2603(3) **OR** permission of the Department Chair or designate.

THFM-3611(6) ADVANCED SCREENWRITING (S3) This advanced screenwriting course concentrates on writing longer dramatic narratives. The course takes the form of a workshop where students develop half-hour and feature-length dramatic scripts from premise and synopsis through step-outline and treatment to final draft. The course focuses on creative processes, story elements and structure, story and scene design, and story analysis. Students gain a working understanding of plot development, character development, techniques for writing dialogue, and advanced script format and style. The course also considers the role of screenwriters in Canadian filmmaking.

PREREQUISITE: "B" or better in THFM-2611(3).

THFM-3701(6) PLAYWRITING II: GENERAL (S3)

This course builds on the skills students acquired in THFM-2701(6) Playwriting I by applying them to the particular tasks of writing a full-length play (i.e. over 90 minutes). The development of plot complications in order to sustain the protagonist's action, sub-plot(s), scene structure, and the arrangement of incidents are central concerns in this course. Students are expected to complete a first draft of a full-length play during the course. This course can be used towards the Humanities Requirement.

PREREQUISITE: THFM-2701(6) **OR** permission of the instructor.

RESTRICTION: Students may not receive credit for both this course and THFM-4741(6).

THFM-3801(6) THEATRICAL PRODUCTION II (Le1.5,LaV)

The areas covered in this course are applicable to film and studio environments as well as the stage and are designed to build upon the training started in THFM-2801(6) Theatrical Production I while introducing work in other areas such as properties, painting, and wardrobe. Practical experience becomes a major component of the course and will involve increased emphasis on the basics of production organization, backstage conduct, and crew maintenance. Through hands-on experience during public exercises, students are ultimately responsible for a variety of performance aspects and are given an opportunity to experiment with crew supervision, computer lighting control and/or digital sound editing, and post-production techniques. Variable labs total not less than 120 hours over the year.

PREREQUISITES: THFM-2801(6) **AND** permission of the instructor.

PREREQUISITE OR COREQUISITE: THFM-3807(3).

THFM-3802(3) STAGE MANAGEMENT (Le3, La1.5)

This course gives students a basic introduction to the central role of stage management in the theatre. Intended for general Arts students wishing to get a realistic glimpse of the theatrical experience, this course uses lectures and simulations to reveal the process of mounting a show from the first rehearsal to the final curtain. In addition, labs provide an introduction to computer applications and the preparation of organizational tools current in the profession. Those wishing more intensive and practical experience are referred to THFM-4832(6) Problems in Stage Management.

RESTRICTION: Students may not receive credit for both this course and THFM-4832(6).

THFM-3803(3) PROPERTIES FOR THE STAGE (Le3, LaV)

The object of this course is to provide students with an introduction to prop making and acquisition. Emphasis is placed on practical skills development, research, practice, and the review of special materials and procedures for handling them.

PREREQUISITE: THFM-2801(6).

THFM-3804(3) SCENIC PAINTING (Le3, LaV) The object of this course is to provide students with an introduction to scenic painting. The proper use of paints and pigments forms a basis from which a study of the major professional painting techniques is undertaken.

PREREQUISITES: THFM-2801(6) **OR** THFM-2201(3).

THFM-3807(3) THEATRICAL PRODUCTION**OPERATIONS AND MANAGEMENT (Le3, LaV)**

The objective of the course is to continue the training in technical production for theatre begun in THFM-2801(6) Production I with the introduction of management concepts. It may be taken alone or used as a complementary course to THFM-3801(6) Production II in order to optimally balance the theoretical and practical between the two. Students begin to examine the roles of the Technical Manager as they relate to performing arts production. Emphasis is placed on organizational skills such as scheduling, materials acquisition, and personnel and facilities management.

PREREQUISITES: THFM-2801(6) **AND** permission of the instructor.

RESTRICTION: Students may not take this course if they have credit in THFM-3801(6) from 2002/03 or before.

THFM-3808(3) STAGECRAFT PRACTICUM (LeLa4)

This course is a practicum in stagecraft which encompasses the management and construction of all scenery for one of the departmental public exercises. The students in this course are involved in planning, ordering materials, shop setup, construction, installation, and removal of a complete set. The course consists of both lectures and labs, which occur concurrently in each class, as necessary.

PREREQUISITES: THFM-2801(6) **AND** permission of the instructor.

THFM-3809(3) STAGECRAFT II (Le2, La2.5)

This course is the continuation of the stagecraft portion of THFM-2801(6) with greater emphasis on the development of the skills required in the construction of stage scenery. Topics covered include more advanced consideration of techniques and principles of construction for two- and three-dimensional scenery. Emphasis is on layout and preparation for construction problems applicable to the entertainment industry. Considerations of safety in the handling of equipment and materials are included throughout along with the use of the *Workplace Hazardous Materials Information System* as it applies to theatrical scene shops.

PREREQUISITES: THFM-2801(6) **AND** permission of the instructor.

RESTRICTIONS: Students who have taken the former THFM-2001(3) Practicum version of Stagecraft II may not take this course.

THFM-3920(6) MUSICAL THEATRE (Le3, La3)

This course introduces the acting student to the special performance demands of musical theatre. It is designed to expand the student's acting skills by focusing on the particular challenges presented by a variety of musical theatre styles. Students also receive training in dance and singing, with the emphasis on learning to integrate these elements into the dramatic context. Students are expected to have previous training in dance and singing, at least to the level achieved in THFM-2920(3) Introductory Dance for Musical Theatre and THFM-2922(3) Introduction to Music and Singing; students who already have backgrounds in either of these areas may

apply to the Chair to be exempted from taking one or both of these courses.

PREREQUISITES: THFM-2101(6); THFM-2920(3); **AND** THFM-2922(3).

HONOURS COURSES**THFM-4041(6) SPECIAL STUDIES IN THEATRE/FILM**

(T,V) Students taking this course arrange a program of reading, individual study, and lab work in consultation with an appropriate Instructor.

PREREQUISITE: Permission of the Department Chair.

THFM-4042(3) SPECIAL STUDIES IN THEATRE/FILM

(T,V) Students taking this course arrange a program of reading, individual study, and lab work in consultation with an appropriate Instructor.

PREREQUISITE: Permission of the Department Chair.

THFM-4131(12) ACTING III: HONOURS (Le9, LaV)

This is an advanced course which offers a study of acting style and technique as they relate to the interpretation of plays within the modern period and within certain well-defined genres. In addition to regular classes and labs, students participate in the rehearsal and performance of one full-length production presented as a public exercise, and lab sessions designed to prepare them for the associated challenges of this production. It is **highly recommended** that students take THFM-2505(3) Principles of Physical Training for the Actor and THFM-2502(3) Voice and Speech Skills for Presentation and Performance prior to auditioning for this course.

PREREQUISITES: THFM-2101(6), **OR** THFM-2101(3) and THFM-2102(3), **AND** permission of the instructor.

COREQUISITE: THFM-3105(6).

RESTRICTIONS: Registration in this course is **by audition only**. Auditions are held annually at the end of April; see the department's Student Advisor in Room 3T03 or call 204-786-9955 for details.

THFM-4133(6) DEvised THEATRE (Le3, LaV)

This course explores several models for the generation and development of original material for performance. Students are expected to engage in various methods of individual and collaborative play-making research and to explore various processes and forms in the construction of original performance work. Students are responsible for producing substantial amounts of theoretical and practical research outside of scheduled class times. The course culminates in the construction of public performance pieces; additional rehearsals are scheduled outside of class time.

PREREQUISITES: THFM-2101(6) **AND** permission of the instructor.

THFM-4134(6) INTERPRETING SHAKESPEARE

(Le3, La3) This course is for performance students who seek an understanding of the problems of text analysis, stylistic control, and verse speaking involved in classical interpretation. Emphasis is placed on intellectual understanding of the text and on the practical skills necessary to translate that understanding into an effective performance. Grading in the course is based on both written and practical assignments, and may include a public exercise. This course can be used towards the Humanities Requirement.

PREREQUISITE: THFM-2101(6).

COREQUISITE: THFM-3106(6).

THFM-4135(3) ACTING FOR THE MEDIA (Le3, LaV)

This course is designed to give the student a basic practical and theoretical understanding of the demands of acting for the camera. It focuses on specific knowledge, skills, and techniques with special attention to adaptation from stage to media work. Classes consist of lectures and discussions on

the art and craft of film acting interpreted with practical exercises designed to address and overcome the problems inherent in the art. Students are expected to research and present special topics of relevance, prepare and perform a major role in a scene, prepare and perform minor acting roles as needed, and participate in technical activities in support of classmates' work.

PREREQUISITES: THFM-2101(6) OR THFM-2101(3) AND THFM-2102(3).

THFM-4136(3) ADVANCED MEDIA ACTING (Le3, LaV)

This course continues the work of THFM-4135(3) Acting for the Media. Through ensemble work on 5-10 minute video productions, acting students further develop their knowledge and skill in all aspects of the media process: acting, directing, editing, camera, sound, and lighting. These projects are supplemented with lectures, readings, workshop exercises, and discussions. Students must be prepared to work some evenings and/or weekends outside of scheduled class time in order to accommodate shooting and editing.

PREREQUISITE: THFM-4135(3) OR permission of instructor.

THFM-4141(12) ACTING IV: HONOURS – STYLE AND GENRE (Le9, LaV)

This course focuses on the development of students' acting skills and techniques in a performance context, involving particular historical styles and/or theatrical genres. The course emphasizes vocal styling, period movement, and physical characterization, as well as ensemble techniques. Students participate in the rehearsal and performance of two full-length productions presented as public exercises, and lab sessions designed to prepare them for the challenges of each.

PREREQUISITE: THFM-4131(12) AND permission of the Chair.

COREQUISITE: THFM-3106(6).

RESTRICTION: Students may not receive credit for both THFM-4141(12) and THFM-4145(6).

THFM-4145(6) ACTING IV: HONOURS –

CONTEMPORARY PERFORMANCE (LeLa9) This is a 6 credit-hour course designed for students who have completed Acting III: Honours; students who have completed Acting III: General may take it with permission of the Department Chair. This course undertakes the further development of the student's acting skill and ensemble technique with particular emphasis on achieving authenticity of dramatic action and sustaining character in the performance of a full-length contemporary play. The course also includes vocal training.

PREREQUISITES: THFM-4131(12) AND permission of the Department Chair.

COREQUISITE: THFM-3106(6).

RESTRICTION: Students may not receive credit for both THFM-4141(12) and THFM-4145(6).

THFM-4203(6) CONTEMPORARY STAGE DESIGN

(Le1.5, La3) This advanced course in design (sets and costumes) continues the development of design skills on both theoretical and practical projects. Students study in the capacity of design assistants or designers on Department sponsored or approved productions. Papers of design analysis along with renderings, models, and post-production self-criticism are integral to the course.

PREREQUISITES: THFM-3201(6) AND THFM-3202(3).

THFM-4331(6) DIRECTING I (Le3, La3) This course explores the director's process in the dramatic theatre, including such matters as play selection, the audition, coaching actors, and finding "the theatrical metaphor." In the lab sessions students present scenes and receive criticism of their work. The final project for the course includes the direction of a one-act play. Students also write papers of

intent and papers of self-criticism in connection with each directing assignment.

PREREQUISITES: THFM-2101(6), OR THFM-2101(3) AND THFM-2102(3).

THFM-4441(3) THEATRE AESTHETICS (S3) This course consists of an examination of some fundamental questions about the nature of Theatre and Film. Seminar discussions are supplemented with the reading of key texts in dramatic theory and criticism. This course can be used towards the Humanities Requirement.

PREREQUISITES: THFM-2401(3) OR THFM-2402(3) OR THFM-2703(3) OR THFM-3401(3) OR THFM-3402(3).

Permission of the instructor is required in the case of General course students applying to enrol in this Honours course.

THFM-4442(3) ADVANCED THEORY OF ACTING (S3)

This course deals with major issues in the theory of acting and other modes of theatrical performance, with attention to Stanislavsky, Meyerhold, Artaud, and Grotowski, as well as to more recent attempts to understand the nature of acting, the principles underlying actor training, both physical and psychological, and the aesthetics of acting and other performance modes. Some attention is given to recent cross-cultural and cross-disciplinary studies of performance.

PREREQUISITE: THFM-1001(6) OR THFM-1002(6).

THFM-4532(6) SWORDPLAY: STAGE AND SCREEN

(Le3, LaV) This course is an introduction to the basic principles of swordplay for stage and screen. Using the stage combat rapier, the course teaches systems for safety, principles of illusion, and style/period considerations as they relate to staged swordplay. The course is considered a performance course and all stage combat skills are evaluated in the context of a dramatic scene.

PREREQUISITES: THFM-2501(6) OR THFM-3503(3) OR permission of the instructor.

THEM-4809(6) ADVANCED STAGECRAFT PRACTICUM I

(Le2, La2.5) This course is a continuation of the stagecraft portion of THFM-2801 Production I with greater emphasis on the skills, techniques, and principles required to construct stage scenery. The course is also an advanced practicum which encompasses the management and construction of all scenery for the department's 4th-year public exercise (Fall). In addition, course content focuses on the development of blueprint reading and other practical skills as they relate to scenic construction. Emphasis is also placed on the role of the master carpenter's relationship with the set designer.

PREREQUISITES: THFM-3801(6) AND permission of the instructor.

RESTRICTION: Students who have taken the former THFM-2001(3) Practicum version of Stagecraft II OR THFM-3809(3) Stagecraft II may not take this course.

THFM-4832(6) PROBLEMS IN STAGE MANAGEMENT

(Le3, LaV) This course is designed to give the student a comprehensive understanding of stage management and an opportunity to apply that understanding as a part of the stage management team working on a public exercise. In the process the student will develop an understanding of basic management theories as they relate to the profession. Lectures provide the student with an overview of stage management and the fundamental skills it demands. Labs are both instructional and practical in nature and encompass the use of computers and an opportunity to experience stage management in an arena closely duplicating that of the profession.

PREREQUISITE: THFM-2801(6).

RESTRICTION: Students may not receive credit for both this course and THFM-3802(3).

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

THFM-3805(3) MANAGING AND GOVERNANCE IN ARTS AND CULTURAL ORGANIZATIONS (Le3) This course provides students interested in the governance of arts and cultural organizations with a greater understanding of the importance of leading and managing strategically within these areas. Topics include: understanding strategic planning principles and appreciating the role of the board, volunteers, and paid staff. Students in this course learn how to develop and implement marketing strategies and to build a fund development plan.

CROSS-LISTED: Professional and Continuing Education
DPS 51014.

DANCE PROGRAM STREAM (DANC)

Updated Feb 1, 2013

Note: The department/program code DANC replaces the former code 93. Students cannot hold credit in DANC-xxxx and the former 93.xxxx having the same course number [e.g., DANC-1901(3) and 93.1901(3)].

Co-Principals: Odette Heyn, Faye Thomson.

DEGREES/PROGRAMS OFFERED

3-Year BA

Honours BA

INTRODUCTION

The objective of the Dance Program Stream is to prepare Theatre and Film Dance Program Stream majors for graduate-equivalent training and/or professional work in performance, teaching, and/or choreography. The program is offered jointly with the Senior Professional Program of the School of Contemporary Dancers; **entrance to the Senior Professional Program of the School of Contemporary Dancers is by audition. Continuance in the Dance Program Stream is based on progress as assessed by the School of Contemporary Dancers.** The School of Contemporary Dancers is an autonomous training centre with an international reputation. Although affiliated with the University of Winnipeg, professional assessment standards are applied by the school based on industry practice and are subject to periodic external review.

In order to avoid errors in course selection and load (which may result in the need to take additional courses for the degree), we **STRONGLY ENCOURAGE** students to consult with the Department's Academic Advisor in planning their course of study. Call (204) 786-9955 for further information or to arrange an appointment.

REQUIREMENTS FOR A 3-YEAR BA (DANCE PROGRAM STREAM)

Although the program objective is designed to promote development as a professional performer and entrants must demonstrate the desire and potential to meet that goal, for students who are not proceeding to Fourth-Year Honours, the 3-Year BA offers an opportunity to complete degree studies with professional dance training which may be used to contribute to careers in teaching, choreography, or other related areas.

ADMISSION REQUIREMENT Successful audition and acceptance to the Senior Professional Program of the School of Contemporary Dancers.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

Note: Theatre and Film Stream courses cannot be used to fulfil the Major subject requirements in the Dance Program Stream; they are considered to be a different subject with respect to the maximum number of courses permitted in the Major subject, and to the University Distribution Requirement.

MAJOR REQUIREMENT

Single Major: Minimum 36 credit hours/Maximum 48 credit hours.
Double Major: 36 credit hours in Dance and specified number of credit hours in the other department/program.
Required courses: **DANC-3901(6)** Dance Technique III
DANC-3902(6) Performance I
DANC-3903(6) Performance II

EXAMPLE OF PATTERN OF DANCE STUDY

1st Year:
Compulsory: **DANC-1901(3)** Survey of Dance I
DANC-2901(6) Dance Technique I
Recommended: **DANC-1904(6)** Spring Dance Intensive I

2nd Year:

Compulsory: **DANC-1902(3)** Survey of Dance II
DANC-2902(6) Dance Technique II
Recommended: **DANC-2904(6)** Spring Dance Intensive II
DANC-3911(6) Dance Paedagogy I

3rd Year:

Compulsory: **DANC-3901(6)** Dance Technique III
DANC-3902(6) Performance I
DANC-3903(6) Performance II
Recommended: **DANC-3904(6)** Spring Dance Intensive III
DANC-3910(6) Dance Composition I
DANC-4911(6) Paedagogy II

REQUIREMENTS FOR THE BA HONOURS (DANCE PROGRAM STREAM)

The Honours Program is limited to those who are seeking elite training at the level of, and who have demonstrated the ability to become, an emerging artist as a professional dancer.

Note: Registration for all Honours courses in Dance is by permission of The School of Contemporary Dancers. Students' level of development during the third year of the program must be assessed by the School of Contemporary Dancers to be suitable in order to progress to the fourth year.

ADMISSION REQUIREMENT

Successful audition and acceptance to the Senior Professional Program of the School of Contemporary Dancers.

Students may enter into the program after completing a minimum of 30 credit hours. Entry, continuing, and graduation minimum GPA is 3.0 in Honours subject courses and 2.5 (C+) in Non-Honours subject courses. The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours subject courses. The minimum 2.5 GPA (C+) in all Non-Honours subject courses will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT

Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Honours: Minimum 30 credit hours, including at least 18 credit hours at the upper level (3000/4000), of which a minimum of 9 credit hours must be at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

Note: Theatre and Film Stream courses cannot be used to fulfil the Honours subject requirements in the Dance Program Stream; they are considered to be a different subject with respect to the maximum number of courses permitted in the Honours subject, and to the University Distribution Requirement.

HONOURS REQUIREMENT (DANCE)

Single Honours: Minimum 60 credit hours/Maximum 78 credit hours in the Honours subject.
Minimum 24 credit hours at the 4000 level.
Double Honours: Minimum 60 credit hours in the Dance Program Stream and the number as specified in the *Calendar* in the second subject.
Minimum 24 credit hours at the 4000 level in the Dance Program Stream and the number as specified in the *Calendar* in the second subject.
Required Courses: **DANC-4901(6)** Dance Technique IV
DANC-4902(6) Performance III
DANC-4903(6) Performance IV
DANC-4904(6) Spring Dance Intensive IV

EXAMPLE OF PATTERN OF DANCE STUDY

1st Year:

Compulsory: **DANC-1901(3)** Survey of Dance I
DANC-2901(6) Dance Technique I
Recommended: **DANC-1904(6)** Spring Dance Intensive I

2nd Year:

Compulsory: **DANC-1902(3)** Survey of Dance II
DANC-2902(6) Dance Technique II
Recommended: **DANC-2904(6)** Spring Dance Intensive II
DANC-3911(6) Dance Paedagogy I

3rd Year:

Compulsory: **DANC-3901(6)** Dance Technique III
DANC-3902(6) Performance I
DANC-3903(6) Performance II
Recommended: **DANC-3904(6)** Spring Dance Intensive III
DANC-3910(6) Dance Composition I
DANC-4911(6) Paedagogy II

4th Year:

Compulsory: **DANC-4901(6)** Dance Technique IV
DANC-4902(6) Performance III
DANC-4903(6) Performance IV
DANC-4904(6) Spring Dance Intensive IV
Recommended: **DANC-4910(6)** Dance Composition II

GENERAL INFORMATION

The Department of Theatre and Film offers a series of three courses available exclusively to Dance Program Stream students which provide theatrical training in areas of special interest to dancers: THFM-2604(2) Introduction to Stage Lighting for Dance; THFM-2605(2) Lighting for Dance Practicum; and THFM-2606(2) Self Producing for Dance. These courses are scheduled by the School of Contemporary Dancers and, taken together, provide six credit hours towards the non-dance course requirement. Students in the Dance Program Stream will be notified of each offering.

In order to fulfill non-major requirements, students intending to complete a Major/Honours degree in the Dance Program Stream are encouraged to look at the *Calendar* entries for Theatre and Film and other departments such as: Biology, Kinesiology and Applied Health, Psychology, for courses which complement studies in Dance.

COURSE LISTINGS

COURSES IN THE GENERAL PROGRAM

DANC-1901(3) Survey of Dance I
DANC-1902(3) Survey of Dance II
DANC-1904(6) Spring Dance Intensive I
DANC-2901(6) Dance Technique I
DANC-2902(6) Dance Technique II
DANC-2904(6) Spring Dance Intensive II
DANC-3901(6) Dance Technique III
DANC-3902(6) Performance I
DANC-3903(6) Performance II
DANC-3904(6) Spring Dance Intensive III
DANC-3910(6) Dance Composition I

DANC-3911(6) Dance Paedagogy I
DANC-3912(6) Special Studies in Dance I

HONOURS COURSES

DANC-4901(6) Dance Technique IV
DANC-4902(6) Performance III
DANC-4903(6) Performance IV
DANC-4904(6) Spring Dance Intensive IV
DANC-4910(6) Dance Composition II
DANC-4911(6) Dance Paedagogy II
DANC-4912(6) Special Studies in Dance II

COURSE DESCRIPTIONS

DANC-1901(3) SURVEY OF DANCE I (Le3, La3) This course introduces students to composition, paedagogy, and performance through the use of lectures, demonstrations, and practical application. Composition: fundamental concepts of choreography; improvisation as a basis for choreographic development. Paedagogy: introduction to kinesiological principles and technical and artistic analysis. Performance: analysis of the rehearsal and performance experience. The classes for this course are scheduled over two terms.

COREQUISITE: Must be taken concurrently with DANC-2901(6) Dance Technique I.

DANC-1902(3) SURVEY OF DANCE II (Le3, La3) This is a continuation of DANC-1901(3).

PREREQUISITE: DANC-1901(3) **OR** permission of the Program Co-Director.

COREQUISITE: Must be taken concurrently with DANC-2902(6) Dance Technique II.

DANC-1904(6) SPRING DANCE INTENSIVE I (Le3, LaV) This is a practical and intensive studio course in dance. It includes technique, performance, and special topics relevant to the technical and artistic development of the modern dancer. Admission to the course is by audition.

DANC-2901(6) DANCE TECHNIQUE I (Le3, LaV) This course is comprised of daily studio classes in the

techniques of modern dance and ballet. The course focuses on the refinement of technique and artistic development.

COREQUISITE: Must be taken concurrently with DANC-1901(3) Survey of Dance I.

DANC-2902(6) DANCE TECHNIQUE II (Le3, LaV) This is a further development of DANC-2901(6) Dance Technique I.

PREREQUISITE: DANC-2901(6) **OR** permission of the Program Co-Director.

COREQUISITE: Must be taken concurrently with DANC-1902(3) Survey of Dance II.

DANC-2904(6) SPRING DANCE INTENSIVE II (Le3, LaV) This is a further development of DANC-1904(6) Spring Dance Intensive I. It is a practical and intensive studio course in dance and includes technique, performance, and special topics relevant to the technical and artistic development of the modern dancer.

PREREQUISITE: DANC-2901(6) Dance Technique I or equivalent **OR** permission of the Program Co-Director.

DANC-3901(6) DANCE TECHNIQUE III (Le3, LaV) This is a further development of DANC-2902(6) Dance Technique II.

PREREQUISITE: DANC-2902(6) Dance Technique II **OR** permission of the Program Co-Director.

COREQUISITES: Must be taken concurrently with DANC-3902(6) Performance I **AND** DANC-3903(6) Performance II.

DANC-3902(6) PERFORMANCE I (Le3, LaV) This course is a performance project focusing on works by faculty members and/or guest choreographers. It includes rehearsals and performances.

COREQUISITES: Must be taken concurrently with DANC-3901(6) Dance Technique III **AND** DANC-3903(6) Performance II.

DANC-3903(6) PERFORMANCE II (Le3, LaV) This is a second performance project course focusing on works by faculty members and/or guest choreographers.

COREQUISITES: Must be taken concurrently with DANC-3901(6) Dance Technique III **AND** DANC-3902(6) Performance I.

DANC-3904(6) SPRING DANCE INTENSIVE III (Le3, LaV) This is a further development of DANC-2904(6) Spring Dance Intensive II. It is a practical and intensive studio course in dance and includes technique performance and special topics relevant to the technical and artistic development of the modern dancer.

PREREQUISITE: DANC-2902(6) Dance Technique II or equivalent **OR** permission of the Program Co-Director.

DANC-3910(6) DANCE COMPOSITION I (Le2, LaV) This course explores methods of choreography and includes choreographic assignments culminating in public performances. It is normally taken in the third year.

PREREQUISITE: Permission of the Program Co-Director.

DANC-3911(6) DANCE PAEDAGOGY I (Le3) This course explores methods of teaching in creative dance, ballet, and modern at the elementary level and offers studio experience in teaching and/or assistant teaching. It is normally taken during the second or third year.

PREREQUISITES: Permission of the Program Co-Director.

DANC-3912(6) SPECIAL STUDIES IN DANCE (P)

HONOURS COURSES

NOTE: Students are reminded that permission of the Co-Director is **REQUIRED** for **ALL** Honours courses.

DANC-4901(6) DANCE TECHNIQUE IV (Le3, LaV) This course is a further development of DANC-3901(6) Dance Technique III.

PREREQUISITE: DANC-3901(6) Dance Technique III **OR** permission of the Program Co-Director.

COREQUISITES: Must be taken concurrently with DANC-4902(6) Performance III **AND** DANC-4903(6) Performance IV.

DANC-4902(6) PERFORMANCE III (Le3, LaV) This course represents a progression from the 3000-level performance courses with emphasis on the student's individual development. It involves a practicum with a professional choreographer.

PREREQUISITES: DANC-3901(6) Dance Technique III, DANC-3902(6) Performance I **AND** DANC-3903(6) Performance II **OR** permission of the Program Co-Director.

COREQUISITES: Must be taken concurrently with DANC-4901(6) Dance Technique IV **AND** DANC-4903(6) Performance IV.

DANC-4903(6) PERFORMANCE IV (Le3, LaV) This course represents a further progression from the 3000-level courses with emphasis on the student's individual development. It involves a practicum with a professional choreographer.

PREREQUISITES: DANC-3901(6) Dance Technique III, DANC-3902(6) Performance I **AND** DANC-3903(6) Performance II **OR** permission of the Program Co-Director.

COREQUISITES: Must be taken concurrently with DANC-4901(6) Dance Technique IV **AND** DANC-4902(6) Performance III.

DANC-4904(6) SPRING DANCE INTENSIVE IV (Le3, LaV) This is a further development of DANC-3904(6) Spring Dance Intensive III. It is a practical and intensive studio course in dance and includes technique, performance, and special topics relevant to the technical and artistic development of the modern dancer.

PREREQUISITE: DANC-3901(6) Dance Technique III or equivalent **OR** permission of the Program Co-Director.

DANC-4910(6) DANCE COMPOSITION II (Le2, LaV) This course represents a further development of DANC-3910(6) Dance Composition I.

PREREQUISITES: DANC-3910(6) Dance Composition I **AND** permission of the Program Co-Director.

DANC-4911(6) DANCE PAEDAGOGY II (Le3) This course places emphasis on the teaching of ballet and modern at the intermediate level and offers studio experience in teaching and/or assistant teaching.

PREREQUISITES: DANC-3911(6) Dance Paedagogy I **AND** permission of the Program Co-Director.

DANC-4912(6) SPECIAL STUDIES IN DANCE II (P)

URBAN AND INNER-CITY STUDIES (UIC)

Updated Jan. 24, 2013

**Chair: Professor J. Silver; Professor: E. Peters; Associate Professor: J. Harris; Assistant Professor: S. MacKinnon;
Program Coordinator: D. Ironstar-Der**

DEGREES/PROGRAMS OFFERED

**3-Year BA
4-Year BA
Honours BA
Certificate
Minor**

INTRODUCTION

Urban and Inner-City Studies is an interdisciplinary Major concerned with the examination of the city as a dynamic environment. The program combines a traditional urban studies focus with courses that examine various aspects of the inner city, such as the urban Aboriginal experience, the immigrant and refugee experience, and the role of women. In Canada, cities continue to be centres of great challenges: from managing suburban growth, to promoting inner-city revitalization; from responding to the opportunities and challenges created by rapidly changing demographics to those created by globalization and socio-economic change. Cities are also home to increased concentrations of poverty and social and political exclusion. The Department of Urban and Inner-City Studies provides an opportunity to examine the political, economic, social and spatial context of these and many other important aspects of urban change from an interdisciplinary perspective.

The Department of Urban and Inner-City Studies is located on Selkirk Avenue, in Winnipeg's historic North End. Most classes are offered at 527 Selkirk Ave, in a unique, Aboriginal-designed building. We offer an innovative and intellectually exciting curriculum in a dynamic setting. This is university education, with a difference! Participating departments and programs include Indigenous Studies, Conflict Resolution Studies, Criminal Justice, Economics, Environmental Studies, Geography, History, International Development Studies, Politics, Sociology, and Women and Gender Studies. The Department also draws upon the resources and expertise of the Institute of Urban Studies, located on the main campus.

RED RIVER COLLEGE

The Department of Urban and Inner-City Studies welcomes students from the Community Development/Community Economic Development Program at Red River College. The University of Winnipeg will grant a total of 30 credit hours in block transfer credits to Red River College students who have completed the 2 year Diploma program in CD/CED. For students who have completed 1 year and have received their Certificate in CD/CED, the University will transfer 9 block credit hours. Further details regarding the transfer of credits and course requirements are available from the Department Chair or the Program Coordinator of UIC.

CERTIFICATE PROGRAM

The Certificate Program in Urban and Inner-City Studies is a 30-credit-hour program, designed especially but not only for part-time students. Awarded annually by the Department of Urban and Inner-City Studies, the Certificate will indicate a pre-degree designation. Since the courses required for the Certificate are also part of the degree program, they can be used towards a 3-year, 4-year or Honours BA, if the student chooses to continue his/her studies.

Please Note: Most of the Urban and Inner-City Studies course offerings will be taught off-campus at 527 Selkirk Avenue.

REQUIREMENTS FOR A 3-YEAR BA IN URBAN AND INNER-CITY STUDIES

ADMISSION REQUIREMENT	Students should consult with the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum five (5) different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours/Maximum 48 credit hours. Students must take 36 credit hours from the list of core courses.
Double Major:	36 credit hours in Urban and Inner-City Studies and specified number of credit hours in the other department/program.

REQUIREMENTS FOR A 4-YEAR BA IN URBAN AND INNER-CITY STUDIES

ADMISSION REQUIREMENT	Students should consult with the Department in planning their studies
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 51 credit hours/Maximum 66 credit hours.
Double Major:	51 credit hours in Urban and Inner-City Studies and specified number of credit hours in the other department/program.
Cognates:	Minimum of 18 credit hours, maximum of 36 credit hours in related courses from one of several departments. Maximum total of cognate (area) and major courses is 84 credit hours combined. Students may take a maximum of 12 credit hours of Directed Reading towards the major requirement.
Required courses:	36 credit hours from the list of core courses 15 credit hours from the list of area courses Minimum 18 credit hours at the 2000 level Minimum 24 credit hours at the 3000 level Maximum 18 credit hours at the 4000 level
	Students who have obtained at least a 3.0 GPA in previous Urban and Inner-City Studies courses may substitute a maximum of 18 credit hours at the 4000 level for 3000-level courses. Students without the required 3.0 GPA must consult the Department for permission to take 4000-level courses.
Combined Major:	Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.

REQUIREMENTS FOR AN HONOURS BA IN URBAN AND INNER-CITY STUDIES

ADMISSION REQUIREMENT	Students must have completed 30 credit hours with a minimum 3.0 GPA in Honours subject courses (cumulative GPA) and 2.5 GPA (degree GPA) in non-Honours courses. Students must consult with and have the approval of the Department in planning their course of study.
GRADUATION REQUIREMENT	120 credit hours, with minimum 3.0 GPA in Honours subject courses and 2.5 GPA in Non-Honours subject courses.
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Honours:	Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level.
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
HONOURS REQUIREMENT	
Single Honours:	Minimum 54 credit hours/Maximum 78 credit hours Minimum 30 credit hours in 4000-level Honours Courses Students are allowed a maximum of 12 credit hours of Directed Readings toward the Honours requirement
Double Honours:	Minimum 36 credit hours in each Honours subject

Minimum 24 credit hours in 4000-level Honours courses in Urban and Inner-City Studies

Honours students must select from the course listings below according to the requirements under the 4 Year Degree:
36 credit hours from the list of core courses
15 credit hours from the list of area courses
Honours students must include among their core and area courses:
30 credit hours at the 4000 level.

REQUIREMENTS FOR A CERTIFICATE IN URBAN AND INNER-CITY STUDIES

Students who take the following 30 credit hours of courses in the Urban and Inner-City Studies program are entitled to receive a Certificate in Urban and Inner-City Studies.

Take the following six courses:

UIC-1001(3)	Introduction to Urban and Inner-City Studies
DMISC-16476 0703	Introduction to University-eligible for transfer credit (3) or
RHET-1105(3)	Academic Writing
UIC-2001(3)	Community Development
UIC-2020(3)	Colonization and Aboriginal Peoples
UIC-3001(6)	Urban and Inner-City Practicum
UIC-3020(3)	Women and the Inner City

Choose at least three of the following courses:

UIC-2030(3)	Management and Financial Administration for Community Leadership
UIC-2210(3)	Introduction to Community Advocacy
UIC-2220(3)	Urban Poverty and Policy deleted History of Education (still experimental)
UIC-3030(3)	Urban and Community Planning
UIC-3035(3)	Human Resource Management for Community Leadership
UIC-3050(3)	Immigration and the Inner City
UIC-3100(3)	Issues in Urban and Inner-City Studies
UIC-3210(3)	Community Organizing
UIC-3240(3)	Poverty and the Law
UIC-3430(3)	Housing and the Neighbourhood
ECON-1104(3)	Introduction to Economic Theory
GEOG-2415(3)	Introduction to Urban Development

REQUIREMENTS FOR A MINOR IN URBAN AND INNER-CITY STUDIES

Degree:	Students must complete a 4-year general or honours degree in order to be eligible to hold the Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level
Residence Requirement:	Minimum 12 credit hours in the Minor subject
Required courses:	(UIC 1001/3). Introduction to Urban and Inner-City Studies Minimum 3 credit hours at 3000 or 4000 level
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

COURSE LISTINGS

Please note: Courses with asterisks (*) have prerequisites or require departmental approval.

All 4000 level honours courses require permission from the appropriate department and some may have prerequisites.

Core Courses:

All students must complete a minimum of 36 credit hours from the core list.

Take the following six courses:

UIC-1001(3)	Introduction to Urban and Inner-City Studies
ECON-1104(3)	Introduction to Economic Theory
or	
ECON-1106(3)	Economics of Development
UIC-2001(3)	Community Development
UIC-2020(3)	Colonization and Aboriginal Peoples
UIC-3001(6)	Urban and Inner City Practicum*
UIC-3030(3)	Urban and Community Planning

Choose at least five of the following:

UIC-2030(3)	Management and Financial Administration for Community Leadership
UIC-2210(3)	Introduction to Community Advocacy

UIC-2220(3)	Urban Poverty and Policy
UIC 3002 (3)/(6)	Directed Readings
UIC-3020(3)	Women and the Inner City
UIC-3035(3)	Human Resource Management for Community Leadership
UIC-3050(3)	Immigration and the Inner City
UIC-3100(3)	Issues in Urban and Inner-City Studies
UIC-3210(3)	Community Organizing
UIC-3240(3)	Poverty and the Law
UIC-3430(3)	Housing and the Neighbourhood
UIC-4001(3)/(6)	Directed Readings in Urban and Inner-City Studies
UIC-4010(3)	Urban Poverty
UIC-4020 (3)	Inner-City Workshop
UIC-4210(3)	New Urban Worlds
UIC-4445(3)	Urban Aboriginal Seminar

Area Courses:

Four-year Majors and Honours students must complete a minimum of 15 credit hours from the area list:

Anthropology

- ANTH-2160(3) Indigenous Peoples and the Industrial State*
ANTH-2211(3) Origins and Development of Urbanism
ANTH-4105(6) Aboriginals and Newcomers in Encounter:
Selected Topics

Business and Administration

- BUS-3250(3) Not-for-Profit Management *

Conflict Resolution Studies

- CRS-2443(3) Conflict and Development Issues in
Indigenous Communities
CRS-3242(3) Women and Peacemaking
CRS-4910(3) Conflict and Construction of the Other

Criminal Justice

- CJ-4105(3) Seminar in Youth and Justice

English

- ENGL-3717(6) Aboriginal Literatures*

Environmental Studies

- ENV-3025(3) Issues in Sustainable Cities*
ENV-3603(3) Winnipeg and the Environment*

Geography

- GEOG-2414(3) The Urban Environment*
GEOG-3413(3) Urban Revitalization*
GEOG-3010(3) Urban Studies Special Topics
GEOG- 4403(3) Urban Land Use Developmental Processes
GEOG-4404(3) Field Research in Urban Geography

History

- HIST-2509(6) History of Aboriginal Peoples of Canada
HIST-3121(3) Women in the Modern World
HIST-3542(6) Gender, Class and Ethnicity in Canadian
History
HIST-3544(6) History of Winnipeg
HIST-3545(6) Historical Perspectives on Women in Canada
HIST-4570(3) Aboriginals and Newcomers in Encounter:
Selected Topics

International Development Studies

- IDS-2110(3) Participatory Local Development (formerly
IDS-3110(3))
IDS-2160(3) Indigenous Peoples and the Industrial State*
IDS-2443(3) Conflict and Development Issues in
Indigenous Communities
IDS-4920(3) Program Planning, Monitoring, and
Evaluation

Indigenous Studies

- IS-4021(6) Pathways to Indigenous Wisdom

Honours Course List:

Note: All honours level courses require permission of the appropriate department and some may have prerequisites. □

- UIC 4001(3)(6) Directed Readings in Urban and Inner-City Studies
UIC 4010 (3) Urban Poverty
UIC-4020(3) Inner-City Workshop
UIC 4445(3) Urban Aboriginal Seminar
IS 4021(6) Pathways to Indigenous Wisdom
IS 4022(3) Indigenous Research Methods
CJ 4105(3) Seminar in Youth and Justice
HIST 4570/
ANTH 4105 (6) Aboriginals and Newcomers in Encounter: Selected Topics
CRS/IDS 4910(3) Conflict and Construction of the Other
GEOG 4403(3) Urban Land Use Developmental Processes

- IS-4022(3) Indigenous Research Methods

Politics

- POL-2405(6) Women, Gender and Politics
POL-2410(6) Human Rights and Civil Liberties in
Canada
POL-2500(3) City Politics
POL-2505(3) Issues in City Politics
POL-3020(3) The New Segregation: Poverty, Race and
Social Exclusion
POL-3400(3) Aboriginal Politics in Canada
POL-3405(3) Aboriginal Politics in Manitoba
POL-3411(3) Aboriginal People and the Law
POL-3415(3) Aboriginal People and the Law II
POL-3510(3) Interest Groups and New Social
Movements
POL-4440(6) Seminar in Aboriginal Politics
POL-4505(6) Politics of Urban Planning
POL-4515(6) Inner-City Seminar
POL-4520(3) Theories of Urban Poverty

Religious Studies

- REL-2801(3) Introduction to Aboriginal Spirituality I
REL-2802(3) Aboriginal and Christian Encounters
REL-2804(3) Global Perspectives on Aboriginal
Societies, Spirituality and the Environment
REL-4551(3) Religion and Social Change
REL-4800(3) Topics in Aboriginal Religious Traditions

Sociology

- SOC-2105(6) Race, Ethnic and Aboriginal Relations*
SOC-2118(6) Sex and Gender Relationships*
SOC-2120(3) Sociology of Communities*
SOC-3113(6) Sociology of Cities and Urban Life*
SOC-3123(3) Crime, Victimization and Justice in
Aboriginal Communities*
SOC-3208(3) Women: Crime and Social Justice*
SOC-4412(6) Seminar in Sociology and the Family
SOC-4413(6) Seminar in Race and Ethnic Relations
SOC-4414(6) Seminar in Women in Society

Urban and Inner-City Studies

- UIC 3011(3) Inner-City Economic Development

Writing, Rhetoric and Communication

- RHET-3321(3) Composing Our Winnipeg: Rhetoric and/of
the City

Women's and Gender Studies

- WGS-1232(6) Introduction to Women and Gender
Studies
WGS-2250(3) Women of Colour in Canada*
WGS-3242(3) Women and Peacemaking*
WGS-4004(3) Feminist Cultural Studies

GEOG 4404(3)	Field Research in Urban Geography
HIST 4570(3)	Aboriginals and Newcomers in Encounter: Selected Topics
IDS/CRS 4920(3)	Program Planning, Monitoring, and Evaluation □
POL 4440(6)	Seminar in Aboriginal Politics
POL 4505(6)	Politics of Urban Planning
POL 4515(6)	Inner-City Seminar
REL 4551(3)	Religion and Social Change
REL 4800(3)	Topics in Aboriginal Religious Traditions
SOC 4412(6)	Seminar in Sociology and the Family
SOC 4413(6)	Seminar in Race and Ethnic Relations
SOC 4414(6)	Seminar in Women in Society
WGS 4004(3)	Feminist Cultural Studies

Please note: Courses with asterisks (*) have prerequisites or require departmental approval.

The following is an example of a possible degree program. Students are strongly encouraged to see a UIC program academic advisor when planning their individual programs. A liberal arts education is a well-rounded education that promotes a broad understanding of the world while developing communication and critical thinking skills which are applicable to many different career paths. Given the range of options available, no two students will graduate with the same selection of courses.

Year 1:

UIC-1001(3) Introduction to Urban and Inner-City Studies
 UIC-2020(3) Colonization and Aboriginal Peoples
 3 credit hours of Academic Writing Requirement
 6 credit hours of Humanities
 15 credit hours of electives

Year 2:

ECON-1104(3) Introduction to Economic Theory
 UIC-2001(3) Community Development
 UIC-2220(3) Urban Poverty and Policy
 UIC-3020(3) Women and the Inner City
 6 credit hours of Humanities
 6 credit hours of Science Requirement
 6 credit hours of electives

Year 3:

UIC-3001(6) Urban and Inner-City Practicum
 UIC 3030(3) Urban and Community Planning
 UIC-3040(3) Poverty and the Law
 UIC-3050(3) Immigration and the Inner City
 UIC-3100(3) Issues in Urban and Inner-City Studies
 12 credit hours of electives

COURSE DESCRIPTIONS

UIC-1001(3) INTRODUCTION TO URBAN AND INNER-CITY STUDIES (Le3) The course provides an overview of the dynamics that drive a city's growth and that produce change over time. It considers the social impact of urban change, with particular emphasis on the interconnectedness of the different parts of the city and on the impact of urban change on the inner city. It examines how these changes shape city politics, looking at the political interests and problems associated with the commercial core, older residential neighborhoods near the centre, and burgeoning suburban and exurban areas. It also examines how the three levels of government are involved in shaping and responding to these changes.

UIC-2001(3) COMMUNITY DEVELOPMENT (Le3) This course is an introduction to the idea of community development and community economic development. The course considers the principles and philosophy of community development/community economic development, and examines the key elements of CD/CED including neighborhood revitalization; housing development and rehabilitation; employment development and training; and social enterprise.

CROSS-LISTED: IS-2301(3).

UIC-2020(3) COLONIZATION AND ABORIGINAL PEOPLES (Le3) This course examines the Aboriginal colonial experience, particularly in Western Canada, and the impact colonization has had and continues to have on the relationship between Aboriginal peoples and Canadian governments. This course emphasizes the contemporary effects of colonization, particularly as regards identity issues and how they play out in the urban and inner-city environment, and also processes and strategies for decolonization.

CROSS-LISTED: POL-2020(3) and IS-2020(3).

UIC-2030(3) MANAGEMENT AND FINANCIAL ADMINISTRATION FOR COMMUNITY LEADERSHIP (Le3) As small-scale and not-for-profit structures, community-based and aboriginal organizations often face unique challenges and political/cultural realities in terms of overall management and operations. This course provides students with a good understanding of the key facets of management and administrative structures within the community and aboriginal sectors in particular. Key topics include organizational structures and management controls, financial statements and budgeting, performance measurement, strategic planning

and operations analysis and evaluation.

PREREQUISITES: UIC-1001 or IS-1015

CROSS-LISTED: IS-2030(3) and BUS-2030(3)

UIC-2210(3) INTRODUCTION TO COMMUNITY

ADVOCACY (Le1, S2) The U.S. Civil Rights Movement of the 1960s and the War on Poverty that followed gave rise to a North American advocacy movement. With growing concern that people living in poverty required representation to fully assert their rights, storefront law offices opened in impoverished neighbourhoods and Canada's Legal Aid program was developed. This course examines the history and forms of advocacy from individual to public interest, and different models for providing advocacy services. It explores the role that advocacy plays in influencing public policy, particularly with respect to various social and benefit entitlement programs aimed at responding to urban poverty.

UIC-2220(3) URBAN POVERTY AND POLICY (Le1, S2)

Urban poverty is a growing problem throughout the world, including Canada. It is affected by a wide range of policies. This course examines urban poverty through the lens of these various policies, considering their origins, impact, adequacy and ideological character.

UIC-3001(6) URBAN AND INNER CITY PRACTICUM (Le3, A,P)

This course provides an experiential learning opportunity for students with an inner-city organization. Students spend three hours per week with the organization, observing what takes place, meeting and working with inner-city people and organizations, and taking on work assignments under the direction of the organization's staff and with the support of the course instructor. Course assignments may include, among others, interpretive journals and/or projects prepared for the organization.

PREREQUISITES: UIC-1001(3) and one other Core Course in Urban and Inner-City Studies

UIC-3011(3) INNER-CITY ECONOMIC DEVELOPMENT

(Le3) Popularly understood as low-income neighbourhoods near the city centre, and academically defined as "the commercial core plus adjacent residential areas," the inner city raises profound political questions. Should downtown businesses help deal with the problems of poverty around them? Do efforts by community development organizations to access resources from the commercial core work to the advantage or disadvantage of the neighborhoods? We explore such questions, drawing on both academic and community resources, and addressing such topics as gentrification; corporate responsibility; real estate, rental and land markets in transitional neighborhoods; community land trusts; community banking, red-lining, block-busting, and strategies of community organization.

UIC-3020(3) WOMEN AND THE INNER CITY (Le3) This course explores a number of issues specific to women living in the inner city. We examine the economic, political, and social conditions that influence the lives of diverse populations of women living in the inner city and the various issues and problems associated with their positionings. Within this larger context, special attention is paid to the specific issues and problems related to the experience of urban Aboriginal women, new immigrant women, underemployed women and street-involved women.

CROSS-LISTED: WGS-3020(3).

UIC-3025(3) ISSUES IN SUSTAINABLE CITIES (Le3) This course addresses issues of sustainable urban development. Topics may include the following: world population growth and urbanization in developed and developing countries; the impact of technology, trade, and commercial globalization on urban environments; the degradation of land, water, and air inside of cities and in their bio-regions; the consumption of

fossil fuels and the local and global impact of their combustion; the politics of sustainable urban development; the role of planning and urban administrative practices and policies in environmental degradation and mitigation; and the place of local environmental initiatives in national environmental actions.

PREREQUISITES: GEOG- 2414(3), the former GEOG-2404(6), or UIC 1001(3), or permission of instructor.

CROSS-LISTED: ENV 3025(3)

UIC-3030(3) URBAN AND COMMUNITY PLANNING (Le2,

S1) Urban planning is a process that has importance for the quality of life of those who live in inner-city and downtown neighbourhoods. According to Friedmann, planning is an interdisciplinary field that "links knowledge to action". This course examines traditions, theories and values in planning practice and highlights the important role in planning of civil society and community. Broad approaches to planning in Canada, the USA, and Britain and specific processes and policies in Winnipeg provide students with background on planning systems. The emphasis in this course is on practical knowledge and skills for community organizers.

PREREQUISITES: one of UIC 1001(3), UIC 2001, or GEOG-1103 (3) or permission of instructor.

CROSS-LISTED: GEOG-3432(3).

UIC-3035(3) HUMAN RESOURCE MANAGEMENT FOR COMMUNITY LEADERSHIP (Le3)

Human resource management concepts covered include job analysis, descriptions and specifications with particular emphasis on strategies for recruitment, retention and career advancement of inner-city populations. The course provides an understanding of human resource management within the context of the specific issues facing the inner city and the root causes of under-employment and low rate of participation in the economy in those communities.

CROSSLISTED: IS-3035(3)

UIC-3050(3) IMMIGRATION AND THE INNER CITY (Le3)

This course explores both long-standing and recent questions about immigration and the inner city. Topics include the impact on contemporary inner-city communities of immigration; globalization; international and transnational social and economic developments; and civil wars, internal wars, and violent conflicts. Students' inquiry into the relationship between immigration and the inner city involves an exploration of both early and contemporary discourse on the subject.

UIC-3100(3) ISSUES IN URBAN AND INNER-CITY

STUDIES (Le1, S2) This one-week intensive course is offered on an occasional basis to focus the discussion of students and community resource people on specific issues that are of current interest to academics and practitioners in the field of Urban and Inner-City Studies. The topic will vary from year to year. Please consult the department about specific topics.

UIC-3210(3) COMMUNITY ORGANIZING (S3) This course examines a range of strategies for promoting change in urban settings. Students study theories of, and historical examples of, various kinds of community organizing. Local, national and international cases are examined. Examples may include but are not limited to: neighbourhood-level organizing; feminist approaches to organizing; forms of civil disobedience; lobbying; use of the media in community organizing. Students work in groups to design specific community organizing strategies.

PREREQUISITES: UIC 2001(3) or UIC 2210 (3) or IDS 2110 (3). Cross-listed: IDS 3210 (3).

UIC-3220(6) COMMUNITY ADVOCACY INTERNSHIP (S3)

This course closely examines selected urban poverty-related issues, from a legal, policy and advocacy perspective.

Particular emphasis is placed on appeal mechanisms related to administrative tribunals. Issues examined may vary from year to year, and may include but are not restricted to: employment and income assistance; employment insurance; housing; mental health. Central to the course is a four-month, three hour per week internship with an organization that supports citizens making complaints and appeals related to these areas. Students learn about appeal processes through involvement in actual cases.

PREREQUISITES: two of UIC 2210(3), UIC 2220(3), or UIC 3240(3) and IDS 2110(3).

UIC-3240(3) POVERTY AND THE LAW (Le3) This course focuses on poverty law as it affects the individual and the community. It offers the student insight into the legal and administrative regimes governing the lives of persons of low "or" modest income. From a theoretical and practical perspective, it explains how certain laws may act as barriers to the full participation of disadvantaged persons in a free and democratic society. Finally, the course examines how the law can be used to advance the interests of persons of low and modest incomes.

UIC-3430(3) HOUSING AND THE NEIGHBOURHOOD (Le1, S2) This course examines the complexity of shelter environments within the urban landscape. The focus is on the North American housing market, the history of housing, and the way in which traditional and non-traditional markets are defined and understood. The unique characteristics of the modern city are examined as they are manifested in homelessness, marginal housing forms, shelter-induced poverty, suburban decline and inner-city issues. Emphasis is also placed on current/historical policy and program responses to housing-related issues at the neighbourhood, municipal, provincial and federal level.

CROSS-LISTED: GEOG-3430(3).

UIC-3603(3) WINNIPEG AND THE ENVIRONMENT: A CASE STUDY APPROACH (Le3) This course focuses on the particular problems facing the City of Winnipeg in its interaction with the environment. Students are required to participate in an in-class strategic planning session to select issues and concerns that will become the case study content of the course. Municipal planning initiatives are used to select the issues, to define their scope, and to propose policy and program solutions. The course format involves small interactive group discussions led by the students and facilitated by the instructor. A high level of student participation is expected.

PREREQUISITES: ENV-1600(3), the former ENV-2600(3) or permission of instructor.

UIC-4001(3)/(6) DIRECTED READINGS IN URBAN AND INNER-CITY STUDIES (D) This course provides the student with the opportunity to identify a topic of interest in Urban and Inner-City Studies and to examine the topic in depth under the supervision of a professor who has expertise in that area. This course may be taken more than once for credit if the topics vary. Students may take a maximum of twelve (12) credit hours in directed readings courses. Instructor's permission required.

UIC-4010(3) URBAN POVERTY (S3) Poverty in urban centres has become a serious problem in the late 20th-early 21st centuries. It differs from the urban poverty of earlier generations. What are its distinguishing features? Why has it emerged at the time and in the form that it has? What modes of explanation can best guide us to a better understanding of this poverty? This course attempts to answer such questions, examining some theoretical works that address contemporary urban poverty.

PREREQUISITES: A minimum of 6 credit hours in UIC courses or permission of instructor.

UIC-4020(3) INNER-CITY WORKSHOP (S3) This course combines theory and practice in the study of the dynamics of low-income inner-city communities. The course includes an examination of some recent literature on the phenomenon of low-income inner cities. It also features a practicum placement--- three hours per week---with an inner-city community-based organization, and a term paper based on primary research on an inner-city topic, preferably related to the practicum assignment. Students develop research skills in a hands-on fashion, while being exposed to the practical realities of day-to-day life in the inner city.

PREREQUISITES: Student must have taken two other UIC courses

UIC-4445(3) URBAN ABORIGINAL SEMINAR (S3) This seminar examines selected topics dealing with urban Aboriginal issues. Topics may include the viability of urban Aboriginal governance, urban reserves, and Aboriginal education and economic development issues in the inner city. The issue of differing conceptions of Aboriginal representation and identity held by various Aboriginal organizations is a particularly challenging and contentious issue in the urban context. The portability and applicability of Aboriginal and treaty rights in the urban environment may also be explored. We may also analyze the unique problems created by the range of jurisdictional responsibilities towards Aboriginal people in the urban environment.

PREREQUISITES: A minimum of 6 credit hours in UIC courses or permission of instructor.

EXPERIMENTAL COURSES IN THE CORE

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

UIC 1002(3) ISSUES IN THE INNER CITY: AN INTRODUCTION (Le3) The inner city, a post-war phenomenon unique to North America, is of interest to urban studies because it focuses our attention on the margins and on issues of social justice. This course is offered on an occasional basis to respond to specific requests from the inner-city community, and/or to take advantage of opportunities to examine trends or concerns that arise in the inner city. The topic covered may vary from year to year. Students should consult the Department of Urban and Inner-City Studies in any given year. If the topic is different from one they have previously taken, they are permitted to enroll in the course and receive credit.

UIC 1010(3) KISKENITAMOWIN: WAYS OF KNOWING (S3) Large numbers of Indigenous peoples settling in Winnipeg, and in core neighbourhoods, suggest that students studying urbanism need to be aware that the city and critical issues in the inner city can be interpreted differently. This course offers an introduction to Kiskenitamowin or ways of knowing through active participation in strategies that facilitate the production of Aboriginal knowledges and through comparisons with Euro-American ways of knowing. By taking part in basic ceremonies and related practices, students gain an understanding of how First Peoples of Manitoba relate to each other, to the land, to other animals, and to the world.

UIC-2515(3) HISTORY OF EDUCATION IN WINNIPEG'S INNER CITY (Le3) This course examines the history of education in Winnipeg's North End and broader inner city, from the early 20th century to today. Particular attention is paid to those who have come to be identified as the "Other": eastern European immigrants early in the 20th century; Aboriginal people and newcomers today. The relationship

between poverty and educational outcomes is closely examined. Also emphasized are innovative educational strategies that have emerged in the inner city and that have been demonstrated to work well in improving educational outcomes.

UIC-3002(3)/ (6) DIRECTED READINGS IN URBAN AND INNER-CITY STUDIES This course provides the student with the opportunity to identify a topic of interest in Urban and Inner-City Studies and to examine the topic in depth under the supervision of a professor who has expertise in that area. This course may be taken more than once for credit if the topics vary. Students may take a maximum of twelve (12) credit hours in directed readings courses at the 3000 and 4000 level. Instructor's permission required.

UIC- 4210(3) NEW URBAN WORLDS (S3) This course provides an interdisciplinary perspective on the economic, cultural and political contexts of contemporary urban change and their implications for new urban social movements, polarization and inequality, difference, and neighbourhood change. The varied impacts on inner city areas will be especially emphasized. Although the focus is on northern cities, some examples from the global south will be used to provide a context.

PREREQUISITES: A minimum of 6 credit hours in UIC courses or permission of instructor.

WOMEN'S AND GENDER STUDIES (WGS)

Updated March 8, 2013

Note: The department code WGS for Women's and Gender Studies replaces the former WOM and 95. Students cannot hold credit in more than one WGS, WOM or 95 course having the same course number (e.g., WGS-1232(6), WOM-1232(6), or 95.1232(6)).

Chair: Associate Professor Angela Failler; **Faculty:** Professor: Fiona Green, Pauline Greenhill; **Associate Professors:** Roewan Crowe,

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA
Minor

INTRODUCTION

The University of Winnipeg offers three degree options for an interdisciplinary Major in Women's and Gender Studies: a 3-Year BA, a 4-Year BA, and an Honours BA. We also offer a Minor. The Department fosters an awareness and appreciation of the realities and diverse experiences of women, men, and trans folks, and develops a critical consciousness of the societal inequalities affecting people, including those based on gender, race, class, age, disability, sexual orientation, and ethnicity.

The Women's and Gender Studies Department is interdisciplinary, drawing significant connections among disciplines. It is also multidisciplinary, bringing together studies of sex, gender and sexuality with analyses by specialists in various other disciplines. Directly linked with the Department of Women's and Gender Studies is the Institute for Women's and Gender Studies, a centre for art, research and activism.

Women's and Gender Studies promotes an intersectional approach to understanding social problems and phenomena. It pays special attention to the ways sex, gender and sexuality are shaped by colonialism, racism, ageism, homophobia and transphobia, as well as by constructions of difference based on class, (dis)ability, religion, ethnicity and culture, among others. Our department brings these perspectives to the university, and represents feminism in the academy. In our classes, students learn about feminist movements to end sexism and related social oppressions. The department encourages diversity among its students, welcoming women, men and trans identified persons from all cultural backgrounds. Through our curriculum, we also offer the means to contribute to social change.

Currently, there is a demonstrated need for people with training in Women's and Gender Studies to take up work in such areas as social services, education, policy development, welfare, health care, counselling and therapy, law, media, advertising, public administration, politics, finance and management. In addition, a Women's and Gender Studies Honours degree prepares students for graduate studies.

REQUIREMENTS FOR A 3-YEAR BA IN WOMEN'S AND GENDER STUDIES

ADMISSION REQUIREMENT	Students must consult with a member of the Department in planning their course of study.
GRADUATION REQUIREMENT	90 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 30 credit hours
Major:	Minimum 18 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 36 credit hours/Maximum 48 credit hours.
Double Major:	36 credit hours in Women's and Gender Studies and specified number of credit hours in the other department/program.
Required courses:	WGS-1232(6) Introduction to Women's and Gender Studies WGS-3301(3) Feminisms: Background and Fundamentals WGS-3302(3) Feminisms: Current Perspectives
It is strongly recommended that students take	WGS-3200(6) Feminist Research Methodologies Seminar.

Combined Major:	Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.
Prescribed courses:	WGS-1232(6) Introduction to Women's and Gender Studies WGS-3301(3) Feminisms: Background and Fundamentals WGS-3302(3) Feminisms: Current Perspectives

Suggested Sequence of courses for 3-Year BA assuming 5 full courses for three years (with requirements underlined):

Year 1	<u>WGS-1232(6)</u> Introduction to Women's and Gender Studies 6 credit hours of Academic Writing – 3 at 1000 level plus 3 at 1000 or 2000 level 12 credit hours of 1000 level Humanities courses in at least TWO different departments An additional 6 credit hours of Women's and Gender Studies courses at the 2000 level
Year 2	<u>WGS-3301(3)</u> Feminisms: Background and Fundamentals <u>WGS-3302(3)</u> Feminisms: Current Perspectives 6 credit hours of University Science requirement 6 credit hours of Women's and Gender Studies courses at the 2000 level 6 credit hours of Women's and Gender Studies courses at the 3000 level An additional 6 credit hours elective (your choice)
Year 3	WGS 3200(6) Feminist Research Methods Seminar 12 credit hours of Women's and Gender Studies courses at the 2000, 3000, or 4000 level An additional 12 credit hours elective (your choice) outside WGS

REQUIREMENTS FOR A 4-YEAR BA IN WOMEN'S AND GENDER STUDIES

ADMISSION REQUIREMENT	Minimum 30 credit hours completed previously. Students should consult with the Chair or a Women's and Gender Studies advisor in planning their programs.
GRADUATION REQUIREMENT	120 credit hours
RESIDENCE REQUIREMENT	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
GENERAL DEGREE REQUIREMENT	
Humanities:	12 credit hours in Humanities
Science:	6 credit hours in Science
Social Science:	12 credit hours in Social Science
Writing:	Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses:	Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution:	Minimum 3 credit hours from each of 5 different subjects.
MAJOR REQUIREMENT	
Single Major:	Minimum 48 credit hours/ Maximum 66 credit hours from Women's and Gender Studies.
Double Major:	Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates:	Minimum 18 credit hours/Maximum 36 credit hours.
Major and Cognate Courses:	Minimum 66 credit hours. Cognate Requirement is in addition to Major Requirement minimum 48 credit hours, with the total Cognate and Major Requirements meeting the minimum 66 credit hours.
Maximum Required courses:	Maximum total of cognate and major courses is 84 credit hours combined. Minimum 48 credit hours of Women's and Gender Studies courses from: WGS-1232(6) Introduction to Women's and Gender Studies WGS-3301(3) Feminisms: Background and Fundamentals WGS-3302(3) Feminisms: Current Perspectives It is strongly recommended that students take WGS-3200(6) Feminist Research Methodologies Seminar.
Additional Information:	Qualified students may take most 4000-level courses which require a minimum of 3.0 GPA (B) in major courses.
Combined Major:	Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.
Prescribed courses:	WGS-1232(6) Introduction to Women's and Gender Studies WGS-3301(3) Feminisms: Background and Fundamentals WGS-3302(3) Feminisms: Current Perspectives

Suggested Sequence of courses for 4-Year BA assuming 5 full courses for four years (with requirements underlined):

Year 1	WGS-1232(6) <u>Introduction to Women's and Gender Studies</u> 6 credit hours of Academic Writing – 3 at 1000 level plus 3 at 1000 or 2000 level 12 credit hours of 1000 level Humanities courses in at least TWO different departments An additional 6 credit hours of Women's and Gender Studies courses at the 2000 level
Year 2	WGS-3301(3) <u>Feminisms: Background and Fundamentals</u> WGS-3302(3) <u>Feminisms: Current Perspectives</u> 6 credit hours of University Science requirement 6 credit hours of Women's and Gender Studies courses at the 2000 level 6 credit hours of Women's and Gender Studies courses at the 3000 level 6 credit hours of 1000 level Social Science courses
Year 3	WGS 3200(6) <u>Feminist Research Methods Seminar</u> 12 credit hours of Women's and Gender Studies courses at the 2000, 3000, or 4000 level 6 credit hours of 1000 or 2000 level Social Science courses in a DIFFERENT department than in year two 6 credit hours elective (your choice) outside WGS
Year 4	12 credit hours of Women's and Gender Studies at the 2000, 3000, or 4000 level 18 credit hours elective (your choice) outside WGS

REQUIREMENTS FOR AN HONOURS BA IN WOMEN'S AND GENDER STUDIES

ADMISSION REQUIREMENT	Minimum 30 credit hours completed previously. Minimum GPA in Honours subject of 3.0 and minimum GPA in Non-Honours subjects of 2.5. Students should consult with the Chair or a Women's and Gender Studies advisor in planning their programs.
GRADUATION GPA REQUIREMENT	120 credit hours Continuing and graduation minimum GPA is 3.0 (B) in Honours subject courses and 2.5 (C+) in Non-Honours subject courses. The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours subject courses. The minimum 2.5 GPA (C+) in all Non-Honours courses will be calculated as for the BA General degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).
RESIDENCE REQUIREMENT	Degree: Minimum 60 credit hours Honours: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level.
GENERAL DEGREE REQUIREMENT	Humanities: 12 credit hours in Humanities Science: 6 credit hours in Science Writing: Minimum 3 credit hours of Academic Writing Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. Distribution: Minimum 3 credit hours from each of 5 different subjects.
HONOURS REQUIREMENT	Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in Women's and Gender Studies. Minimum 18 credit hours at 4000 level in Women's and Gender Studies. Double Honours: Minimum 36 credit hours in each Honours subject. Minimum 36 credit hours/Maximum 78 credit hours in Women's and Gender Studies. Minimum 15 credit hours in 4000-level Women's and Gender Studies Courses. For the requirements of the other Honours subject, consult the department or program involved.

Required courses:

Minimum 54 credit hours of Women's and Gender Studies with at least 18 credit hours at 4000 level:

WGS-1232(6)	Introduction to Women's and Gender Studies
WGS-3301(3)	Feminisms: Background and Fundamentals
WGS-3302(3)	Feminisms: Current Perspectives
WGS-3200(6)	Feminist Research Methodologies Seminar

It is **strongly recommended** that WGS Honours students **take at least one** of the following:

WGS-4232(3)	WGS Senior Seminar
WGS-4200(3)	Advanced Feminist Theory, or
WGS-4000(9)	WGS Practicum

Suggested Sequence of courses for BA Honours assuming 5 full courses for four years (with requirements underlined):

Year 1	<u>WGS-1232(6)</u> Introduction to Women's and Gender Studies 6 credit hours of Academic Writing – 3 at 1000 level plus 3 at 1000 or 2000 level 12 credit hours of 1000 level Humanities courses in at least TWO different departments An additional 6 credit hours of Women's and Gender Studies courses at the 2000 level
Year 2	<u>WGS-3301(3)</u> Feminisms: Background and Fundamentals <u>WGS-3302(3)</u> Feminisms: Current Perspectives 6 credit hours of University Science requirement 6 credit hours of Women's and Gender Studies courses at the 2000 level 6 credit hours of Women's and Gender Studies courses at the 3000 level 6 credit hours of 1000 level Social Science courses
Year 3	<u>WGS 3200(6)</u> Feminist Research Methods Seminar 6 credit hours of Women's and Gender Studies courses at the 2000 or 3000 level 6 credit hours of Women's and Gender Studies courses at the 4000 level 6 credit hours of 1000 or 2000 level Social Science courses in a DIFFERENT department than in year two 6 credit hours elective (your choice) outside WGS at 2000 level or higher
Year 4	15 credit hours of Women's and Gender Studies at 4000 level 15 credit hours of Women's and Gender Studies at 2000, 3000, or 4000 level

REQUIREMENTS FOR A MINOR IN WOMEN'S AND GENDER STUDIES

Degree:	Students must complete a 4-year degree program in order to be eligible to hold a Minor.
Minor:	18 credit hours in the Minor subject, with a minimum of 12 credit hours above the 1000-level.
Residence Requirement:	Minimum 12 credit hours in the Minor subject.
Required Courses:	WGS-1232 (6) Introduction to Women's & Gender Studies WGS-3301 (3) Feminisms: Background and Fundamentals WGS-3302 (3) Feminisms: Current Perspectives 6 credit hours of Women's & Gender Studies courses of the student's choice
Restrictions:	Students cannot declare the same subject as a Major and a Minor.

GENERAL INFORMATION

Students are advised to consult the Women's and Gender Studies Chair and current timetable listings for information regarding courses with Women's and Gender Studies content.

Collegiate students who successfully complete 41G (Women's Studies) and who go on to post-secondary studies at The U of W can claim this course as a university credit for **WGS-1232(6)** Introduction to Women's and Gender Studies.

UW Women's and Gender Studies accepts WGS courses from the University of Manitoba which will be credited towards a degree at the University of Winnipeg. For further details, please see the Chair of Women's and Gender Studies.

The following WGS courses can count for the University of Winnipeg Humanities requirement.

WGS-1232(6)	Introduction to Women's and Gender Studies	WGS-2260(6)	Girls, Women and Popular Culture
		WGS-3005(3)	Gender in Fairytale Film and Cinematic Folklore
WGS-2001(3)	Gender & Folklore: A Survey		Feminist Cultural Productions
WGS-2251(6)	Gender, Race and Nation in Canada	WGS-3040(6)	
WGS-2256(3)	New Media, Culture Jamming and the Third Wave		

The following WGS courses can count for the University of Winnipeg Social Science requirement.

WGS-1232(6)	Introduction to Women's and Gender Studies	WGS-2416(3)	Sex, Gender, Space and Place
		WGS-3003(3)	Sex, Sexuality and Science
WGS-2251(6)	Gender, Race and Nation in Canada	WGS-3004(3)	Women, Health and the Environment
WGS-2256(3)	New Media, Culture Jamming and the Third Wave	WGS-3020(3)	Women and the Inner City
		WGS-3200(6)	Feminist Research Methodologies Seminar
WGS-2260(6)	Girls, Women and Popular Culture		

COURSE LISTINGS

WGS-1232(6)	Introduction to Women's and Gender Studies	WGS-2260(6)	Girls, Women and Popular Culture
		WGS-2262(3)	Sex, Sexuality, Gender and Audiovisual Media
WGS-2001(3)	Gender & Folklore: A Survey		
WGS-2251(3)	Gender, Race and Nation in Canada	WGS-2270(3)	Food Cultures, Sex, and Gender
WGS-2256(3)	New Media, Culture Jamming and the Third Wave	WGS/GEOG/ENV-2416	Sex, Gender, Space and Place
WGS-2258(6)	Boys, Men, and Masculinities on Film		

WGS/ENGL-2912(3)	Women Writers After 1900	WGS/ENV-3004(3)	Women, Health and the Environment
WGS/ENGL-2922(3)	Topics in Women Writers	WGS-3005(3)	Gender in Fairytale Film and Cinematic Folklore
WGS-3003(3)	Sex, Sexuality and Science	WGS-3571(3)	History of Feminism in Canada
WGS/UIC-3020(3)	Women and the Inner City	WGS/HIST/IS-3523(3)	Aboriginal Women's 20 th Century History
WGS-3040/4040(6)	Feminist Cultural Production	WGS-3601/ENGL-3901(6)	Queer Literature, Culture & Theory
WGS/RHET-3153(3)	Studies in the Rhetorics of Gender	WGS-3900(6)	Directed Readings
WGS-3200(6)	Feminist Research Methodologies Seminar	WGS-3901(3)	Directed Readings
WGS/SOC-3212(6)	Sociology of the Body	WGS-4000(9)	Women's & Gender Studies Practicum
WGS/CRS-3242(3)	Women and Peacemaking	WGS-4004(3)	Cultural Studies and Feminism
WGS-3301(3)	Feminisms:Background and Fundamentals	WGS-4100(6)	Queer Studies in the Global Postmodern
WGS-3302(3)	Feminisms: Current Perspectives	WGS-4200(3)	Advanced Feminist Theory
WGS-3500(6)	Special Topics in Women's & Gender Studies	WGS-4232(3)	Practical Feminisms
WGS-3501(3)	Special Topics in Women's & Gender Studies	WGS-4400(6)	Advanced Topics
		WGS-4401(3)	Advanced Topics
		WGS-4500(6)	Honours Thesis and Colloquium
		WGS-4900(6)	Directed Readings
		WGS-4901(3)	Directed Readings

COURSE DESCRIPTIONS

WGS-1232(6) INTRODUCTION TO WOMEN'S AND GENDER STUDIES (Le1.5, S1.5) This course is an introduction to the theories, methods, and issues of Women's and Gender Studies, focusing on contemporary feminist scholarship and movement in North America. It explores how gender intersects with systems of power and inequality including sexism, colonialism, racism, homophobia, transphobia and class discrimination to shape lived experience. It builds on the premise that sex, gender and sexuality are inextricable from other social differences such as race, ethnicity, religion, language, age, and (dis)ability in the construction of identity. Course materials drawn on include scholarly literature, case studies, fiction, new media, film and video, art, and feminist cultural production. **RESTRICTIONS:** Students with standing in WGS-1232(6) may not receive credit for the former 2332(6).

WGS-2001(3) GENDER AND FOLKLORE: A SURVEY (L1.5, S1.5) This interdisciplinary course introduces students to the concepts of folklore and gender and their interrelationships. It looks at representations of gender and gendered uses of folklore. It considers relationships between traditional, popular, and mass cultures, with a focus on how gender is expressed and communicated in and by them. It examines folklore as a mode of communication.

WGS-2251(3) GENDER, RACE AND NATION IN CANADA (Le1.5, S 1.5) This interdisciplinary course explores the work of feminist academics, activists and artists/cultural producers to investigate what it means to say "I am Canadian." Through an interlocking feminist frame of analysis/frame of praxis that examines the intersections of gender, race, class, and sexuality, we work to develop an understanding of transnational feminist citizenship. In our explorations, we locate ourselves in our own differing Canadian contexts, examining our own social locations and practices. Topics include concepts such as home, belonging, colonization, decolonization, sovereignty, exile, nation, nationalism,

multiculturalism, marginalization, exclusion, citizenship, cultural activism, democracy and resistance. Topics vary. **PREREQUISITES:** WGS-1232(6) OR permission of the instructor.

WGS-2256(3) NEW MEDIA, CULTURE JAMMING and the THIRD WAVE (Le1.5, S1.5) This course is an introduction to new media and culture jamming in the context of Third Wave feminism. It explores how feminists today are using new media technologies including hypertext, blogs, gaming, on-line 'zines, and digital audio/video in the "virtual praxis" of feminism. It also examines how feminist culture jamming works to resist the occupation of public space and imagination by conservatism and the mainstream media. Course materials focus on the transformative potential of new media and culture jamming as tools for social change.

WGS-2258(6) BOYS, MEN AND MASCULINITIES ON FILM (Le1.5, S1.5) This course examines myths, theories, and images of boys and men that shape how they are represented and how they represent themselves in popular culture, particularly in feature films. Using feminist, queer, trans, and cultural studies theories, we look, for example, at how political and material conditions influence representation. We focus on North American masculinities, examining gender, race, class, age, sexuality, nationality, ethnicity, ability, and other categories of identity. Film genres considered may include westerns, comedies, and action and topics considered may include work, health, relationships, media, and violence.

WGS-2260(6) GIRLS, WOMEN AND POPULAR CULTURE Le1.5, S1.5 This course examines some of the myths, theories and images of girls and women that shape how they are represented and how they represent themselves in popular culture. In addition to studying popular culture via feminist theory and cultural studies, the ways in which political and material conditions influence the representation of girls and women are examined. While this course primarily

examines North American popular culture, gender, race, class, age, sexuality, ethnicity, nationality, ability, and other categories of identity are also considered. Areas of study include myths of romantic love, images of the body and women in action.

WGS-2262(3) SEX, SEXUALITY, GENDER AND AUDIOVISUAL MEDIA (Le1.5,S1.5) Using multidisciplinary and interdisciplinary perspectives, this course addresses how gendered analysis, primarily feminist but also queer, postmodern, postcolonial, and critical race theory, illuminates audiovisual media, particularly film and television. The course explores the transformative potential of audiovisual media to re-imagine hegemonic and mainstream notions of sex, sexuality, and gender. For all media, the course examines genres, creators, audiences, performers and texts. Possible topics include soap operas and horse operas, documentaries and reality tv, intercultural cinema, transnational video art, cinematic transgender and transbiology, and representations of violence.

WGS-2270(3) FOOD CULTURES, SEX, AND GENDER. (Le1.5/S1.5) Using multidisciplinary and interdisciplinary perspectives, this course addresses how gendered analysis, including feminist, queer, postmodern, postcolonial, and critical race theory illuminates the cultures of food and food's complex relation to human societies. The course examines such topics as cross-cultural perspectives on eating behaviours; gender and food systems; recipes, cookbooks, and menus as texts; food and the body; social construction of culinary practices, beliefs, and traditions; politics of family and meals; psychological, cultural, and social determinants of taste; malnutrition, hunger, and food security; food in fiction, film, and art; social and cultural dimensions of food technologies; and the political economy of the global food system.

WGS-2416(3) SEX, GENDER, SPACE AND PLACE (Le3) This course examines, from interdisciplinary perspectives including those of Women's and Gender Studies, Geography and Environmental Studies, relationships among sex, gender, space and place in societies, cultures, environments and ecosystems. Selected relevant topics will be considered, such as ecofeminism, the cultural politics and political geography of sex and sexual identities, the gendering and sexing of city landscape and architecture, notions of public and private space, and the space/place in the sociocultural construction of femininity and masculinity. We will consider how sex, gender, race, ethnicity, class, sexuality and other aspects of identity affect the transformation of space into place.
PREREQUISITES: GEOG-1102(3) AND GEOG-1103(3) OR ENV-1600(3) OR WGS-1232(6) OR permission of instructor.
CROSS-LISTED: Geography GEOG-2416(3) and Environmental Studies ENV-2416(3).

WGS-2912(3) WOMEN WRITERS AFTER 1900 (Le3) This course offers a select survey of women writers and feminist theory from 1900 to the present. Lectures and discussion provide historical, cultural, political, and artistic contexts in which to consider women as authors, subjects and readers. The course also considers the role gender plays in such post-1900 literary and cultural movements as modernism, postmodernism and postcolonialism.
PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).
CROSS-LISTED: ENGL-2912(3).

WGS-2922(3) TOPICS IN WOMEN WRITERS (Le3) This course focuses on a topic in the field of women writers which varies from year to year. The topic area may be defined by genre, historical period, literary and cultural movement, or local, national or global communities. Students should consult the English Department website for information about specific iterations of the course. This course may be repeated for credit when the topic varies.
PREREQUISITES: 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-1000(3).
CROSS-LISTED: ENGL-2922(3).

WGS-3003(3) SEX, SEXUALITY AND SCIENCE (S2, Le1) This course raises feminist questions about how science and scientists address concepts of sex and sexuality. We investigate how concepts of human sex have been constructed, and more specifically, how women's biology has been invented and understood by scientists and the medical profession, focussing particularly on current thinking. We examine the various outcomes and repercussions of these narratives of biological sex for women and men. We address both the ways these perceptions of sex and sexuality can influence the lives of women and men, and various strategies currently used to challenge these attitudes and practices.
PREREQUISITES: WGS-1232(6) OR the former WGS-2301(3) OR permission of the instructor.
RESTRICTIONS: Cannot be taken for credit with WGS-2300(3) unless permission has been obtained from the Chair of Women's and Gender Studies.

WGS-3004(3) WOMEN, HEALTH AND THE ENVIRONMENT (S2, Le1) This course introduces students to a number of pertinent issues and questions feminists are dealing with when considering women, health and the environment. We investigate how women, health and the environment intersect and explore some of the repercussions of particular environmental situations (including, but not limited to, environmental pollution, nuclear radiation, and synthetic hormones) on women's physical, emotional, spiritual and psychological health. We also study the ways in which feminists are researching and calling attention to the injustice of environmental degradation on women's health and various feminist strategies developed in challenging dangerous environmental practices.
PREREQUISITES: WGS-1232(6) OR the former WGS-2300(3) OR the former WGS-2301(3) OR permission of the instructor.
CROSS-LISTED: Environmental Studies ENV-3004(3).

WGS-3005(3) GENDER IN FAIRYTALE FILM AND CINEMATIC FOLKLORE (L1, S2) Fairy tale film (movie or TV versions of international wonder tales) and cinematic folklore (representations of other traditional genres in film) express notions of gender that have multiple implications for their creators and audiences. Using feminist film theory, we explore filmed versions of traditional culture primarily for adults. Topics include postmodern and psychoanalytic perspectives; metamorphosis, enchantment, monstrosity, and abjection; transgender and transbiology; the rise in popularity of adult fairy tale film; analyses of particular auteurs; adaptation theory; genre and generational shifts and remixes; historic and contemporary perspectives on innovative cinematography and special effects; and/or contemporary iconography.
PREREQUISITE: WGS-1232(6) OR WGS-2001(3) OR the former WGS 2002(3) OR ENGL-2114 OR permission of instructor.

WGS-3020(3) WOMEN AND THE INNER CITY (Le1.5 S1.5)

This course explores a number of issues specific to women living in the inner city. We examine the economic, political, and social conditions that influence the lives of diverse populations of women living in the inner city and the various issues and problems associated with their positionings.

Within this larger context, special attention is paid to the specific issues and problems related to the experience of urban Aboriginal women, new immigrant women, underemployed women and street-involved women.

CROSS-LISTED: Urban and Inner City Studies UIC-3020(3).

WGS-3040/4040(6) FEMINIST CULTURAL

PRODUCTIONS (S3) This interdisciplinary course explores a wide range of cultural practices such as performance, poetry, zines, crafting, street art, video and film, radio, spoken word, comics, and hypertext, to develop connections among artistic practices and feminist theory. To understand the economic, political, and social conditions that women artists face, we investigate cultural production by women artists and critically engage a wide range of feminist culture and practices. We explore concepts such as interpretation, representation, cultural production, appropriation, censorship, voice, the body, identity, cultural democracy, and cultural resistance. Topics may vary. Students develop their own creative work.

PREREQUISITE: WGS-1232(6) OR permission of instructor.

WGS-3153(3) STUDIES IN THE RHETORICS OF GENDER

(Le3) This course focuses on issues growing from the complex interaction of gender and language use, with a particular focus on written texts. Beginning with an overview of research on the relationship between gender and communicative behaviour, including feminist critiques of language, it considers such topics as the following: the rhetorics of the women's movement and of contemporary men's movements; verbal (and, to a lesser extent, visual) constructions of masculinity and femininity in advertising and the media; innovative uses of language which resist and subvert prevailing conceptions of appropriate communicative behaviour; and the rhetoric of public debates over issues such as abortion and reproductive technologies, in which gender is a central factor.

PREREQUISITES: RHET-1105(3) OR RHET-1110(6) OR exemption from the writing requirement and completion of 30 credit hours. Students taking a Major in Rhetoric and Communications must complete RHET-1105(3) OR RHET-1110(6) before taking this course.

CROSS-LISTED: Rhetoric, Writing, and Communications RHET-3153(3).

WGS-3200(6) FEMINIST RESEARCH METHODOLOGIES

SEMINAR (S3) This course takes students through the process of conducting a feminist research project. Steps include choosing a topic, obtaining bibliographic background, learning about and choosing among a variety of research methods, writing a research proposal which will be passed through the Women's and Gender Studies Ethics Committee, following Senate Committee on Ethics in Human Research and Scholarship procedures, conducting preliminary research, and presenting preliminary results. Discussions of readings, seminars on a variety of readings on different feminist research methods, and workshops on how to apply those research methods comprise the main content. **PREREQUISITE:** WGS-1232(6).

RESTRICTIONS: Students with standing in WGS-3200(6) may not receive credit for the former WGS-2232(6).

WGS-3212(6) SOCIOLOGY OF THE BODY (Le3, S3) The focus of this course is the body, not in its biological sense but in its social sense: the body as a social construction.

Every society within a given historical period develops specific meanings for the forms, functions, and movements of the body. This course will examine the human body from a number of different perspectives and study the body as a site of social interaction. This course will survey the history of thinking about the body, the body as a reflection of society and theories of corporeal representation.

PREREQUISITE: WGS-1232(6), SOC-1101(6) OR permission of instructor.

CROSS-LISTED: Sociology SOC-3212(6).

WGS-3242(3) WOMEN AND PEACEMAKING (Le3)

This course addresses, from an interdisciplinary perspective, both theoretical and practical contributions that women have made to peacemaking in the modern world. It includes analysis of women's involvement in peace action, research, and education. Attention is given to the challenges that activists face in organizing around their identity as women, such as the challenge of building common ground among women with varied experiences and concerns.

PREREQUISITE: CRS-1200(6) OR WGS-1232(6) OR permission of CRS Coordinator or Women's and Gender Studies Chair.

CROSS-LISTED: Conflict Resolution Studies CRS-3242(3).

WGS-3301(3) FEMINISMS: BACKGROUND AND

FUNDAMENTALS (L1, S2) This primarily seminar course provides an overview of historical feminist concepts and their implications for feminist practice through a combination of lectures, presentations, films, and seminar discussions. The course addresses feminist thought from its cross-cultural beginnings to its more recent forms and the bases, background, and fundamentals needed to understand current feminisms and feminist theorising. We look at gender-based critiques of traditional disciplines and their concepts, as well as the development of issues currently of concern to feminisms, including such areas as colonialism, racism, homophobia, and sexualities.

PREREQUISITE: WGS-1232(6).

RESTRICTIONS: Students with standing in WGS-3301(3) may not receive credit for the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6).

WGS-3302(3) FEMINISMS: CURRENT PERSPECTIVES

(Le1, S2) This primarily seminar course delves into contemporary feminist theories and their implications for feminist practice through a combination of lectures, presentations, films, and seminar discussions. The course addresses emerging feminist concepts and current issues of concern to feminist theorizing. It offers a broad overview, or focuses on a particular topic such as theories of the body, post-colonial feminist theories, and queer and trans theorizing of gender.

PREREQUISITE: WGS-1232(6).

RESTRICTIONS: Students with standing in WGS-3302(3) may not receive credit for the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6), EXCEPT WITH CHAIR'S PERMISSION.

WGS-3500(6) SPECIAL TOPICS IN WOMEN'S & GENDER

STUDIES (S2, Le1) This course focuses on a specific theme, author, movement, approach or theory in Women's and Gender Studies. Students should consult with the

Women's and Gender Studies Department for details.

PREREQUISITES: WGS-1232(3)..

WGS-3501(3) SPECIAL TOPICS IN WOMEN'S & GENDER STUDIES (S2, Le1)

This course focuses on a specific theme, author, movement, approach or theory in Women's and Gender Studies. Students should consult with the Women's and Gender Studies Department for details.

PREREQUISITES: WGS-1232(6)..

WGS-3523(3) ABORIGINAL WOMEN'S TWENTIETH CENTURY HISTORY (Le, S3)

This course examines Métis, Inuit and First Nations women's history in Canada. The course covers a variety of themes, including Indigenous women's health, labour and education history; histories of sexual, legal, and social regulation of Indigenous women; and formal, informal, local and national women's organizations. Students also engage in historical interpretation of a variety of different kinds of historical evidence and consider the creative work of Indigenous women in diverse cultural fields including art, film, music and literature.

CROSS-LISTED: History HIST-3523(3), Indigenous Studies IS-3523(3).

WGS-3571(3) HISTORY OF FEMINISM IN CANADA (Le3)

This course examines the history of feminism, focusing on the Canadian experience set within the broader context of North America and the West. It will consider the changing goals, methods of organizing, adherents, societal responses and impact during each of the three waves of feminism. Along the way, it will explore biographical history of key Canadian and Western feminists. The course gives equal time to lectures and to class discussion and, as such, depends on the active and regular participation of students.

CROSS-LISTED: History HIST-3571(3).

WGS-3601(6) QUEER LITERATURE, CULTURE AND THEORY (Le3)

This course offers a survey of lesbian, gay, transgender, and queer literary and cultural production. In addition to examining novels, poems, films, and plays, students read critical essays, queer theory, and case studies from the field of sexology. Some attention is paid to the historical development of categories such as "gay," lesbian," and "transgender"; the history of gay liberation and AIDS activism, and the relationship between the gay liberation movement and other social justice movements.

PREREQUISITES: 6 credit hours of First-Year English.

CROSS-LISTED: English ENGL-3601(6).

WGS-3900(6) DIRECTED READINGS (D) This course provides a student at the third year level with the opportunity, in close consultation with a professor, to pursue in depth a selected area of Women's Studies.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) and permission of the Chair of Women's and Gender Studies and of the instructor.

RESTRICTIONS: Students may take a maximum of 12 credit hours of Directed Readings towards the degree.

WGS-3901(3) DIRECTED READINGS (D) This course provides a student at the third year level with the opportunity, in close consultation with a professor, to pursue in depth a selected area of Women's and Gender Studies.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6)

OR 3232(6) and permission of the Chair of Women's and Gender Studies and of instructor.

RESTRICTIONS: Students may take a maximum of 12 credit hours of Directed Readings towards the degree.

WGS-4000(9) WOMEN'S AND GENDER STUDIES PRACTICUM (S1.5, P1.5)

Students engage in a feminist practicum project with a Manitoba organization involved in feminist work. The first term(3 credit hours) is spent linking issues of feminist theory and practice, and developing a meaningful work project with the organization. In the second term(6 credit hours), students complete the work project, meet periodically with the class to report on progress, and share strategies and knowledge. Students present their final report at the W&GS Colloquium. The nature of the project is decided by the student, in consultation with their instructor and practicum supervisor. Students arrange their own placement with an organization, subject to instructor approval.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) and permission of the instructor.

WGS-4004(3) CULTURAL STUDIES AND FEMINISMS (S3)

The field of cultural studies has been shaped by encounters between several forms of inquiry including but not limited to feminist critique, class-conscious ethnic and critical race studies, psychoanalysis, anthropology, sociology, education, folklore studies, indigenous, postcolonial, and diasporic studies, as well as studies in communications and media, literature, visual arts, and the performing arts. This seminar style course highlights feminist engagements with the interdisciplinary field of cultural studies. Specific themes in the course vary by instructor.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) AND permission of Department Chair or Instructor.

RESTRICTIONS: Students may not receive credit for this course and the former WGS-4000(3), POL-4415(6) OR the former ANTH-4106(3).

WGS-4100(6) QUEER STUDIES IN THE GLOBAL POSTMODERN (S3)

This course introduces queer theories in the context of global postmodern culture. It builds on the premise that sex, gender, and sexuality intersect with other relations such as class, disability, race, ethnicity, citizenship, language, and religion. Course materials trace foundational texts in queer theory from feminist, poststructuralist, and gay and lesbian studies, as well as developments that have emerged in light of bisexual, transgender, indigenous, postcolonial, and diasporic critiques. This course also insists upon the relevance of queer studies for considering conflicts of national and trans-national consequence including neo-colonialism, globalization, citizenship, immigration, war, terrorism, and human rights.

PREREQUISITE: WGS-3301(3) OR WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) OR SOC-3101(6) OR SOC-3128(3) OR permission of Department Chair and Instructor.

WGS-4200(3) ADVANCED FEMINIST THEORY (S3) This course provides a forum for the exploration of complex and crucially significant texts and topics in feminist theory, and seeks to strengthen the ways students understand theory as

interactive with learning, research, policy and practice.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) OR permission of the Chair or designate.

WGS-4232(3) PRACTICAL FEMINISMS (S3) This course moves students toward the work and study they will conduct following graduation. It examines the academy and other workplaces as gendered locations, from both theoretical and practical perspectives. Students learn strategies and techniques for success in applying for and working within graduate programs and a variety of workplaces. As the capstone seminar for Women's and Gender Studies students, it accommodates discussions arising from students' current research, practicum projects, and theses. The seminar gives students the opportunity to work collectively, listen, read purposively, and constructively critique and support each other's work.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) OR permission of the Chair or designate.

WGS-4400(6) ADVANCED TOPICS IN WOMEN'S & GENDER STUDIES (S3) This course focuses on a specific theme, author, movement, approach or theory in Women's and Gender Studies. Students should consult with the Women's and Gender Studies Department for details.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6)

WGS-4401(3) ADVANCED TOPICS IN WOMEN'S & GENDER STUDIES (S3) This course focuses on a specific theme, author, movement, approach or theory in Women's and Gender Studies. Students should consult with the Women's and Gender Studies Department for details.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6).

WGS-4500(6) HONOURS THESIS AND COLLOQUIUM (D)

The Honours Thesis and Colloquium are taught on an individual basis through an arrangement between the professor and student. The student completes an Honours Thesis and presents it to Women's and Gender Studies faculty and students. The Honours Thesis could develop from a student's work in Women's and Gender Studies courses. When scheduling permits, the Honours Thesis is presented in the annual WGS student Colloquium. **PREREQUISITES:** WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) AND at least one additional 3 credit hour course in Women's & Gender Studies, and the Department Chair's permission.

WGS-4900(6) DIRECTED READINGS (D) This course provides a student with the opportunity, in close consultation with a professor, to pursue in depth a selected area of Women's and Gender Studies.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) AND at least one additional 3 credit hour course in Women's & Gender Studies AND permission of the Chair of Women's and Gender Studies and of the instructor.

RESTRICTIONS: Students may take a maximum of 12 credit hours of Directed Readings towards the degree.

WGS-4901(3) DIRECTED READINGS (D) This course provides a student with the opportunity, in close consultation with a professor, to pursue a selected area of Women's and Gender Studies.

PREREQUISITES: WGS-3301(3) AND WGS-3302(3) OR the former WGS-/WOM-/95-2200(6) OR 2250(6) OR 3300(6) OR 3232(6) AND permission of the Chair of Women's and Gender Studies and of the instructor.

RESTRICTIONS: Students may take a maximum of 12 credit hours of Directed Readings towards the degree.

EXPERIMENTAL COURSES

Experimental Courses are new courses offered on a trial basis to gauge interest in a topic. Students who successfully complete any experimental course receive credit as indicated.

WGS-3321(3) GENDER AND ORGANIZATIONS.

(Le1.5/S1.5) Exploring gender's relevance to organizations of various types, including corporations and not-for-profits, this course addresses how gendered analysis can benefit a variety of perspectives on organizations. Taking critical and postmodern approaches to organizational theory and practice, the course considers gender with respect to such topics as leadership; management; communication; conflict resolution; diversity, inclusion, and intersectionality; power; negotiation; organizational change; organizational justice; ethics; healthy workplaces; volunteer workers; management; human resources; and globalization.

CROSS-LISTED: Business and Administration BUS-3321(3), Politics POL-3321 (3)

PREREQUISITES: WGS-1232 OR BUS-2103 OR POL-2300 OR (POL-2305 and POL-2310) OR permission of instructor.

GRADUATE STUDIES

Updated January 30, 2013

1. **Degrees/Programs Offered**
2. **History of the Master's Programs**
3. **Entrance Requirements**
 - a. Pre-Master's Students
 - b. Master's Students
 - c. Occasional Students
4. **Application for Admission**
5. **Registration**
6. **Student Classification**
7. **Regulations**
 - a. Minimum Course Requirements
 - b. Other Rules and Regulations
8. **Financial Assistance**

See Program Descriptions (in separate sections):

- Master of Arts in Indigenous Governance (IG)
- Master of Science in Applied Computer Science and Society (ACS)
- Master of Science in Bioscience, Technology and Public Policy (BIOL)
- Master of Arts in Cultural Studies: Texts and Cultures (ENGL)
- Master of Arts in Cultural Studies: Curatorial Practices (ENGL)
- Master's in Development Practice (MDP)
- Master of Arts in Environmental, Resource, and Development Economics (ERDE)
- Master of Arts in History (HIST/HIST)
- Master of Marriage and Family Therapy (MFT)
- Master of Arts in Peace & Conflict Studies (PACS)
- Master of Public Administration (POL/POLS)
- Master of Arts in Religion (REL/RLGN)
- Theology (MA, MDiv, S.T.M)

1. Degrees/Programs Offered

University of Winnipeg Master's Programs:

Master of Arts in Indigenous Governance	MA
Master of Science in Applied Computer Science and Society	MSc
Master of Science in Bioscience, Technology and Public Policy	MSc
Master of Arts in Cultural Studies: Texts and Cultures/Curatorial Practices	MA
Master of Arts in Environmental, Resource and Development Economics	MA
Master's in Development Practice	MDP
Master of Marriage and Family Therapy	MMFT
Master of Arts in Theology	MA
Master of Arts in Spiritual Disciplines and Ministry Practices	MA
Master of Divinity	MDiv
Master of Sacred Theology	STM

Joint Master's Programs:

Master of Arts in History	MA
Master of Arts in Religion	MA
Master of Arts in Peace & Conflict Studies	MA
Master of Public Administration	MPA

For further information on graduate programming at the University of Winnipeg, please visit:
<http://www.uwinnipeg.ca/index/grad-studies-programs>

For further information on graduate degrees in **Theology**, please see the "Faculty of Theology" section of the university's website at:
<http://www.uwinnipeg.ca/index/theology-index>

For information about Entrance Requirements, Application process and Student Classifications for the **Master of Marriage and Family Therapy** program, please visit <http://aurora.uwinnipeg.ca>

2. History of the Master's Programs

- Beginning in July, 2007, four new graduate programs were approved for the University of Winnipeg: Master of Arts in Indigenous Governance, Master of Science in Applied Computer Science and Society, Master of Science in Bioscience, Technology and Public Policy, and a Master of Arts in Cultural Studies. The first three of these programs accepted their first students in September 2008 and the last one did the same in September 2009.
- In May 2010 The John D. and Catherine T. MacArthur Foundation announced it had awarded UWinnipeg a highly competitive international grant of \$800,000 USD that will go towards establishing a unique and specialized Master's in Development Practice (MDP) with a focus on Indigenous Development. UWinnipeg is the only university with this focus within the MDP network. This graduate program began in August 2011.
- September 2011 saw the launch of a second stream in the Cultural Studies program, a specialization on Curatorial Practices. September 2012 saw the launch of the MA in Environmental, Resource and Development Economics program (ERDE).
- The Faculty of Theology and the Master's of Marriage and Family Therapy (MMFT) offer free-standing degrees at UW. The Faculty of Theology has four master's degrees: Master of Arts in Theology, Master of Arts in Spiritual Disciplines and Ministry Practices, Master of Divinity, and Master of Sacred Theology. The Master of Marriage and Family Therapy (MMFT) is an applied degree earned by students who get the majority of their clinical training through the Aurora Family Therapy Centre, a clinic on campus specializing in couple and family therapy.

- Joint Master's Programs: Beginning July 1, 1976, The University of Winnipeg and the University of Manitoba established three joint master's programs in the disciplines of History, English (subsequently suspended) and Religion. On September 1, 1977, the Master of Public Affairs was added and changed in 1989 to Master of Public Administration. This program uses the resources of the Politics Departments at The University of Winnipeg and at the University of Manitoba. In Fall 2010, an additional JMP was launched in Peace and Conflict Studies based out of the University of Winnipeg's Global College and the University of Manitoba's Mauro Centre. The resources of both universities are thus made available for graduate work in these disciplines. Subject to the regulations and policies of the individual programs, students enrolling in a Joint Master's Program enjoy at both universities all the rights and privileges normally accorded to graduate students. Two months before their expected date of graduation students must declare in writing the university from which they wish to attend convocation. All JMP graduates receive a joint parchment specifying the names of both universities. As part of the agreement establishing these Joint Master's Programs, it was arranged that administrative aspects, e.g. admission, registration, etc. would be entirely in the hands of the Faculty of Graduate Studies at the University of Manitoba.

3. Entrance Requirements

Students contemplating entry to a Master's program are encouraged to seek the advice of the relevant department at The University of Winnipeg prior to applying for entry. Applicants who have been accepted for admission will be placed in one of the following groups.

Note: The individual departments offering Master's Programs may have admission requirements which are more stringent than the minimal requirements for admission to Graduate Study.

a. Pre-Master's Students

In some programs, students entering graduate study with the 3-Year BA or BSc may be eligible for admission to a qualifying program of study termed "Pre-Master's Study." Additionally, a student applying for graduate studies may be assigned to Pre-Master's Study if there are specific gaps in their undergraduate record which need to be addressed. The Pre-Master's Program is assigned by the head of the major Department. It is designed to bring the standing of the student in the major subject approximately to the level of that of Honours graduates and to provide any necessary prerequisites for the ancillary subjects. In order to be admitted into a Pre-Master's Program the applicant must possess a Bachelor's degree and must have attained in the last two years of the undergraduate program a composite grade point average of 3.0.

To qualify for admission as a Master's student, a Pre-Master's student must attain a composite grade point average of 3.0 with no grade below a C+ (2.5 grade point). Completion of a Pre-Master's Program does not guarantee admission into a Master's Program. All students must submit a Graduate Studies application for admission to any of the Graduate Programs.

b. Master's Students

To qualify for admission to a program of study, students will normally hold a recognized 4-year General or Honours Bachelor's degree or equivalent with an overall GPA of 3.0 or higher. Some programs have requirements which differ from this. Please see the individual graduate program entries/fact sheets.

c. Occasional Students

An Occasional Student is one who wishes to take graduate courses with no intention of proceeding toward an advanced degree at The University of Winnipeg. Occasional Students meet the same degree and grade point average entrance requirements as regular graduate students. Students must write final examinations in the courses taken (except when students wish to audit courses), but receive no credit toward a degree. Regular graduate student fees apply but are assessed on an individual course basis. Under special circumstances, an occasional student may apply for permission to proceed to a degree program and apply to receive credit for courses taken in the category of occasional students. Such a transfer is not automatic, and individual cases will be judged on their merit.

Fees paid by a student while registered as an Occasional Student are not applied to a degree program at a later date.

Prior Learning Assessment and Recognition (PLAR)

Prior Learning Assessment and Recognition (PLAR) is a method by which students may, with appropriate evidence and documentation, be exempted from completing specific course requirements in their Master's degree program based on their having acquired the relevant knowledge through previous experience and academic qualifications. Course exemptions do not reduce the total credits required for the Master's degree. In such cases, the Graduate Program Chair will substitute more appropriate courses equivalent in weight to the courses exempted from the student's program.

Note: In special cases, students may be considered for direct admission into the Indigenous Governance Program via the PLAR mechanism.

Course challenge and Prior Learning Assessment

Students registered in the Master of Marriage and Family Therapy Program (MMFT), the Faculty of Theology or the Joint Master's Programs (JMP) are eligible to apply for course challenge or prior learning assessment, and receive either credit or exemption. A course challenge is generally based on having taken a similar Master's level course elsewhere. A prior learning assessment is based on having acquired relevant knowledge through work and life experience. The maximum credit that can be claimed through course challenge or prior learning assessment is 12 credit hours towards the Master's degree.

4. Application for Admission

University of Winnipeg Master's Programs:

An official application form for program admission to Graduate Studies at The University of Winnipeg must be completed and forwarded, with a processing fee payment and appropriate supporting documents, to the Graduate Studies Admissions Office. Applications which meet the general admission requirements are submitted to the Graduate Program Committee Chair of the appropriate department of entry. Applicants will be notified of their acceptability for graduate work by the Dean of Graduate Studies Office.

Joint Master's Programs:

All prospective Joint Master's Program (JMP) students must complete the official application for admission to the Faculty of Graduate Studies, the University of Manitoba. In the case of Religion, prospective students should first contact the Graduate Chair in Religious Studies at The University of Winnipeg.

Note: Admission will often depend upon the availability of a faculty member to supervise the student, and resources to support the student's research.

5. Registration

University of Winnipeg Master's Programs:

For information on registration procedures, please visit <http://www.uwinnipeg.ca/index/grad-studies-forms> for registration forms (with the exception of JMP course registrations) or contact Graduate Studies - Student Services at (204) 786-9466.

Joint Master's Programs:

Normally, all graduate students register at the University of Manitoba in the autumn during the week specified in that university's Academic Schedule.

The registration forms will show the course program for the current year, and will also indicate courses already obtained as credit toward a given degree and any courses that must be taken in subsequent sessions for the particular degree program. All programs must be approved by the Chair of the Joint Discipline Committee or his delegate and must be presented at the time of registration.

Any student whose program of study extends over more than one year must re-register in the autumn of each succeeding year of the program until the degree is obtained. Students who fail to re-register will not retain the status of graduate student and must apply for readmission if they wish to continue studies at a later date. (This re-registration does not apply to Pre-Master's or Occasional Students.)

With the permission of the Joint Discipline Committee concerned, a student whose application has been approved may begin research work in the spring or summer preceding initial registration. There is also a limited registration during the first week in January. **No student should attempt to register for any course without previously consulting the Chair of the Joint Discipline Committee concerned.**

Additional Courses

Graduate students in a program of study may take additional courses which are not part of the degree requirements, and will not be included in the grade point average and shall be classified as Occasional (OS). Fees will be assessed on an individual course basis.

Auxiliary Courses

Extra courses which are not actually part of the student's program, but which are specified and required by the student's Joint Discipline Committee may be classified as AX (Auxiliary) so as not to be included in the degree program grade point average.

Continuing Courses

For those graduate-level courses which continue beyond the normal academic term, the instructor may recommend that a mark classification of CO be used until such time as a final grade can be established. If the course is not completed by the next September and the student intends to complete the course, he/she must re-register for the course.

6. Student Classification

University of Winnipeg Master's Programs

Full Time

Students shall be considered a full-time student if they 1) are pursuing their studies as a full-time occupation; 2) identify themselves as a full-time student; 3) not be employed by The University of Winnipeg for more than an average of 10 hours per week for any term in which they are enrolled as a full-time student; 4) plan to complete the program within the designated number of terms permitted for full-time students and do not exceed these limits. For a one-year Master's program, students are permitted 3 terms to complete all degree requirements, plus 1 additional term if they are doing a thesis. For a two-year Master's program, students are permitted 6 terms to complete all degree

requirements, plus 1 additional term if they are doing a thesis (see Table 1).

Note: Individual programs may have their own policies which prescribe a shorter period of time (smaller number of terms) within which full-time students must complete their program of study.

Part Time

Students shall be considered a part-time student if they 1) do not meet the requirements for full-time status; and 2) plan to complete the program within the designated number of terms permitted for part-time students and do not exceed these limits. For a one-year Master's program, students are permitted 6 terms to complete all degree requirements, plus 1 additional term if they are doing a thesis. For a two-year Master's program, students are permitted 12 terms to complete all degree requirements, plus 1 additional term if they are doing a thesis (see Table 2). Please note that individual programs may have their own policies which describe a shorter period of time (smaller number of terms) within which part-time students must complete their program of study.

Continuing Status

Students who do not complete their degree within the allotted number of terms appropriate to their full-time or part-time designation shall be considered a continuing student and pay the corresponding fees for maintaining this status.

Table 1: Full-Time Students: Normal Pattern of Terms for Completion of a Master's Program

Status	Length of program	Thesis or course based	Number of terms allowed for completion
FT	1 Year	Course	3
FT	1 Year	Thesis	4
FT	2 Year	Course	6
FT	2 Year	Thesis	7

Table 2: Part-Time Students: Normal Pattern of Terms for Completion of a Master's Program

Status	Length of program	Thesis or course based	Number of terms allowed for completion
PT	1 Year	Course	6
PT	1 Year	Thesis	7
PT	2 Year	Course	12
PT	2 Year	Thesis	13

Joint Master's Programs

Full Time

Students are considered to be full time if they identify themselves as full time and their Joint Discipline Committee certifies at registration that their academic program for the registration period will be that of a normal full-time student. (Departments may not employ full-time students for more than 12 hours per week for teaching assistantship or research assistantship duties).

Part Time

Graduate students who do not meet the criteria specified for full-time students are designated as part-time students.

7. Regulations (For more detailed information, see the individual program descriptions in this calendar)

a. Minimum Course Requirements

University of Winnipeg Master's Programs

Indigenous Governance Program (two-year):

Coursework and Thesis:

21 credit hours required courses

9 credit hours of elective courses, one of which must be the Thesis course.

Required to provide oral defense of their thesis

Coursework and Comprehensive Examination

21 credit hours of required courses

9 credit hours of elective courses

Required to write a comprehensive examination based on their courses work and sit an oral defense of their examination.

Coursework and Co-operative Work Placement Option*

21 credit hours of required courses

9 credit hours of elective courses, one of which must be the Co-operative Work Placement course

Perform a 12 week co-operative work placement that be worth 6 credit hours

Required to write a comprehensive examination based on their courses work and sit an oral defense of their examination

Applied Computer Science and Society Program (two-year):

Coursework and Thesis:

12 credit hours from the list of Applied Computer Science courses.

12 thesis credit hours

Required to write a thesis and defend it in an open oral defense in the presence of a thesis committee.

Students must select their courses in consultation with their thesis supervisor.

Coursework:

a minimum of 21 credit hours of ACS-7xxx/3 courses (excluding ACS-7500 thesis course)

a minimum of 9 credit hours of ACS-4xxx/3 courses

Bioscience, Technology and Public Policy Program (two-year):

Coursework and Thesis:

Required course: Seminars in Biology

3 credit hours of Core Bioscience courses.

3 credit hours from the Bioscience & Technology Curriculum.

3 credit hours from Bioscience & Policy Curriculum.

Students are expected to undertake a research project culminating in a Master of Science thesis.

Cultural Studies: Texts and Cultures (TC)

Program/Curatorial Practices (CP) (one-year):

Coursework:

24 credit hours of coursework is mandatory (4 full-course equivalents).

Required courses:

Research Methods and Practice

Practicum in Curatorial Studies (CP stream only)

Minimum grade of B (3.0) required in all courses

Master's in Development Practice Program (two-year):

Coursework and Field Placements:

54 hours of coursework is mandatory.

Required course: Global Classroom: Integrated Approaches to Sustainable Development Practice

Environmental, Resource, and Development Economics (one year):

Coursework with Research Project Option:

Students must complete a total of 24 credit hours to graduate from the program.

They must take a minimum of 18 credit hours of course work in the Economics department, with the option of completing a 6 credit-hour research project. Remaining credit hours may be fulfilled through electives from the Economics department or from other departments across the university.

Marriage and Family Therapy

Coursework:

39 credit hours of coursework

24 credit hours of supervised clinical practice divided between 4 clinical practica totalling a minimum of 500 hours of supervised therapy.

Joint Master's Programs

Please see the individual Joint Master's Program entries in this course calendar for their admission and minimum course requirements.

Note: Courses offered at The University of Winnipeg are designated by an alphabetical department code followed by a four-digit course number (e.g. HIST-7701, POL-4239, REL-7101); courses offered at the University of Manitoba are designated by another department code followed by a four-digit course number (e.g. HIST 7650, POLS 4570, RLG N 7040).

b. Other Rules and Regulations

The University of Winnipeg Graduate Studies policies and procedures are currently pending Senate approval. For any information regarding these policies and procedures, please contact the Graduate Studies Office at 786-9093.

For policies and procedures pertaining to the Joint Master's Programs, please refer to the University of Manitoba's Graduate Studies calendar.

8. Financial Assistance

A wide range of assistantships, fellowships, scholarships, and bursaries are available at the Master's level. For further information one should contact the Graduate Studies Officer in the Dean of Graduate Studies Office, or Chair of the Joint Discipline Committee.

a. University of Winnipeg Graduate Studies

- There are several categories of financial assistance available on a competitive basis for fully qualified students who will be registered full-time in a master's program: Scholarship, Research Awards, Teaching Assistantships and Teaching Fellowships administered by the DGS
- Departmental Assistantships (administered by the corresponding Department)
- Support provided by faculty members (normally the student's supervisor) from research grants or contracts

NOTE: Admission to a graduate program does not guarantee that financial support will be available.

Internal Awards:

The University of Winnipeg Manitoba Graduate Scholarships (MGS)

The University of Winnipeg has established a Manitoba Graduate Scholarship (MGS) valued at \$15,000 through an agreement between The University of Winnipeg and the Province of Manitoba to support research-based graduate studies and assist in attracting and sustaining excellent students from within and outside of the Province. Awards are made mainly on the basis of academic excellence and research potential, and are open to students who will be registered as full-time graduate students in a Master's program at The University of Winnipeg regardless of discipline during tenure of the award. For more information about the program, please contact the Graduate Studies Office at 204.786.9093.

The University of Winnipeg Graduate Studies Scholarship

Value: \$15,000 for a period of 12 months. There are no automatic renewals for a second year.

General Terms: For full-time graduate students (international and domestic) in the following programs: MDP, ERDE, BioScience, Applied Computer Science, Indigenous Governance and Cultural Studies. The award is given in recognition of academic excellence and of contributions to community service. Students must demonstrate superior intellectual ability and academic accomplishment, holding a minimum cumulative GPA of 3.75 or greater for the last two completed years of study.

Students are also encouraged to consult with their departments regarding department-specific scholarship, prizes, and awards.

External Awards:

Each year The University of Winnipeg's top students compete for Natural Sciences and Engineering Research Council of Canada (NSERC), Social Sciences and Humanities Research Council of Canada (SSHRC) and Canadian Institutes of Health Research (CHIR) Canada Graduate Scholarships. Graduate students are encouraged to seek funding from Canada's major research granting agencies.

Social Science and Humanities Research Council of Canada (SSHRC)

The Canada Graduate Scholarships (CGS) Master's program seeks to develop research skills and assist in the training of highly-qualified personnel by supporting students in the social science and humanities who demonstrate a high standard of achievement in undergraduate and early graduate studies. This program, together with the SSHRC Doctoral Awards and Postdoctoral Fellowships programs, helps train Canada's researchers and leaders of tomorrow. The CGS Master's program offers non-renewable twelve-month awards, valued \$17,500, and tenable only at recognized Canadian universities, to applicants who will be registered as full-time students at the master's level in a discipline supported by SSHRC.

Natural Sciences and Engineering Research Council (NSERC)

NSERC Canada Graduate Scholarships and Postgraduate Scholarships provide financial support to high-calibre scholars who are engaged in master's or doctoral programs in the natural sciences or engineering. The Canada Graduate Scholarships valued at \$17,500 will be offered to the top ranked applicants at each level (master's and doctoral) and the next tier of meritorious applicants will be offered and NSERC Postgraduate Scholarship valued at \$17,300. For more information on eligibility and program requirements please visit NSERC website.

Canadian Institute of Health Research (CHIR)

The Canada Graduate Scholarships Master's Awards administered by CHIR are intended to provide special recognition and support to students who are pursuing a Master's degree in a health related field in Canada. These candidates are expected to have an exceptionally high potential for future research achievement and productivity.

***Additional Funding Opportunities will be listed on the Graduate Studies website as they become available.**

b. Joint Master's Programs The University of Winnipeg/University of Manitoba Graduate Fellowship (UMGF)

This \$12,000 graduate fellowship is funded jointly by the two universities and can be renewed for a second year. The UMGF may be held in part or full, for the first two years of the Master's program (from the date of admission). Two years of part-time study in a graduate program will be deemed equivalent to one year of full-time study. The total maximum UMGF support for any individual graduate student is four years.

The Robert Painchaud Memorial Scholarship in Canadian History

Established by the family and friends of Dr. Robert Painchaud, an outstanding teacher of Canadian History at The University of Winnipeg and one who made a significant contribution to the understanding of French-English relations. The scholarship will be awarded to students of outstanding academic promise who are entering either Fourth Year Honours or a program leading to the Master's degree at the University. Competence in French is a desirable qualification. *Application for this scholarship must be made with the Department of History.*

The Donald Vernon Snider Memorial Fellowship

Funded by the Winnipeg Foundation, this graduate fellowship in the amount of \$10,000 is tenable by students who have graduated from a Manitoba University and are enrolled in a Joint Master's Program. *Application for this fellowship must be made with the Office of Awards and Financial Aid at The University of Winnipeg.*

The University Women's Club of Winnipeg Graduate Scholarship

A scholarship for \$2,500 is open for competition from students enrolling in the Joint Master's Program.

For additional information regarding funding opportunities please check the Graduate Studies blog at: <http://blog.uwinnipeg.ca/gradstudents/> for constant updates. You may also follow the Graduate Studies facebook page at: University of Winnipeg Graduate Studies or the twitter account at: UWGradStudies.

MASTER OF SCIENCE APPLIED COMPUTER SCIENCE AND SOCIETY (ACS)

Updated April 11, 2013

Graduate Program Chair: P. Atrey; **Professors:** Y. Chen, S. Liao, S. Ramanna; **Associate Professor:** P. Atrey; **Assistant Professors:** R. McFadyen, C. Henry

DEGREES/PROGRAMS OFFERED M.Sc.

The department offers a Master's program at the graduate level in **Applied Computer Science and Society** with a focus on issues of technology and ethical/human/social aspects of computing. We offer courses in three core clusters that represent frontiers of the discipline. These are: i) *Information Representation*, ii) *Search and Management, Intelligent Systems*, and iii) *Systems Development*.

AREAS OF RESEARCH

The research interests of our faculty include: algorithms and complexity, computational intelligence, computer vision, data warehousing, web and document databases, granular computing, image processing, pattern recognition, software engineering, rough sets, security and privacy, multimedia computing, and wireless communication. Information about specific research topics can be found on the faculty web pages [http:// www.acs.uwinnipeg.ca](http://www.acs.uwinnipeg.ca)

We offer both thesis-based and course programs. Our thesis-based program is designed to provide an excellent basis for a Ph.D. in computer science or other related fields. Our graduates in the course-based program are well-qualified for employment in industry, the public-sector, and academia.

REQUIREMENTS FOR AN M.Sc. IN APPLIED COMPUTER SCIENCE AND SOCIETY (Thesis-Based)

ADMISSION REQUIREMENT

Students may be admitted to the thesis-based Master's program if they hold an Honours or 4-year Bachelor of Science degree in Applied Computer Science, Computer Science and/or Engineering, Mathematics or equivalent and if they present a suitable selection of courses. A student must have a supervisor selection prior to admission.

- Minimum entry requirement: overall GPA of 3.0
- English requirement: A minimum TOEFL score of 550 (paper-based), 213 (computer-based), 80 (Internet-based) or International English Language Testing System **IELTS** (6.5) is needed. The test should have been taken within a year of the date a completed application is filed

Students can also be admitted to the Master's program upon successful completion of a University of Winnipeg designed pre-Master's program which consists of a set of upper-level undergraduate courses. Please contact the Department for details.

APPLICATION DEADLINES

The Department allows students to begin their program in September or January. For admission for each of these start dates, Canadian/U.S. students should send their applications with complete supporting documentation to the Office of Graduate Studies no less than three (3) months before the intended start date. All other students should send their applications with complete supporting documentation no later than six months (6) before the intended start date. Application form can be downloaded from <http://www.uwinnipeg.ca/index/grad-studies-programs>

PROGRAM REQUIREMENTS

Students are required to take a **minimum of 12 credit hours** from the list of Applied Computer Science Graduate courses, plus GACS-7500 Graduate Thesis. Students are required to write a thesis and successfully defend their thesis in an open oral defense in the presence of a thesis committee. Students must select their courses in consultation with their thesis supervisor.

SECOND LANGUAGE REQUIREMENT: None

EXPECTED TIME TO GRADUATE: 2 years

MAXIMUM TIME REQUIRED TO GRADUATE: 5 years

REQUIRED COURSES

- Minimum **12 credits** from the Applied Computer Science Graduate courses
- **GACS-7500 GRADUATE THESIS**

REQUIREMENTS FOR AN M.Sc. IN APPLIED COMPUTER SCIENCE AND SOCIETY (Course-Based)

ADMISSION REQUIREMENT

Students may be admitted to the course-based Master's program if they hold an Honours or 4-year Bachelor of Science degree in Applied Computer Science, Computer Science and/or Engineering, Mathematics or equivalent and if they present a suitable selection of courses.

- Minimum entry requirement: overall GPA of 3.0 in all computing , mathematics and statistics courses
- English requirement: A minimum TOEFL score of 550 (paper-based), 213 (computer-based), 80 (Internet-based) or International English Language Testing System **IELTS** (6.5) is needed.
The test should have been taken within a year of the date a completed application is filed.

APPLICATION DEADLINES

The Department allows students to begin their program in September or January. For admission for each of these start dates, Canadian/U.S. students should send their applications with complete supporting documentation to the Office of Graduate Studies no less than three (3) months before the intended start date. All other students should send their applications with complete supporting documentation no later than six months (6) before the intended start date. Application form can be downloaded from <http://www.uwinnipeg.ca/index/grad-studies-programs>

PROGRAM REQUIREMENTS

Students are required to take

- a **minimum of 21** credit hours of GACS-7xxx/3 courses (excluding GACS-7500 thesis course)
- a **minimum of 9** credit hours of ACS-4xxx/3 courses

SECOND LANGUAGE REQUIREMENT: None

EXPECTED TIME TO GRADUATE: 2 years

MAXIMUM TIME REQUIRED TO GRADUATE: 5 years

SWITCHING from Course-based Program to Thesis-based Program:

Students may switch from *course-based to thesis-based at any time during the program* provided a thesis supervisor is willing to accept them. The department is not responsible for finding thesis supervisors.

SWITCHING from Thesis-based to Course-based Program:

Students may switch from *thesis-based to course-based program within the first four months* from the date of registration. After the first four months, a switch can be made only with the written approval of their thesis Supervisor and the Graduate Program Committee Chair.

Applied Computer Science Department Courses

Information Representation, Search and Management Cluster:

- **GACS-7101/3** ADVANCED DATA STRUCTURES AND ALGORITHMS FOR APPLIED COMPUTER SCIENCE
- **GACS-7102/3** WEB AND DOCUMENT DATABASES
- **GACS-7103/3** SEMANTIC WEB
- **GACS-7104/3** THEORY AND PRACTICE OF SECURITY AND PRIVACY

Intelligent Systems Cluster:

- **GACS-7201/3** BIOMETRICS
- **GACS-7202/3** GRANULAR COMPUTING: FOUNDATIONS AND APPLICATIONS
- **GACS-7203/3** PATTERN RECOGNITION
- **GACS-7204/3** MULTIMEDIA COMPUTING AND APPLICATIONS
- **GACS-7205/3** DIGITAL IMAGE PROCESSING

Systems Development Cluster:

- **GACS-7301/3** IMPLEMENTATION AND IMPACT OF PEER-TO-PEER SYSTEMS
- **GACS-7302/3** GLOBAL SOFTWARE PROJECT MANAGEMENT
- **GACS-7303/3** ADVANCED TOPICS IN SOFTWARE DESIGN AND ARCHITECTURE
- **GACS-7304/3** COMPUTER SYSTEMS FOR SOCIETY

Topics:

- **GACS-7401/3** CURRENT TOPICS IN COMPUTING

Thesis

- **GACS-7500** GRADUATE THESIS

COURSE DESCRIPTIONS

Information Representation, Search and Management Cluster:

GACS-7101(3) ADVANCED DATA STRUCTURES AND ALGORITHMS FOR APPLIED COMPUTER SCIENCE (Le3)

This course examines methods for designing efficient data structures and algorithms such as signature trees, suffix trees, compressed transitive closures, and the algorithms for tree inclusion, tree matching, linear-time suffix tree construction, as well as arc consistency problem. Other topics include problems in specialized databases such as Web and Document, DNA and Deductive Databases

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7102(3) WEB AND DOCUMENT DATABASES (Le3)

In this course, students gain a good understanding and knowledge of research issues associated with two types and databases. In particular, students will study basic theoretic issues of web and document databases: system architectures, data storage and data retrieval. Another specific methodology related to DNA databases will also be discussed.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7205/3 DIGITAL IMAGE PROCESSING (Le3)

This course provides students a detailed overview of Digital Image Processing and its applications. Image processing has found applications in many areas from medical imaging to computer graphics. This course covers the fundamental concepts of visual perception and image acquisition, basic techniques of image manipulation, segmentation and coding, and a preliminary understanding of Computer Vision. With successful completion of the course, students will be able to perform image manipulations and analysis in many different fields

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor

GACS-7103(3) SEMANTIC WEB (Le3) This course examines current issues related to the next generation of the World Wide Web: the Semantic Web that is intended to convert the Web into a more practical globally linked database. Topics comprise document markup languages, access privileges, business rules, and processing models for managing data. A typical project involves the design and implementation of an application for managing semi-structured data using XML technologies.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7104(3) THEORY AND PRACTICE OF SECURITY AND PRIVACY (Le3)

This course provides students an understanding of theoretical and practical aspects of security and privacy and opens them up to the current research challenges in this area. Topics include classical cryptography, symmetric encryption, public key cryptography, key distribution mechanisms, digital signature, entity and message authentication, access control, multimedia security and digital right management, secret sharing, physical security, privacy

preserving techniques such as data aggregation, perturbation, k -anonymity and l -diversity.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

Intelligent Systems Cluster:

GACS-7201(3) BIOMETRICS (Le3) Biometrics refers to the automatic identification of a person based on his/her physiological or behavioral characteristics. With the increased integration of computers and Internet into our everyday lives, to protect sensitive and personal data becomes more important and challenging. This course focuses on the design of various biometric systems based on fingerprints, voice, face, hand geometry, palmprint, iris, retina, and other modalities. Multimodal biometric systems that use two or more of the above characteristics are studied. This course also examines biometric system performance and the issues related to the security and privacy aspects of these systems.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7202(3) GRANULAR COMPUTING:

FOUNDATIONS AND APPLICATIONS (Le3) This course examines granular computing as a framework of theories, methodologies, techniques, and tools that make use of information granules in the process of problem solving. Granular computing has a significant impact on the design and implementation of intelligent systems. Emphasis is placed on the study of the theory of rough and fuzzy sets. Applications of these theories are also explored. This course also examines social issues that arise from application of these theories in selected domains.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7203(3) PATTERN RECOGNITION (Le3) This course gives students an overview of classification techniques. It covers methods from linear classifiers to nonparametric techniques. Feature generation, selection, and extraction techniques are examined. Both supervised and unsupervised learning methods are discussed.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7204(3) MULTIMEDIA COMPUTING AND APPLICATIONS (Le3)

This course provides graduate students with an in-depth knowledge of various computational techniques and tools used in multimedia research (images, videos, speech, graphics and documents). The course covers the following topics: fundamentals of multimedia signal processing, multimedia compression, wireless multimedia, multimedia summarization, content-based multimedia retrieval, multimedia surveillance and security, and current issues and trends in multimedia research. The objective of this course is to prepare students to understand the theoretical foundation of multimedia computing, and to apply computational tools such as Matlab, Intel OpenCV, etc., to the processing and analysis of multimedia data.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

Systems Development Cluster:

GACS-7301(3) IMPLEMENTATION AND IMPACT OF PEER-TO-PEER SYSTEMS (Le3)

The course is divided into two parts. First half of the course examines the foundations, implementation, and characteristics of various peer-to-peer systems (both research and production). Topics discussed will include the formation, structure, maintenance, purpose, and function of peer-to-peer systems, as well as their commonalities and differences. The second half of the course examines the social issues that arise from the manner in which peer-to-peer systems are structured and used. The issues examined in this half include: copyright-related issues such as the Napster and Grokster decisions; anonymity and privacy, with respect to systems such as Tor; and security-related issues.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7302(3) GLOBAL SOFTWARE PROJECT MANAGEMENT (Le3)

This course identifies and addresses the social, organizational and technical issues in managing global software projects. Its topics include communications and coordination in a distributed environment; critical success factors; global project management framework; generic design (void of nationalities) and local design (with target culture); and evaluation criteria of the perceived effectiveness of various global project management strategies. The course incorporates both theory and practice, including case studies from international software development companies. Students are expected to participate in research to enrich the course material.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

GACS-7303/3 ADVANCED TOPICS IN SOFTWARE DESIGN AND ARCHITECTURE (Le3)

This course considers problems and issues in the development of enterprise-level software systems. Topics may include

software architectures, model driven development, development methodologies, design patterns, frameworks, coding practices, etc. During the semester students are required to work on the design and/or implementation of a complex multi-tiered system

PREREQUISITES: Consent of the Graduate Studies Committee Chair or Instructor

GACS-7304/3 COMPUTER SYSTEMS FOR SOCIETY (Le3)

This course provides students a broad understanding of how the computer systems are used in various societal domains such as human communication, education, homeland security, health and medicine, government, business, and transportation. The focus of the course is on study of the frameworks, models and algorithms used in these systems and on to expose students with the areas where improvement can be done. Students are required to undertake a course-end project to identify the potential research problems in a particular application area and investigate their innovative scientific solutions in order to have a greater impact on society.

PREREQUISITES: Consent of the Graduate Studies Committee Chair or Instructor

GACS-7401/3 CURRENT TOPICS IN COMPUTING (Le3)

This course is a combination of readings, discussions, hands-on projects, and oral presentations that explore current topics in the field of computer science. During the semester students may be required to work on the design and/or implementation of systems, participate in discussions, and present seminars on chosen topics

PREREQUISITES: Consent of the Graduate Studies Committee Chair or Instructor

GACS-7500(3) GRADUATE THESIS (P)

Graduate thesis research. Detailed exploration of an area of applied computer science chosen for thesis research.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

MASTER OF SCIENCE BIOSCIENCE, TECHNOLOGY & PUBLIC POLICY (BIOL)

Updated April 25, 2013

Bioscience Graduate Program Chair: Richard Westwood

The power of science to change the face of modern society is growing at an ever increasing pace. Science and technology are tools that can and do improve the human condition in many ways. But the rapid pace of change also brings unforeseen consequences and challenges. Science and technology cannot develop effectively within a social vacuum. The objective of this program is to train students in the advanced methods of science, and to place this body of knowledge in the broader context of modern society.

Biology plays an ever increasing role in the development of science and technology, and all aspects of the discipline are changing with advances in a variety of fields including health research, genetics and genomics, evolution, physiology, forestry, molecular biology, environmental science, animal behaviour, cellular biology and many others. Our program provides students with a skill set that prepares them to work in both academia and industry at an advanced level in every area of biology.

The program's specific objectives are to:

1. Provide students with breadth and depth of knowledge in their field of study while providing the skills to communicate effectively and to make informed decisions.
2. Provide an understanding of the ethical problems facing our society, and an appreciation of the full range of human, aesthetic and environmental values.
3. Train students in science and ethics, science and public policy and science in the context of global relations.

Admission (Deadline February 1)

Applicants for admission to the program must hold a recognized 4-Year Bachelor of Science or equivalent with a minimum overall GPA of 3.0 (70%) and no grade less than C+ in the last two years of full time university study.

Further inquiries should be directed to the Graduate Chair. Applications are available online at the Faculty of Graduate Studies website.

REQUIREMENTS FOR AN M.Sc. IN BIOSCIENCE, TECHNOLOGY & PUBLIC POLICY

Students are enrolled in the Masters program for a minimum of two years and take a minimum of 12 credit hours of courses. A major research project culminating in a Master of Science thesis must be completed and successfully defended to graduate from the program. As a condition of admission, each MSc student must have a supervisor who is a member of the Faculty of Graduate Studies. The supervisor provides direction to the student on the program of study, directs research, and supervises thesis work. The student must also have a thesis committee including the supervisor and at least two other faculty members to help guide and review thesis research. Course work includes three elements: core bioscience courses; courses in BioScience & Technology and courses that place science in the broader context of society. Students are required to obtain a minimum average GPA of 3.0 and no grade less than B in all required coursework.

Courses:

Students must complete a combination of required courses (and elective courses if required). Supervisors may assign more than the minimum 12 credit hours for a student degree program. With the exception of Seminars in Biology, and at the discretion of the Bioscience Graduate Program Chair, students are allowed to substitute up to 3 credit hours with a course taken from a different Institution.

Required:

- GBIO 7101 Seminars in Biology (3 credits, continuing throughout registration period)
- GBIO 7111 Thesis course (continuing throughout registration period)

Electives:

Minimum 3 credits from Core Bioscience Curriculum

- GBIO 7402 Current Topics in Ecology (3 credits)
- GBIO 7304 Current Topics in Genetics & Genomics (3 credits)
- GBIO 7100 Directed Studies in Life Sciences (3 credits)

Minimum 3 credits from Bioscience & Technology Curriculum

- GBIO 7201 Molecular Biotechnology I (3 credits)
- GBIO 7102 Directed Studies in Biosciences and Technology (3 credits)
- GBIO 7104 Scientific Methods (3 credits)

Minimum 3 credits from Bioscience & Policy Curriculum

- BIO 7103 Bioscience and Policy (3 credits)
- MULTI 7112 or MULTI 7219 Summer Institute - Infectious Diseases Policy (3 credits)
- ENV/GBIO 4614/7614 Critical Environmental Issues (3 credits)

COURSE DESCRIPTIONS

A. CORE BIOSCIENCES

GBIO-7100(3) DIRECTED STUDIES IN LIFE SCIENCES

This course is designed to allow students to undertake a project in an area of their interest. The project may take the form of a literature review, it may be experimental in nature, or it may involve analysis of existing data. Evaluation is based upon, but not limited to, writing a report summarizing the student's findings. The supervisor and student must submit a proposed plan of study which must be approved by the Bioscience Graduate Program Chair prior to commencement of the course. A student may receive credit for this course only once.

PREREQUISITE: Consent of the Bioscience Graduate Program Chair.

GBIO-7101(2) SEMINARS IN BIOLOGY This course consists of seminars presented by students on their thesis research topic. Attendance by students is mandatory during the two years of their studies. Students in their first year are expected to present at least, but not exclusively, the appropriate background to their topic of research, the rationale and objectives to their study and some aspects of the methodology. Students in their second year are expected to add to their presentation results and conclusion, and provide an idea of likely future direction. Students are also expected to summarize and critique a specific number of outside seminars presented by faculty from other universities.

GBIL-7201(3) MOLECULAR BIOTECHNOLOGY This course equips Graduate students with theoretical and hands-on experience. Topics include, but are not limited to, techniques used for DNA, RNA and protein isolation, gel electrophoresis, molecular markers and DNA fingerprinting, Southern and Northern hybridization, the polymerase chain reaction (PCR), and DNA sequencing. The application of these techniques in diagnostics (e.g., DNA fingerprinting, pathogen typing, species identification) is emphasized.

PREREQUISITES: Consent of the Bioscience Graduate Program Chair.

GBIO-7304(3) CURRENT TOPICS IN GENETICS & GENOMICS

The field of Genetics has experienced fast changes during the last years. Advances in molecular techniques and computer sciences makes it feasible to address old questions and raise new ones. A consequence of this advancement is the birth of Genomics and the evolution of the field into structural, functional and comparative genomics. This course is a combination of readings, oral presentations and discussions that examine current topics in the field of genetics and genomics. A major aspect of the course will be student participation through presentations and discussion of the current literature.

PREREQUISITES: BIOL-2301; BIOL-3303 or equivalent. Consent of the Bioscience Graduate Program Chair.

GBIO-7402(3) CURRENT TOPICS IN ECOLOGY

This course involves students in the current topics in ecology. The instructor presents a range of potential topics from which students can select those of interest. Students may also offer their own topics for presentation. Students will present seminars to the class on chosen topics, and their

evaluation will be based upon class participation, and will involve peer assessment. This course is also open to 4th year Biology Honours students. Additional in-depth work is required to receive credit at the 7000 level.

PREREQUISITES: Consent of the Bioscience Graduate Program Chair.

GBIO-7102 (3) DIRECTED STUDIES IN BIOSCIENCE AND TECHNOLOGY

This course allows students to learn more about critical technologies that relate to their research project in the Masters of Biosciences program. Under the guidance of their faculty supervisor, students will either participate in a specialized course of study in technologies important to the better understanding of their field of research or can develop a technology based project in conjunction with a faculty member. The supervisor and student must submit a proposed plan of study which must be approved by the Bioscience Graduate Program Chair prior to commencement of the course.

PREREQUISITES: Consent of the Bioscience Graduate Program Chair.

GBIO-7103 (3) BIOSCIENCE AND POLICY This course focuses on the relationship between government, industry and the academic sciences and the processes that shape science policy. Students gain a better understanding of the role of science policy in government and industry and where policy issues "fit" with respect to legislation and regulations, management planning and implementation, procedures and guidelines. Students analyze current science policy issues by discussing real world case studies e.g. medical, environmental, natural resource management, ethical etc. as they affect both basic and applied fields of bioscience research. Students acquire skills required for interacting effectively with policy makers and understand how scientists participate in the formulation of science policy.

PREREQUISITES: Consent of the Bioscience Graduate Program Chair.

ENV/GBIO-4614/7614(3) CRITICAL ENVIRONMENTAL ISSUES

This course examines current issues of controversy and public concern in environmental studies and environmental science. The content varies from year to year and students should consult the Environmental Studies department for a more detailed description of topic areas in terms in which the course is offered.

PREREQUISITES: Consent of the Bioscience Graduate Program Chair.

GBIO-7104(3) SCIENTIFIC METHODS This course provides a foundation for Bioscience graduate students in statistics and experimental design. The course covers practical tools needed to organize and summarize data generated by students in their Master's thesis research. Course content will consist of statistical distributions, anatomy of statistical tests, model fitting, regression and ANOVA, randomization tests, non-parametric statistics, and multivariate analysis. Students will be taught how to program and execute advanced statistical analysis in the open source statistical software program "R" using example data sets and their own research data.

MASTER OF ARTS CULTURAL STUDIES

Updated April 12, 2013

Graduate Program Committee Chair: Mavis Reimer

INTRODUCTION

Cultural Studies is a field of research that moves across traditional disciplines in the humanities and social sciences to understand culture and the arts as part of social, economic, and political environments. Central to the field of Cultural Studies are the questions of what constitutes a text, how some texts, visual images, and cultural artefacts come to be valued over others, and how questions of value relate to the distribution of power and authority.

The MA in Cultural Studies is a degree with two approved specializations: 1) Texts and Cultures, and 2) Curatorial Practices.

Application Deadline:

Application packages will be on hold until ALL required documents are received. The application deadline is **January 15** for Canadian applicants and **December 15** for international applicants. Applications received after the official deadlines will be considered for admission, but financial assistance cannot be guaranteed for late applicants. The normal date to begin the program is September. For current information on scholarships, please visit the Department and Graduate Studies websites.

How to Apply:

1. Complete the on-line application form available at <http://www.uwinnipeg.ca/index/cms-filesystem-action?file=pdfs/grad-studies/grad-studies-app.pdf>.
2. Provide official/notarized transcripts of academic work completed to date, sent directly from the issuing institution. If the transcript does not show that a completed degree has been conferred, an official/notarized copy of your diploma is also required or a letter indicating the expected date of graduation.
3. Supply two confidential letters of recommendation from individuals most familiar with your academic work and relevant experience. Letters should be signed and sealed if they are submitted by the student as part of an application package.
4. Attach a statement of interest of 500 words, which includes a brief description of your undergraduate training, your reasons for applying to this program and to the specialization you've selected, and your areas of research interest.
5. If applicable, attach an academic resumé. Pertinent listings include scholarships, awards, grants, and other distinctions; conference papers, other presentations, and publications; and volunteer and community service.
6. Include a writing sample, preferably an essay, written in English, from a recent course with the instructor's comments visible on the essay. The committee will also consider supplementary materials.
7. Applicants for whom English is an additional language should include an official copy of TOEFL or IELTS scores.

TEXTS AND CULTURES

This course-based MA program is intended to give students an excellent grounding in cultural, literary, textual, and visual studies. It is also ideal preparation for students interested in pursuing further graduate work at the PhD level in English and Cultural Studies (among other related fields), as well as for those interested in pursuing careers in secondary-school teaching, publishing, management, marketing, and other careers in communications and cultural industries, where MA degrees are increasingly valued. Information about specific faculty research interests can be found on the Department of English website at <http://english.uwinnipeg.ca>, and, for faculty instructors from other departments, on the faculty member's home departmental website.

REQUIREMENTS FOR AN M.A. IN CULTURAL STUDIES: TEXTS AND CULTURES

ADMISSION REQUIREMENT

Applicants should have an Honours or Four-Year BA in English, a joint Honours or Four-Year BA in English and another subject, or an Honours or Four-Year BA in a field that provides the applicant with preparation in cultural, literary, textual, and/or visual studies. (Degrees we will consider include Honours or Four-Year BAs in Anthropology, Art History, History, Politics, Rhetoric and Communication, Sociology, and Women's and Gender Studies.) Other degrees and/or experience also will be considered on a case-by-case basis. A minimum number of courses in textual studies (the equivalent of 30 credit hours of study at the Honours level or 48 credit hours of study at other postsecondary levels) is required of all students, to be completed either before entry into the program or during a qualifying period.

DEPARTMENTAL ADMISSION REQUIREMENTS

4-Year Undergraduate degree

Minimum Entry requirement:

Overall GPA of 3.0

A GPA of 3.5 in the major subject

English requirement for applicants for whom English is an additional language:

A minimum TOEFL score of 600 (paper-based), 250 (computer-based), or 100 (internet-based), with a score of at least 22 on the writing and speaking component; or an IELTS score of 7.5. Please note that the TOEFL requirement is higher for the MA in Cultural Studies: Texts and Cultures than the general requirement for Graduate Studies at the University of Winnipeg.

The test should have been taken within a year of the date on which a completed application is filed.

PROGRAM REQUIREMENTS

Full-time students may complete this program of study over a twelve-month period. Students also may be enrolled in the program on a part-time basis, normally completing the program requirements in two years. All students take 24 credit hours of course work, including the required course in Research Methods and Practice (3 credit hours).

MINIMUM COURSE AND GRADUATION REQUIREMENTS

A minimum of 24 credit hours of course work is mandatory. Students should arrange their specific distribution of courses in consultation with the Graduate Program Advisor assigned to them or the Graduate Program Committee Chair.

Students are required to obtain a minimum grade of B (grade point of 3.0) in all courses presented for graduation.

Expected Time to Graduate: 12 months

Maximum Time to Graduate: 3 years

COURSE DESCRIPTIONS

GENG-7103(3) Research Methods and Practice This course aims to equip students with advanced bibliographical and research skills that will support their graduate study. Resources considered include archival, library, web-based, and informational technologies; the course incorporates theoretical and applied methodologies. Each year course material will be integrated with other graduate courses being offered.

GENG-7112(3) and GENG-7113(6) Topics in Cultural Theory These courses focus on such questions as: What constitutes a text? How do some texts come to be valued over others? How do questions of value relate to the distribution of power and authority? How do social differences such as race, ethnicity, class, and gender shape and unsettle cultural production and consumption over time? How may "cultural theory" and "critical theory" be situated in relation to one another?

GENG-7160(3) and GENG-7161(6) Topics in Cultures of Childhood These courses focus on such questions as: How has the subject category of "the child," different in different times and places, been used to secure definitions of class, nation, history, and the modern individual? How do digital, filmic, and television texts, texts of material culture such as toys and video games, and oral texts such as family stories and schoolyard games take up and reframe these debates? How does studying texts designed for young readers allow for theoretical investigations into the manufacture of consent in liberal democratic cultures?

GENG-7901(3) and GENG-7902 (6) Topics in Genders, Sexualities, and Cultures These courses focus on such issues as: the relationship between feminist theory, queer theory, and literary and cultural production; the impact of queer theory on historical considerations and contemporary understandings of sex, gender, and sexuality; the continued relevance of feminism and feminist theory to questions of gender and sexuality; and the development and circulation of terms such as "homosexual" and "heterosexual" and concepts such as "masculine" and "feminine," categories that have a fundamental impact on how we organize and understand cultures, subjectivities, and knowledges.

GENG-7740(3) and GENG-7741(6) Topics in Local, National, and Global Cultures These courses focus on such topics as: the implications of globalization for Canadian and Aboriginal texts and identities; the potential for dialogue and collaboration across nations and cultures; the ways in which local histories and contexts engender different relations to the global; and the language of human rights.

GENG-7811(3) and GENG-7812(6) Topics in Manuscript, Print, and Digital Cultures These courses will focus on such topics as: historical and contemporary theoretical debates over aesthetics and culture; archiving and public memory; orality and writing; popular cultures and reading publics; copyright and censorship; manual, industrial, and digital publishing; book production, distribution and consumption; and media institutions.

GENG-7820(3) and GENG-7821(6) Topics in Visual Cultures These courses focus on visual images, the circumstances of their production, and the variety of cultural and social functions they serve. The study of visual culture includes artefacts from all historical periods and cultures, as well as media such as film, television, and the internet. The discourses around seeing and the cultural construction of the visual are taken into account.

GENG-7122(3) and GENG-7131(6) Special Studies in Cultural Theories and Practices These courses encourage students to consult with interested faculty members from English and cognate departments to develop reading courses related to particular areas of cultural theories and practices. Individualized programs for completing the required course work as well as independent study projects are submitted to be approved by the Cultural Studies Graduate Program Committee. Cognate departments include the following, among others: Anthropology; Politics; Sociology; Philosophy; History; Rhetoric, Writing, and Communications.

CURATORIAL PRACTICES

Specialization Advisor: Serena Keshavjee

This course-based MA is intended to give students an excellent foundation in both the academic and professional aspects of gallery and museum work. The mixture of theoretical and practical courses in the Curatorial Practices specialization, which includes courses from the Texts and Cultures specialization, will introduce students to critical issues in the study of visual cultures. Students study historical and contemporary curatorial principles in a seminar format as well as engaging in a hands-on Practicum course with individual placements in partnered art institutions, such as the Winnipeg Art Gallery, Plug In ICA, and the Buhler Gallery at St Boniface Hospital. Graduates of the Curatorial Practices specialization will be prepared for employment in visual arts institutions as curators, art historians, critical writers, gallery educators; in the field of communications, and in archival and museum institutions. They may also go on to pursue further doctoral studies in Art History. The specialized courses in Curatorial Practices are open to all students in Cultural Studies

REQUIREMENTS FOR AN M.A. IN CULTURAL STUDIES: CURATORIAL PRACTICES

ADMISSION REQUIREMENT

Applicants should have an Honours or Four-Year BA in Art History, a joint Honours or Four-Year BA in Art History and another subject, or an Honours or Four-Year BA in a field that provides the applicant with preparation in cultural, literary, textual, and/or visual studies. (Degrees we will consider include Honours or Four-Year BAs in English, Anthropology, History, Fine Arts, Politics, Rhetoric and Communication, Sociology, and Women's and Gender Studies). Other degrees and/or experience also will be considered on a case-by-case basis. A minimum number of courses in visual studies (the equivalent of 30 credit hours of study at the Honours level or 48 credit hours of study at other postsecondary levels) is required of all students, to be completed either before entry into the program or during a qualifying period.

PROGRAM REQUIREMENTS

Full-time students may complete this program of study over a twelve-month period. Students also may be enrolled in the program on a part-time basis, normally completing the program requirements in two years. All students take 24 credit hours of course work, including the required course in Research Methods (3 credit hours) and the required course in Practicum in Curatorial Practices (6 credit hours).

MINIMUM COURSE AND GRADUATION REQUIREMENTS

A minimum of 24 credit hours of course work is mandatory. Students should arrange their specific distribution of courses in consultation with the Graduate Program Advisor assigned to them or the Curatorial Practices Advisor.

Students are required to obtain a minimum grade of B (grade point of 3.0) in all courses presented for graduation.

Expected Time to Graduate: 12 months

Maximum Time to Graduate: 3 years

COURSE DESCRIPTIONS

GHIST-7831(6) Practicum in Curatorial Studies GENG-7831(6) Special Studies in Cultural Theories and Practices

This course combines the theory and practice of curatorial work, public history, and experiential learning for students interested in achieving a university credit by working with a local museum or art gallery. Students are expected to work 6 hours a week in the host institution, as well as to attend classes once a week to gain a theoretical perspective on their work. Partnership opportunities include local galleries and museums.

GHIST-7830(6) The History of Museums and Collecting GENG-7821(6) Topics in Visual Cultures

Museums do more than just collect art objects; they display and produce culture. This course examines the collecting practices of Western museums, before and after the Enlightenment, as well as ideologies of collecting. We investigate how museums developed in tandem with the discipline of art history, and how both institutions were dependent on nineteenth and twentieth century ideologies of nationalism and colonialism. Students study the functioning

of artefacts and collections in the construction of cultural and national identities. Collections from the Medieval, Renaissance and Modern periods may be studied, including European and North American museums and galleries.

HIST-4801(6)/GHIST-7801(6) Advanced Studies in Art History

This course addresses interpretations of selected topics in Art History as they have appeared in the literature. Possible topics include Feminism and Art History, Theories and Methods for Art History, or the work of a particular artist, period or movement. Wherever possible, topics are examined through the analysis of materials available in local collections and exhibitions.

HIST- 4815(6)/GHIST-7801(6) Art History and Exhibition Practice This course brings students into first-hand contact with selected art objects in order to learn how to design and mount an exhibition. The class examines works in their social, historical, and artistic contexts, using primary sources

and technical resources available locally whenever possible. Students learn the practical aspects of art historical work.

GENG-7103(3) Research Methods and Practice This course aims to equip students with advanced bibliographical and research skills that will support their graduate study. Resources considered include archival, library, web-based, and informational technologies; the course incorporates theoretical and applied methodologies. Each year course material will be integrated with other graduate courses being offered.

GENG-7112(3) and GENG-7113(6) Topics in Cultural Theory These courses focus on such questions as: What constitutes a text? How do some texts come to be valued over others? How do questions of value relate to the distribution of power and authority? How do social differences such as race, ethnicity, class, and gender shape and unsettle cultural production and consumption over time? How may "cultural theory" and "critical theory" be situated in relation to one another?

GENG-7160(3) and GENG-7161(6) Topics in Cultures of Childhood These courses focus on such questions as: How has the subject category of "the child," different in different times and places, been used to secure definitions of class, nation, history, and the modern individual? How do digital, filmic, and television texts, texts of material culture such as toys and video games, and oral texts such as family stories and schoolyard games take up and reframe these debates? How does studying texts designed for young readers allow for theoretical investigations into the manufacture of consent in liberal democratic cultures?

GENG-7901(3) and GENG-7902 (6) Topics in Genders, Sexualities, and Cultures These courses focus on such issues as: the relationship between feminist theory, queer theory, and literary and cultural production; the impact of queer theory on historical considerations and contemporary understandings of sex, gender, and sexuality; the continued relevance of feminism and feminist theory to questions of gender and sexuality; and the development and circulation of terms such as "homosexual" and "heterosexual" and concepts such as "masculine" and "feminine," categories that have a fundamental impact on how we organize and understand cultures, subjectivities, and knowledges.

GENG-7740(3) and GENG-7741(6) Topics in Local, National, and Global Cultures These courses focus on such topics as: the implications of globalization for Canadian and Aboriginal texts and identities; the potential for dialogue and collaboration across nations and cultures; the ways in which local histories and contexts engender different relations to the global; and the language of human rights.

GENG-7811(3) and GENG-7812(6) Topics in Manuscript, Print, and Digital Cultures These courses focus on such topics as: historical and contemporary theoretical debates over aesthetics and culture; archiving and public memory; orality and writing; popular cultures and reading publics; copyright and censorship; manual, industrial, and digital publishing; book production, distribution and consumption; and media institutions.

GENG-7820(3) and GENG-7821(6) Topics in Visual Cultures These courses focus on visual images, the circumstances of their production, and the variety of cultural and social functions they serve. The study of visual culture includes artefacts from all historical periods and cultures, as well as media such as film, television, and the internet. The discourses around seeing and the cultural construction of the visual are taken into account.

GENG-7122(3) and GENG-7131(6) Special Studies in Cultural Theories and Practices These courses encourage students to consult with interested faculty members from English and cognate departments to develop reading courses related to particular areas of cultural theories and practices. Individualized programs for completing the required course work as well as independent study projects are submitted to be approved by the Cultural Studies Graduate Program Committee. Cognate departments include the following, among others: Anthropology; Politics; Sociology; Philosophy; History; Rhetoric, Writing, and Communications; and Women's and Gender Studies.

MASTER'S IN DEVELOPMENT PRACTICE (MDP)

Updated April 12, 2013

(Acting) Director: Professor Jerry Buckland (International Development Studies)

Coordinator: Tamara Dionne Stout

CN-Indigenous Resource Centre Employment Counselor: Leona Boucher

General Contact Information

Telephone: 204-258-2998

Website: <http://www.uwinnipeg.ca/index/mdp-home>

Email: mdp@uwinnipeg.ca

Program Description

The Master's in Development Practice in Indigenous Development is an interdisciplinary graduate degree that equips a new generation of development practitioners with the broad knowledge and practical skills needed to understand and respond to complex development challenges. The MDP at the University of Winnipeg is one of the 22 founding MDP programs world-wide supported by the MacArthur Foundation and the only one specifically with a focus on indigenous development. The goal of the MDP program is to train interdisciplinary development practitioners across the core areas of health, natural/environment sciences, social sciences, and economics/management. The unique Global Classroom experience, bringing together students and faculty from around the MDP network, is just one innovative feature of the curriculum and pedagogy of the MDP at the University of Winnipeg. There is a strong emphasis on the development of analytical and applied skills in both the program and field-training. Graduates will be able to excel within indigenous governments and organizations, in all levels of government, and in non-governmental organizations, both locally and abroad. Graduates are skilled practitioners, able to rally a team of highly skilled others around them to focus in on indigenous (and other) development challenges as they arise.

Students choosing the Master's in Development Practice in Indigenous Development should consider the following points:

1. The 2-Year MDP is designed to serve students with a professional interest in global and indigenous issues and challenges. It is designed for those who will work in the field of development, in Canada and abroad.
2. The program requirements are set in part by the network of MDP programs world-wide with the additional emphasis on indigenous development unique to the University of Winnipeg program.
3. It is possible to complete the MDP on a part-time basis.
4. Students will complete two field placements of 2-3 months duration during summers – one in Canada and one outside of Canada.
5. The current tuition cost is \$37,010 for the 2-Year full-time program. Part-time attendance is pro-rated. Financial assistance is available; see 'How to Apply,' below.

DEGREE PROGRAM

Program Features

- Program Orientation
- Classroom: 54 credit hours of courses (listed below)
- Field Placements: 2 field placements (domestic and international)

NOTE: Program orientation begins in August, prior to the start of classes.

Required Courses

YEAR ONE COURSES

GDP-7700(0)	Orientation to Master's in Development Practice
GDP-7707(3)	Indigenous Economic Development
GDP-7708(3)	Foundations in Sustainable Development Practice (The Global Classroom)
GDP-7709(6)	Indigenous Thought and Worldviews: Sustainable Understandings
GDP-7710(3)	Comparative Indigenous Health
GDP-7714 (0)	Canadian Field Placement in Development Practice
GDP-7721(3)	Theories and Methods of Program Planning and Evaluating
GDP-7722(3)	Indigenous Research Methods
GDP-7750(3)/GEOG-4450	Managing for Environmental Sustainability
GDP-7790 (3)	Seminar in Development Practice (<i>Runs over 2 years</i>)
GDP-7791 (3)	Special Topics in Development Practice: Quantitative Research Methods

YEAR TWO COURSES

GDP-7702(3)	Human Security and Indigenous Knowledge
GDP-7703(3)	Indigenous Education in an Era of Globalization
GDP-7704(3)	Health and Sustainable Development
GDP-7705(3)	Environment and Sustainability: Farming, Fishing and Forestry
GDP-7706(3)	Leadership and Human Resources Management
GDP-7711(3)	Macroeconomic Policy and Sustainable Development
GDP-7712(1.5)	Poverty and Human Rights
GDP-7713 (1.5)	Business Planning in Indigenous and Marginalized Communities
GDP-7715 (0)	International Field Placement in Development Practice
GDP-7790 (3)	Seminar in Development Practice (<i>Runs over 2 years</i>)
GIS-7023/4023(3)	Indigenous Peoples, Globalization and Development

COURSE DESCRIPTIONS

YEAR ONE COURSES

GDP-7700(0) ORIENTATION TO MASTER'S IN DEVELOPMENT PRACTICE (S,V) The mandatory course provides an immersion orientation in an indigenous community for first year MDP students prior to first year course work. Students interact with community members who provide mini-lectures and demonstrations of problems, concerns, and issues of relevance to the indigenous community. Guest lectures provide additional material introducing issues in indigenous development practice locally and globally. The course will be graded on a Pass/Fail basis.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7707(3) INDIGENOUS ECONOMIC DEVELOPMENT (Le3) This course considers different pathways to economic development for indigenous peoples. In many countries around the world, indigenous groups are excluded from the benefits of modern market-based economies. This course considers how public policy might foster economic development among indigenous groups, either through more complete integration into market economies, as workers and entrepreneurs, or through alternative models that emphasize economic self-determination and self-governance through community economic development. Students will be introduced to microeconomic theory as a means of understanding the strengths and limitations of market economies. A number of case studies will be used to illustrate best practices for development.

PREREQUISITES: Admittance into MDP program OR instructor's permission.

GDP-7708(3) GLOBAL CLASSROOM: INTEGRATED APPROACHES TO SUSTAINABLE DEVELOPMENT PRACTICE (Le1,S2) This course provides students with the basic core competencies and practical skills required of a "generalist" or "integrative" development practitioner and serves as the foundation course for the Master's in Development Practice curriculum. The course is offered concurrently at several universities around the world, and each week students have the opportunity to learn from expert practitioners and engage in discussion with each other. Course topics are grounded in a practical, multi-disciplinary approach that focuses on the inter-relationship of each of the following core fields of study: Health Sciences, Natural Sciences, Social Sciences and Management.

PREREQUISITES: Admittance into MDP program OR instructor's permission.

GDP-7709(6) INDIGENOUS THOUGHT AND WORLDVIEWS: SUSTAINABLE UNDERSTANDINGS (S3) This course brings the student into ceremonies, discussions, research, and conceptualizations exercises which enable them to begin understanding indigenous thought and worldviews, particularly of the Anishinaabe and the Dakota. The course provides tools and opportunities for students to free themselves from ethnocentric thinking while being educated in the nodal thinking of the Anishinaabe people. The course is experiential and follows the teachings of the annual round of seasonal activities. The course helps the student gain insights into the core concepts of sustainable development, global sustainability, earth stewardship, and self-determination through indigenous perspectives.

PREREQUISITES: Admittance into MDP program OR instructor's permission.

GDP-7710(3) COMPARATIVE INDIGENOUS HEALTH (S3) This course examines key issues in comparative health. Course material provides critiques of the assumptions and practices of biomedicine, the dominant healthcare system in much of the western world, and discusses the

commodification of health, the social construction of disease, and the impacts of socioeconomic factors in indigenous contexts. Students will also study within the indigenous context the impacts of gender, age, policies, and geographic/ecological location on health. Students are introduced to theories and methods used to understand health belief systems of individuals and communities and examine comparative case studies from Indigenous communities worldwide.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7714 (0) CANADIAN FIELD PLACEMENT IN DEVELOPMENT PRACTICE (P) The field placement allows students to ground their academic learning with experiential learning within the auspices of an organization or community. The field placement involves voluntary work, exposure to new cultural, social and/or economic situations and hands-on experience in the area of indigenous development. Students, in consultation with the MDP Director and Program Coordinator, select a Canadian field placement site and complete the equivalent of eight to ten weeks at the field placement. This is usually completed during the summer months. The students produce a field placement portfolio that includes a journal and a report.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7721(3) THEORIES AND METHODS OF PROGRAM PLANNING AND EVALUATING (S3) This course examines theories and methods of program planning and evaluating in international development, with particular focus on indigenous peoples. Often, planning relationships are conflictual, both between communities and the state, and within communities. As such, the course highlights methods that are participatory, community-based and relevant for and applicable to domestic and international indigenous communities. The course examines the stages of the project cycle: problem identification, analysis, program design, implementation, and includes formative and summative evaluation. The course familiarizes student-practitioners with methods, and requires they develop skills useful in the planning and evaluation of programs and projects.

PREREQUISITES: Admittance into MDP program OR instructor's permission.

GIS/GDP-7722(3) INDIGENOUS RESEARCH METHODS (Le3) This course provides a review of the movement towards the decolonization of the Western model of research and the revitalization of indigenous research frameworks and methodologies. The course also offers analysis of Western research methods and both their histories in colonial practices as well as their potential usefulness in indigenous community-based development research and applications. The unique issues and principles involving ethical research in Indigenous communities are explored. The course also includes an overview of indigenous control of their own research and ethical review processes related to development issues, programs, and implementation.

PREREQUISITES: Admittance into MDP program OR instructor's permission.

GEOG/GDP-7750(3) MANAGING FOR ENVIRONMENTAL SUSTAINABILITY (S3) This course considers geographic and environmental approaches to sustainable staples-based development, particularly as they apply to water, energy, and mining. Discussion begins by outlining change, complexity, uncertainty and conflicts associated with primary and derived resources, including those contributing to climate change. Important technological innovations and policy developments designed to address these challenges are contemplated. The roles and contributions of indigenous knowledge are

discussed within the context of corporate social responsibility policies, public-private initiatives, community-based resource management, adaptive management, and social learning through public participation.

PREREQUISITES: Admittance into MDP program OR instructor's permission.

GDP-7790(3) SEMINAR IN DEVELOPMENT PRACTICE

(VARIES) This course enables students to interact with key leaders (scholars and practitioners) in the field of development practice. The emphasis is on enabling the entire MDP cohort of students to meet, as the opportunity presents itself, with leaders in development, and in particular, indigenous development. The goal is to expose students, in an integrated learning environment, to conceptual and practical issues and innovative development practices as presented by a variety of speakers who present to and lead discussions with MDP students.

PREREQUISITES: Admission to MDP.

GDP-7791-3 SPECIAL TOPICS: QUANTITATIVE RESEARCH METHODS (S3) GDP-7791-3 SPECIAL TOPICS: QUANTITATIVE RESEARCH METHODS (S3)

This course focuses on particular aspects of indigenous development. This course is an advanced study of the techniques and methodology of quantitative research. This course will explore important methodological questions and provide an opportunity for students to gain firsthand experience of quantitative analysis using a variety of sophisticated techniques such as correlation and regression analysis, hypothesis testing, and ANOVA. The course is divided into three sections: descriptive statistics, hypothesis testing/inferential statistics, and data modelling. Students will be expected to demonstrate their understanding of the concepts learned theoretically and apply the statistical techniques to practical problems in the literature.

PREREQUISITES: Admission to MDP or instructor's permission.

YEAR TWO COURSES

GDP-7702(3) HUMAN SECURITY AND INDIGENOUS KNOWLEDGE (S3) This course seeks to bring together two frameworks, human security and traditional indigenous knowledge and cultures, to examine the practice of development. Students study the UN Declaration on the Rights of Indigenous peoples; investigate basic concepts of human security; and explore specific case studies and issues. Examples of topics include: human rights, Indigenous peoples and extractive industries, urban sustainable development, Arctic development, and the legal empowerment of the poor.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7703(3) INDIGENOUS EDUCATION IN AN ERA OF GLOBALIZATION (S3)

This course examines various Indigenous learning systems and their adaptations within a global world. As societies become more integrated through globalization, traditional Indigenous learning systems are being challenged as to their viability. In response, Indigenous peoples are adapting their learning systems to meet the challenges that are occurring to the social fabric of their cultures. More generally, this course brings Indigenous perspectives on education to the analysis of globalization.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7704(3) HEALTH AND SUSTAINABLE DEVELOPMENT (S3)

This course examines the interactive relationship between health and sustainable development to address issues relevant to indigenous and other disadvantaged populations in Manitoba and throughout the world. The course introduces and reviews basic concepts,

knowledge, and skills related to public and population health sciences; and uses problem-based learning in an interactive seminar setting to apply the knowledge and skills to real problems in health and sustainable development in a variety of settings.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7705(3) ENVIRONMENT AND SUSTAINABILITY (S3)

This seminar course considers the application of environmental knowledge to the development of sustainable resource management. Special attention is paid to Indigenous communities which are concerned with the management of farm, fishery and forest resources. The course focuses on the process of generating sustainable development policies and strategies that address the environmental, economic, social, cultural and ethical challenges facing resource-based Indigenous communities.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7706 LEADERSHIP AND HUMAN RESOURCE MANAGEMENT (S3)

This course addresses leadership and human resource management alongside key concepts of financial management, including elaboration of budgets, grant proposals, and corresponding activity plans. Students explore concepts of commodities management, integrating lessons from real-world challenges of production management, procurement, and distribution of required resources (for example, medical supplies); develop leadership skills for human resource management, including the ability to mentor and inspire co-workers and subordinates; and gain knowledge of relevant human resource policies and procedures. Students explore procurement and logistical processes in resource-poor settings around the world and in Indigenous contexts, and the practice of effective leadership in these settings.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7711 MACROECONOMIC POLICY AND SUSTAINABLE DEVELOPMENT (S3)

This course considers how economic theory improves the understanding of issues facing developing communities. Its focus is on macroeconomics; however, lectures also discuss how macroeconomic issues may impact local economies. The course introduces students to a simple model of the determination of national income; examines issues of economic growth, debt, financial crises and international trade; and analyzes policy instruments for ensuring that economic development is environmentally sustainable.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7712(1.5) POVERTY AND HUMAN RIGHTS (S3)

This course investigates issues of poverty and human rights among Indigenous peoples and communities. The course engages students in a problem- and group-based approach to understanding and addressing poverty and human rights by applying these concepts in a major case study.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7713(1.5) BUSINESS PLANNING IN INDIGENOUS AND MARGINALIZED COMMUNITIES (S3)

This course considers entrepreneurship and the distinctive financing, marketing, and management challenges of starting and operating a small business or social enterprise in indigenous and resource-poor settings. Students complete a business plan during the course for a real-world indigenous organization or entrepreneurial setting, and learn what information and research is required for effective business planning. Students are exposed to variations that are

necessary for different types of organizations, including charity, non-profit, social enterprise and entrepreneurial ventures. Requirements include marketing, strategic and feasibility planning within the business plan as well as the creation of financial projections.

PREREQUISITES: Admission to MDP or instructor's permission.

GDP-7715 (0) INTERNATIONAL FIELD PLACEMENT IN DEVELOPMENT PRACTICE (P) The field placement allows students to ground their academic learning with experiential learning within the auspices of an organization or community. The field placement involves voluntary work, exposure to new cultural, social and/or economic situations and hands-on experience in the area of indigenous development. Students, in consultation with the MDP Director and Program Coordinator, select a field placement site outside of Canada and complete the equivalent of eight to ten weeks at the field placement site. This is usually completed during the summer months. The students produce a field placement portfolio that includes a journal and a report.

PREREQUISITES: Admission to MDP or instructor's permission.

IS-4023/7023(3) INDIGENOUS PEOPLES, GLOBALIZATION AND DEVELOPMENT (Le3) Indigenous peoples today are enmeshed in the expanding modern economy, subject to the pressures of both market and government. More and more indigenous communities are rejecting the traditional capitalist vision of development as human and environmental exploitation and focusing on new types of local development projects. This course analyzes some of the conflicts associated with traditional development projects in indigenous communities. Taking indigenous peoples as actors, not victims, as its starting point, the class will then examine innovations in indigenous economic development that are culturally respectful, environmentally responsible and build a new sense of community. There are different and more stringent requirements for students enrolled at the 7xxx level.

PREREQUISITES: Admission into MA or MDP programs OR instructor's permission.

ADMISSION REQUIREMENTS

Admission is open to university graduates holding a relevant, recognized 4-Year General or Honours Bachelor degree with a cumulative grade point average of 3.0 or better in the last 60 credit hours of coursework; with minimum 3 credits of Statistics. Students holding a 3-year undergraduate degree may be admitted to the Master's program upon successful completion of a University of Winnipeg designed pre-Master's program which consists of a set of upper-level undergraduate courses. It is considered an asset to have a second language.

A relevant degree may include but is not restricted to the following: Aboriginal/Indigenous/Native Governance or Studies, Business or Public Administration, Conflict/Dispute Resolution, International/Development Studies, Economics, Gender/Women's Studies, History, Law, Philosophy, Politics, Religious Studies, Sociology, Geography, Medicine, and Agriculture.

In addition to meeting the criteria for entrance to Graduate School, student admission is based upon:

- experience and/or research achievement in the broad field of development practice,
- some familiarity with Indigenous cultures and understanding of issues relating to indigenous development,
- applied research design and project planning and management, and
- some familiarity with policy design and implementation.

HOW TO APPLY

1. Complete the **application form** found online at: <http://www.uwinnipeg.ca/index/mdp-application>.
2. Submit one **official transcript** of academic work completed to date, sent directly from each issuing institution.
3. Submit two **letters of recommendation** from individuals familiar with your academic work.
4. **Cover Letter:** In 500 words or fewer, concisely state the rationale for your interest in this program. Include other information which you have not yet included in the application. Examples might include exceptional commitment to a particular development interest, relevant employment history, strong extra-curricular activities, demonstrated ability to overcome adversity, or social, political or charitable interests. *A curriculum vitae or resumé may be included.*
5. Submit a Student Financial Profile Form. Use the "Additional Comments" section to note special status, such as Indigenous or Aboriginal, or other factors not otherwise included in the Application Form. Include the Student Financial Profile with your application materials – do NOT submit it to the Office of Awards and Financial Aid:
6. **English language requirement** (where applicable, please see, 'English Exempt Countries': <http://www.uwinnipeg.ca/index/intl-english-exempt-countries>)
The test should have been taken within the preceding year of the date the completed application is submitted

Annual deadline for applications: February 1st. Applications may be accepted after the deadline; please contact the Coordinator at: mdp@uwinnipeg.ca.

Completed application forms should be submitted to:

Graduate Studies Admissions Office
Graduate Studies Enrollment and Budget Officer
University of Winnipeg
3D07B-515 Portage Avenue
Winnipeg, Manitoba R3B 2E9

Canada
Telephone: (204) 786-9309
Fax: (204) 774-4134
Email: d.habtemariam@uwinnipeg.ca

For more information Contact MDP directly:

MDP Program Coordinator
Telephone: (204) 258-2998
Email: mdp@uwinnipeg.ca

MASTER OF ARTS ENVIRONMENTAL, RESOURCE AND DEVELOPMENT ECONOMICS (ECON)

Updated April 12, 2013

Graduate Program Committee Chair: S. Dodds **Professors:** P. Cyrenne, X-Y. Dong, H. Grant; **Associate Professors:** S. Baksi, M. O'Gorman, M. Pandey, J. Townsend; **Assistant Professors:** W. Cai, S. Dodds, M. Dubrovinsky, A. Ray Chaudhuri, H. Ta.

DEGREES/PROGRAMS OFFERED M.A.

The Master of Arts in Environmental, Resource and Development Economics (ERDE) provides an opportunity for students to acquire competency in economic analysis, and to apply this knowledge to problems affecting low-income communities, resource use and the environment. Contemporary social and environmental concerns have focused attention on the sustainability of economic growth strategies pursued by different countries. The ERDE program investigates these issues with the use of modern analytical tools, and develops students' expertise in environmental, resource, and development economics.

Graduates of the ERDE program will study advanced microeconomics and macroeconomics, and will learn rigorous quantitative methods of analysis. Students also have the option of completing a research project as part of their degree program, and can introduce an interdisciplinary aspect into their studies by taking complementary elective courses from elsewhere in the University.

Further information on the ERDE program may be found at www.uwinnipeg.ca/erde

REQUIREMENTS FOR THE M.A. IN ENVIRONMENTAL, RESOURCE AND DEVELOPMENT ECONOMICS

ADMISSION REQUIREMENT

Students must hold, or reasonably expect to hold by the time of entry into the program, an Honours Bachelor's degree. The minimum acceptable CGPA (Cumulative Grade Point Average) is 3.0 out of a possible 4.0, equivalent to "B" on a letter grade scale. The Department of Economics will assess degrees earned outside Canada to determine their equivalency.

An Honours B.A. in Economics with a strong quantitative background is the normal prerequisite for admission to the M.A. program. Applicants with high standing in another undergraduate discipline may also be eligible for admission, provided that they have adequate preparation in Economics. Applicants without sufficient background in Economics may be admitted to a Qualifying Year of the program.

The Graduate Record Examination (General Test) is recommended for students who do not have an undergraduate or graduate degree from a Canadian university.

One of the following satisfies our English Language Requirement for International Students:

- A minimum TOEFL score of 550, or 213 on the computer-based TOEFL test, is needed.
- A minimum IELTS score of 6.5 based on Module A, B or C (the General Training Module is not acceptable).
- A passing grade in the highest level (Level 5) of the 14-week Academic English Program offered through the Division of Continuing Education, The University of Winnipeg.
- A minimum overall result of 60 on the Canadian Academic English Language Assessment (CAEL).
- A score of C on the Cambridge Certificate of Proficiency in English (CPE) exam.
- A minimum score of 80% on the Michigan English Language Assessment Battery (MELAB).
- Successful completion of AEPUCE (Academic English Program for University and College Entrance) offered through the University of Manitoba and Red River College.

The test should be or have been taken within a year of the date a completed application is filed.

APPLICATION DEADLINE AND PROCEDURE

The deadline for applications is February 1st. The application form may be found at:

<http://www.uwinnipeg.ca/index/grad-studies-programs>. Instructions for applying to the program are found on the application form itself.

For more detailed information, please contact:

Graduate Studies Admissions Office
The University of Winnipeg
3D07A-515 Portage Avenue
Winnipeg, Manitoba R3B 2E9
phone: 204.786.9309
email: d.habtemariam@uwinnipeg.ca

Questions regarding the application procedure may also be sent to: econgrad@uwinnipeg.ca

PROGRAM REQUIREMENTS

Students must complete a total of 24 credit hours to graduate from the program. There are two possible options:

Option 1: Course Work and Research Project - Students are required to complete a 6 credit hour research project, and must take Applied Econometrics (GECON 7201), Development Economics (GECON 7305), Environmental Economics or Natural Resource Economics (GECON 7317 or GECON 7311), and a fourth course from among the core courses listed below. The remaining 6 credit hours may be fulfilled with either (i) 6 credit hours of electives from the Economics department (listed below) or from eligible electives in other departments across the university, or (ii) 3 additional credit hours from among the core courses listed below, and 3 credit hours of electives from either the Economics department (listed below) or from eligible electives in other departments across the university, or (iii) 6 additional credit hours from among the core courses listed below. Students selecting options (i) or (ii) must provide evidence of upper level coursework (equivalent to the 4000 level) in the areas not selected from the six core courses.

Option 2: Course Work Only – Students may opt to fulfill the 24 credit hours requirement through course work only. Those choosing this option will be required to take the 6 core Economics courses (18 credit hours) below and an additional 6 credit hours in elective courses. Electives may be chosen from the Economics department (listed below), or from other departments across the university.

The list of eligible electives from other departments across the university may be found at: <http://www.uwinnipeg.ca/index/economics-graduate-program-eligible-electives>

Upon entry into the program, students will be assigned a faculty advisor who will guide them in choosing their course of study.

SECOND LANGUAGE REQUIREMENT: None
EXPECTED TIME TO GRADUATE: 1 year
MAXIMUM TIME REQUIRED TO GRADUATE: 5 years

Economics Department Courses

Core courses:

- **GECON-7102/3** MICROECONOMICS
- **GECON-7103/3** MACROECONOMICS
- **GECON-7201/3** APPLIED ECONOMETRICS
- **GECON-7305/3** DEVELOPMENT ECONOMICS
- **GECON-7311/3** NATURAL RESOURCE ECONOMICS
- **GECON-7317/3** ENVIRONMENTAL ECONOMICS

Electives:

- **GECON-7203/3** TOPICS IN MATHEMATICAL ECONOMICS
- **GECON-7303/3** TOPICS IN APPLIED ECONOMICS
- **GECON-7310/3** TOPICS IN INTERNATIONAL ECONOMICS
- **GECON-7311/3** TOPICS IN THE HISTORY OF ECONOMIC THOUGHT
- **GECON-7313/3** TOPICS IN INDUSTRIAL ORGANIZATION AND COMPETITION POLICY
- **GECON-7314/3** TOPICS IN PUBLIC ECONOMICS
- **GECON-7316/3** TOPICS IN REGULATION AND PUBLIC ENTERPRISES

Research Project

- **GECON-7000/6** RESEARCH PROJECT

COURSE DESCRIPTIONS

Core courses

GECON-7102(3) MICROECONOMICS (Le3) This course provides an introduction to microeconomic Theory at the advanced level. We consider consumer choice theory with certainty and under uncertainty, producer theory, and general equilibrium theory in the first part of the course. The second part of the course is dedicated to modern microeconomics of strategic interactions, game theory and information. We consider static and dynamic games, Bayesian games, oligopoly, and markets with information asymmetry.
PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor.

GECON-7103/3 MACROECONOMICS (Le3) This course discusses growth theories, stressing their empirical implications and the relation of theory to data and evidence. The growth theories covered include neoclassical theories, Solow-Swan model and the Ramsey-Cass-Koopmans model, as well as endogenous growth theories. In addition, the essentials of growth accounting and empirical analysis using

cross-country datasets, with a particular emphasis on convergence, are discussed.
PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor.

GECON-7201(3) APPLIED ECONOMETRICS (Le3)
This course covers methods of estimation and inference for single and simultaneous equations models, with an emphasis on the classical linear model. It also examines violations of the classical model that are commonly found in economic data, and develops procedures for estimation under these conditions.
PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor.

GECON-7305(3) DEVELOPMENT ECONOMICS (Le3)
This course provides an overview of the current literature on the economic growth and development of developing countries. Topics covered include economic growth, inequality, the role of geography, history, and institutions for sustainable growth, the internal structure

of households, human capital, and the functioning of factor markets. The objective of the course is to introduce students to some of the most active new areas of research on economic development and to apply the analytical and empirical tools for studying some of the most pressing issues faced by developing countries.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor.

GECON-7311(3) NATURAL RESOURCE ECONOMICS (Le3) This course reviews the normative foundations of

natural resource economics, addressing concepts such as efficiency, intergenerational equity and sustainability. Renewable and non-renewable resources such as forestry, fisheries, renewable energy, and fossil fuels are considered. The course further examines (i) the role of natural resources in economic development, and (ii) natural resource management under various market structures, regulatory regimes, and the existence of non-consumptive values.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor.

GECON-7317(3) ENVIRONMENTAL ECONOMICS (Le3) This course examines the interaction amongst economic activities/policies, environmental damage and social welfare. The course pursues an analytical approach to understanding the theoretical foundations for environmental economics – externalities, public goods and the regulation of polluting activities. It examines environmental policy in the context of complexities arising due to imperfect competition, international trade, regulatory enforcement, and uncertainty. Specific attention is paid to environmental problems in developing countries, and to current international environmental issues such as climate change.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor.

Electives:

GECON-7203(3) TOPICS IN MATHEMATICAL ECONOMICS (Le3) This course introduces advanced mathematical methods for formulating and analyzing economic theories and problems. Topics such as difference and differential equations, dynamic optimization, and game theory are presented with economic applications.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor. RESTRICTION: Students who have already taken ECON-4203 cannot enrol in this course for credit, unless the topic varies.

GECON-7303(3) TOPICS IN APPLIED ECONOMICS (Le3) This course examines issues in a selected area of economics. Possible areas include labour, health and development economics. The choice of topic depends on the instructor. The emphasis is on using empirical methods. Appropriate econometric techniques for addressing issues of endogeneity, selection bias, and unobserved heterogeneity may be covered. Students may repeat this course for credit, provided the topic varies.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor. RESTRICTION: Students who have already taken ECON-4303 cannot enrol in this course for credit, unless the topic varies.

GECON-7310(3) TOPICS IN INTERNATIONAL ECONOMICS (Le3) This course examines theoretical and applied topics related to international trade or international finance. Topics related to international trade may include a discussion of the benefits of trade, the effects of tariffs and quotas, customs unions and imperfect competition on trade. Topics related to international finance may include an examination of exchange rate policy, the fiscal and monetary effects of trade investment flows, and the development of the international monetary system.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor. RESTRICTION: Students who have already taken ECON-4310 cannot enrol in this course for credit, unless the topic varies.

GECON-7311(3) TOPICS IN THE HISTORY OF ECONOMIC THOUGHT (Le3) The economic and philosophical writings of Keynes and the “Cambridge Circus” are examined in the historical and social context of the times.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor. RESTRICTION: Students who have already taken ECON-4311 cannot enrol in this course for credit, unless the topic varies.

GECON-7313(3) TOPICS IN INDUSTRIAL ORGANIZATION AND COMPETITION POLICY (Le3)

This course examines industrial organization theory, which is the field in economics that examines the conduct and behaviour of firms in imperfectly competitive markets. Given this setting, firms have an incentive to undertake strategies which enhance their profitability, and in analyzing these strategies, we discuss a number of key concepts from game theory. Included in the course is an analysis of the behaviour of monopoly firms and their use of a variety of pricing and marketing practices. In addition, the course examines the effect of quality and durability of goods and the use of warranties by firms on social welfare.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor. RESTRICTION: Students who have already taken ECON-4313 cannot enrol in this course for credit, unless the topic varies.

GECON-7314(3) TOPICS IN PUBLIC ECONOMICS (Le3) This course deals with the theory of taxation and public expenditures within the context of first-best and second-best analysis. The theories of production, consumption, and other externalities are discussed. Other topics include the theory and practice of cost-benefit analysis and fiscal federalism. The economic analysis of collective decision-making in a non-market context is examined.

PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor. RESTRICTION: Students who have already taken ECON-4314 cannot enrol in this course for credit, unless the topic varies.

GECON-7316(3) TOPICS IN REGULATION AND PUBLIC ENTERPRISES This course examines a number of issues in the economics of regulation. Regulation is one form of government control of private firm behaviour, and involves control over the entry of firms, limits on pricing, and the regulations involving industry standards and operations, including environmental regulation. The course examines theories of regulation, the types of regulatory rules used, and the efficacy of those rules in enhancing

social welfare. Reference will be made to a number of regulated industries both in Canada and the U.S.
PREREQUISITES: Students must be enrolled in the ERDE program or obtain consent from the Instructor.
RESTRICTION: Students who have already taken ECON-4316 cannot enrol in this course for credit, unless the topic varies.

Research Project

GECN-7000(6) RESEARCH PROJECT (P) The aim of this course is to provide students in the M.A. in Environmental, Resource and Development Economics with an opportunity to undertake a research project, and to present it in a written essay. Instructors of this course will provide guidance to students on how to make an effective economic argument. Students choose the topic of their project in consultation with their instructor.
PREREQUISITES: Students must be enrolled in the ERDE program and obtain written permission from the Graduate Program Committee.

MASTER OF ARTS HISTORY (HIST / HIST)

Updated April 12, 2013

NOTE: The University of Manitoba department/program code HIST replaces the former code 011. Students cannot hold credit in HIST-XXX0 and the former 011.XXX having the same course number (eg. HIST-7730 and 011.733).

Graduate Chair - The University of Winnipeg	Dr. Mark Meuwese
Graduate Chair - The University of Manitoba	Dr. Greg Smith
Chair - Joint Discipline Committee	Dr. Mark Meuwese

The joint Master of Arts program is offered by the History Departments of The University of Winnipeg and the University of Manitoba. For admission to the Joint Master's Program, candidates must hold a B.A. Honours degree or equivalent in History with at least a 'B' or second class standing. Students who lack this qualification but who have an acceptable general degree with a history major (with an average of B in their history courses) are generally admitted to the Pre-M.A. program. All potential graduate students, particularly those currently enrolled in B.A. Advanced Placement Programs, should discuss their graduate program options with the Chair of the Joint Discipline Committee. For further information write to the Chair, Joint Discipline Committee. Course and thesis direction are offered at both institutions. Students completing the program will receive a joint parchment, and may choose to convocate from either of the participating universities.

Students choose one of three streams, a course M.A., a thesis M.A., or an Archival Studies stream. Requirements are as follows:

Course M.A.

- 24 credit hours of coursework at least 18 of which must be in History and at the 7000 level
- one 6 credit hour 4000 level course outside of history is permitted
- language exam in French or other relevant language
- two-hour written comprehensive exam in the major field, followed by an oral exam

Thesis M.A.

- 12 credit hours of coursework at the 7000 level selected from two areas of historical study
- language exam in French or other relevant language
- a thesis of ~80-100 double-spaced pages in length, defended at an oral examination

Archival Studies M.A.

- 18 credit hours of coursework, including HIST 7370 & HIST 7380 plus one additional 7000 level course (usually in Canadian history)
- summer internship (HIST 7390)
- 1 three-credit-hour elective course
- language exam in French or other relevant language
- a thesis on a topic relevant to Archival Studies of ~80-100 double spaced pages in length, defended at an oral examination

COURSE DESCRIPTIONS

Note: Course offerings vary from year to year. Course listings and departmental regulations for each program may be obtained from the Departments for the academic year.

AFRICAN and ASIAN

GHIST 7703(3) / HIST 7820 ISSUES IN MODERN ASIAN HISTORY 1: SELECTED TOPICS This course analyses important issues and recent developments in the history and historiography of modern Asia. Content of the course varies from year to year. Consult the History Department for particulars.

GHIST 7704(3) / HIST 7829 ISSUES IN MODERN ASIAN HISTORY 2: SELECTED TOPICS This course analyses important issues and recent developments in the history and historiography of modern Asia. Content of the course varies from year to year. Consult the History Department for particulars.

GHIST-7705(6) / HIST 7930 IMPERIALISM, DECOLONIZATION, AND NEO-COLONIALISM, 1700-PRESENT This course is an exploration of theoretically informed literature that has attempted to engage with and understand Imperialism, and Colonialism, Anti-Colonial Nationalism, National Liberation Movements and Neo-Colonialism.

GHIST-7708(6) / HIST 7280 TROPICAL AFRICA IN THE 19TH AND 20TH CENTURIES Emphasis will be placed on the development of the European-African relationship from the end of the slave trade to independence. Specific topics considered will be imperialism, African nationalism, colonialism, independence movements, revolutionary wars, and the European legacy in Africa.

AMERICAS

GHIST-7605(6) / HIST 7650 AMERICAN DIPLOMATIC HISTORY An examination of selected topics in American foreign relations.

GHIST-7606(6) / HIST 7240 STATE AND SOCIETY IN LATIN AMERICA Readings focus on state/society relations in the history of Latin America since colonial times. After considering different theoretical approaches, the course analyzes recent works that cover different historical periods, countries, issues, and social actors.

GHIST-7608(6) / HIST 7180 STUDIES IN AMERICAN HISTORY TO 1877 An examination of selected topics in American history from colonial beginnings to Reconstruction. Particular topics will be announced each year.

GHIST-7609(6) / HIST 7190 STUDIES IN AMERICAN HISTORY SINCE 1877 An examination of selected topics in American history from Reconstruction to the present. Particular topics will be announced each year.

GHIST-7701(6) / HIST 7730 MODERN LATIN AMERICA
An examination of selected themes such as economic and social change, political modernization, and external influences and intervention in Latin America during the nineteenth and twentieth centuries.

BRITISH AND COMMONWEALTH

GHIST-7304(6) / HIST 7230 NINETEENTH-CENTURY BRITAIN A study of British culture, politics, and diplomacy, 1830-1900.

GHIST-7309(6) / HIST 7740 ENGLAND IN THE LONG EIGHTEENTH CENTURY This course examines selected themes in the history of England's long eighteenth century, from 1660 to 1840. Specific topics vary from year to year, but include the transformation of political culture, the consequences of war, the question of national identities, the emergence of commercial society and the changes in social structure.

GHIST-7311(6) / HIST 7220 READING SEMINAR IN BRITISH HISTORY This course is a detailed examination of selected topics and problems in British history. Topics and content vary from year to year.

CANADIAN

GHIST-7503(6) / HIST 7330 HISTORY OF WESTERN CANADA A research course in western Canadian history. The range of subjects will vary from year to year depending on the interest of the students. The subjects range from the fur trade to modern political, social, and economic issues.

GHIST-7506(6) / HIST 7360 CANADIAN-AMERICAN RELATIONS A historical survey in which the student may concentrate on such periods and aspects (political, economic, cultural, diplomatic, etc.) as may be of particular interest.

GHIST 7507(6) / HIST 7750 GENDER HISTORY IN CANADA This course explores the roles, images, and experiences of masculinity and femininity in the past. The course familiarizes students with the changing theoretical and historiographical terrain of gender history. It draws on the international literature but focuses on the history of gender in Canada, and examines how historians analyze masculinity, femininity, the family, sexuality, politics, race/ethnicity, moral regulation, class, nation and colonialism.

GHIST-7508(6) / HIST 7640 SOCIAL HISTORY OF HEALTH AND MEDICINE IN MODERN CANADA The course explores the history of health and health care in Canada, with a focus on the late 19th and 20th century. Topics include colonization, infectious disease and aboriginal health; the evolution of the medical and nursing professions; the emergence of the modern hospital; mental health; psychiatry and the asylum; cancer; alternative therapies; childbirth; health and old age; and health and the state. Analytical categories of race, ethnicity, class, and gender are used throughout the class.

GHIST-7509(6) / HIST 7290 READING SEMINAR IN CANADIAN HISTORY, 1860 TO THE PRESENT While the specific course content may vary from year to year, the general approach shall be to ensure a broad sampling of the secondary literature in Canadian history. Political, social and economic themes will be emphasized and particular concern shall be taken with historiographical controversy.

GHIST-7510(6) / HIST 7600 NORTHERN HISTORICAL STUDIES This course is based upon a number of studies of various aspects of the North. Particular emphasis is given to the North in relation to the fur trade, exploration, and Canadian development.

GHIST-7511(6) / HIST 7810 STUDIES IN THE SOCIAL HISTORY OF BRITISH NORTH AMERICA, 1760-1867
Themes may include the fur trade, Euro-Indian relations, immigration, rural and urban social patterns, the instruments of culture (religion, education, the family, etc.) and the social implications of political and economic development.

GHIST-7517(6) / HIST 7670 STUDIES IN CANADIAN HISTORY This seminar will focus on social, intellectual, political, and economic themes. Specific topics will vary from year to year depending upon the interests of students and instructors.

MEDIEVAL

GHIST-7201(6) / HIST 7410 THE CRUSADES An inquiry into the origins of the Crusading movements in the West and into its impact in the East, with special reference to the role it played in hastening the end of the East Roman Empire.

GHIST-7202(6) / HIST 7420 MEDIEVAL MONASTICISM
Reading and research assignments in the history of Western Monasticism.

GHIST-7203(6) MEDIEVAL CULTURE This seminar studies selected aspects of the cultural, social, and religious life during the Middle Ages. Topics may include the popular and scholarly knowledge and beliefs concerning the world and humanity, the transmission of this knowledge, the place of humankind in the world and the role of the Church in society.

GHIST-7204(6) / HIST 7440 EUROPE IN THE FOURTEENTH CENTURY Readings and research assignments in the principal developments of the fourteenth century.

GHIST-7207(6) / HIST 7470 THE LATER MIDDLE AGES
Selected topics in economic, social, cultural, art and religious history of the later medieval world. Students may not hold credit for both HIST-7207(6) / HIST 7470 and the former 011.743.

GHIST-7208(6) / HIST 7480 THE EARLY MIDDLE AGES A detailed examination of selected aspects of the early medieval world during the period 313 A.D. — 800 A.D.

GHIST-7901(6) / HIST 7460 SCIENTIFIC STUDIES IN THE MIDDLE AGES The seven liberal arts in Greek, Roman, and European school literature and practice will be reviewed with emphasis on arithmetic, geometry, astronomy, and harmonics, and the development of experimental science.

MODERN EASTERN EUROPEAN

GHIST-7301(6) / HIST 7560 THE RUSSIAN REVOLUTION
The events constituting the Revolution proper (1917-21) will be studied in relation to their historical background and in the light of their subsequent impact both nationally and globally.

GHIST-7310(6) / HIST 7800 IMPERIAL RUSSIA A study of selected problems in Russian Imperial history covering the 18th and 19th centuries.

GHIST-7318(6) / HIST 7680 MODERN EAST CENTRAL EUROPE A study of nationalism and communism in the nineteenth and twentieth centuries - "western" attitudes towards the area will also be discussed. Excludes the Soviet Union.

MODERN EUROPEAN

GHIST-7210(6) / HIST 7510 EARLY MODERN EUROPEAN HISTORY A seminar which studies early modern Europe from the perspectives of new approaches to historiography.

GHIST-7302(6) / HIST 7520 THE AGE OF ENLIGHTENMENT Emphasis on eighteenth century French intellectual history and its relationship to the origins and course of the French Revolution. Some reading knowledge of French is almost essential.

GHIST-7305(6) / HIST 7550 TWENTIETH-CENTURY EUROPE An analysis of selected problems in the recent history of Europe.

GHIST-7306(6) / HIST 7660 NINETEENTH-CENTURY EUROPE An analysis of selected problems in the nineteenth-century European history.

GHIST-7902(6) / HIST 7690 POST-NEWTONIAN SCIENTIFIC THOUGHT Selected topics in the history of the physical, geological and biological sciences from the time of Newton through to the early 20th century. The relationships of scientific ideas to other philosophical, religious and social developments will be emphasized throughout.

MODERN WORLD

GHIST-7106(6) / HIST 7920 POPULAR RADICALISM IN THE MODERN WORLD Selected topics in the history of popular movements of social and political protest in the modern world. The course considers problems such as the development of radical theory and political practice, and the culture of dissent. Students may not hold credit for both HIST-7106(6) / HIST 7920 and the former 011.726.

GHIST-7108(6) / HIST 7910 STUDIES ON MODERN WORLD HISTORY A seminar emphasizing the period since 1945. With the agreement of the instructor and depending on the needs of their degree programs, students may elect a reading or research option.

SOCIAL

GHIST-7004(6) / HIST 7270 SPECIAL STUDIES IN SOCIAL HISTORY A seminar course, the content of which will vary from year to year.

GHIST-7006(6) / HIST 7760 HISTORY OF ABORIGINAL RIGHTS S3 A study of aboriginal rights from early contact to the present with a particular emphasis on treaties, the courts, and Aboriginal efforts to enforce specific forms of rights.

GHIST-7101(6) / HIST 7610 NATIONAL STATES AND NATIONAL MINORITIES A historical approach to the development of nationalism in Canada and the Europe. Special attention paid to the treatment of minority groups in the nineteenth and twentieth centuries in education and cultural fields.

GHIST-7107(6) / HIST 7710 HISTORY AND CULTURAL STUDIES A working guide to interdisciplinary approaches to the new field of Cultural Studies, examining its principal theoretical bases and existing and potential applications for the historian.

GHIST-7801(6) ADVANCED STUDIES IN ART HISTORY This course addresses interpretations of selected topics in Art History as they have appeared in the literature. Possible topics may include Theories and Methods for Art History or the work of a particular artist, period or movement. Wherever possible topics are examined through the analysis of materials available in local collections. Students are expected to take a leading role in class discussions and to undertake a major research project on a topic of relevance to the course. Each time the course is offered the selected topic will be listed in the Timetable.

GHIST-7903(6) HISTORY OF HEALTH AND DISEASE This seminar course introduces students to some of the principal issues and approaches in the history of health and disease. It is not a strictly chronological survey of the history of medicine. Rather, each week we explore a different aspect of the history of health from different historiographical perspectives. Topics include the development of the nursing and medical professions; the transformation of the hospital; mental health and the asylum; alternative therapies; colonization, infectious disease and aboriginal health; the history of disease; and health and the state.

GENERAL

GHIST-7005(6) / HIST 7700 HISTORICAL METHODS A seminar and workshop in historical method. The topics covered will encompass conventional research, analysis and writing, as well as the application of social science techniques to the analysis of historical problems, the fundamentals of data processing, and computer applications.

GHIST-7006(6) / HIST 7500 JEWISH AND EUROPEAN HISTORY AND HISTORIOGRAPHY This seminar examines issues relating to Jewish history and historiography in the context of European history and historiography.

GHIST-7007(6) HISTORY AND MEMORY This seminar examines the field of memory studies through a comparative transnational survey with a focus on Canada, USA, and Germany. Memory studies asks not 'What happened in the past?' but rather: 'How did individuals and groups remember the past?' To answer this question, historians study oral history and other forms of informal communication, formal history education, museums, monuments, film, and photography. Students learn about major concepts such as historical consciousness; narrativity; collective memory; public history; culture and politics of history, including "history wars."

GHIST-7008(6) HISTORY OF THE ATLANTIC WORLD This seminar uses the concept of an Atlantic World to examine the connections between Europe, the Americas, and West Africa from the first wave of European overseas expansion (1450-1500) to the Age of the Atlantic Revolutions (1775-1825). Topics may include the concept of Atlantic history, cultural contacts, religious exchanges, slavery and the slave trade, ecology and environment, commerce, migration, women and gender, and political ideas.

GHIST-7090(6) / HIST 7900 INTRODUCTION TO DOCUMENTARY EDITING Examination of the major problems of editing documents, including transcription procedures, palaeography, textual collation, editorial apparatus, computer text processing, permissions and copyrights, and publications.

OTHER

GHIST-7001(3) / HIST 7772 SELECTED TOPICS The content of this course varies. It is an advanced graduate seminar investigating topics that are not part of existing seminar courses. Students may repeat this course for credit if the topic varies.

GHIST-7002(3) / HIST 7774 INDEPENDENT STUDY / READING The content of this course varies. It is an advanced, independent reading/study course for graduate students on a topic of particular interest to the student.

Normally this topic is not offered in existing courses. Students may repeat this course for credit if the topic varies.

GHIST-7003(6) / HIST 7770 SELECTED TOPICS A program of independent reading and/or research on selected topics, undertaken and arranged by a student in consultation with a prospective instructor, upon the approval of the Graduate Chair.

Note: Master's students have the option of a History of Science area by combining **GHIST-7901(6) / HIST 7460** and **GHIST-7902(6) / HIST 7690**

For details consult the joint departmental brochure.

MASTER OF ARTS INDIGENOUS GOVERNANCE DEPARTMENT OF INDIGENOUS STUDIES (IS)

Updated January 31, 2013

Note: The department/program code IS replaces the former codes AG & 80. Students cannot hold credit in IS-xxxx and the former AG.xxxx & 80.xxxx having the same course number (e.g., IS-7020(3) and AG-7020(3) or 80.7020(3)).

Chair: J. Pelletier

Associate Professor : G. Nemogá – Graduate Coordinator;

Assistant Professors: L. Fontaine, S. Shukla, J. Romanow

Department Assistant: To be referred to Chair or Faculty, please call 204-786-9305

DEGREES and PROGRAMS OFFERED

3-Year BA in Indigenous Studies

4-Year BA in Indigenous Studies

Honours BA in Indigenous Studies

Master of Arts in Indigenous Governance

Joint Indigenous Studies/Aboriginal Governance Degree/Diploma (RRC/UW)

Master of Arts in Indigenous Governance

The Department of Indigenous Studies/IS (formerly the Aboriginal Governance Program) is grounded in the intellectual and cultural heritage of Indigenous peoples in Canada and around the globe. Students from all backgrounds and disciplines develop critical thinking skills through interdisciplinary coursework offered by the IS faculty and other departments including politics, anthropology, history, religious studies, and conflict resolution studies. IS recognizes and honors the central role of language as carrier of culture, conveyor of tradition and knowledge, and signifier of individual and community identity by supporting the teaching of the indigenous languages Ojibwe and Cree. The relationship of the IS with Indigenous peoples in Canada and abroad is one of reciprocity and support. The preparation of students includes the introduction of alternative world views involving interrelated themes of land, self-determination, cultural preservation and revitalization, indigenous knowledge and natural resources, historical agency, and representations of Indigenous peoples.

The Master of Arts in Indigenous Governance is a multidisciplinary program grounded in an understanding of Indigenous peoples' values, principles, and philosophies. The approach we foster is one that combines a supportive environment for students of all backgrounds while modeling and fostering the highest standards of excellence inside and outside of the classroom. We recognize and honor the central role of language as carrier of culture, conveyor of tradition and knowledge, and signifier of individual and community identity by requiring the study of an indigenous language, for example, Ojibwe or Cree. An international focus will prepare students to take leadership positions in the private and public sectors, to create and influence policy, to creatively approach development from an indigenous perspective, and to promote the visibility and recognition of sovereign Indigenous peoples and communities in Canada and abroad.

The program's specific objectives are to:

- Provide studies in matters of good governance grounded in indigenous thought and values.
- Provide an in-depth understanding of the human, environmental and financial issues and processes relevant to indigenous self-determination.
- Promote leadership and skills in areas of policy development and professional practice relevant to indigenous governance and public service organizations working with Indigenous peoples.
- Create a new intellectual space to engage indigenous and non-indigenous scholars in the gathering, application and evolution of indigenous knowledges, philosophies and governance models.

REQUIREMENTS FOR AN MA IN INDIGENOUS GOVERNANCE

Annual deadline for applications: 1 February. Applications may be accepted after the deadline; please contact Dr. Gabriel Nemogá Graduate Coordinator for details g.nemoga@uwinnipeg.ca.

ADMISSION REQUIREMENTS

Admission is open to university graduates holding a relevant, recognized 4-Year General or Honours Bachelor of Arts degree with a cumulative grade point average of 3.0 or better in the last 60 credit hours of coursework.

A relevant degree may include but is not restricted to the following disciplines: Indigenous/Native/First Nation/American Indian Studies, Environmental Studies, Political Science, Economics, Law, Anthropology, Sociology, Conflict Resolution Studies, Justice Studies, or History.

Students holding a 3-year undergraduate degree may be admitted to the Master's program upon successful completion of a University of Winnipeg designed pre-Master's program which consists of a set of upper-level undergraduate courses.

HOW TO APPLY

1. Complete and submit application form available in Graduate Studies website:
<http://www.uwinnipeg.ca/index/grad-studies-programs>
2. Submit two official transcripts of academic work completed to date, sent directly from the issuing institution.
3. Submit two letters of recommendation from individuals familiar with your academic work.
4. Submit an academic writing sample, preferably a recent peer-reviewed publication or an essay from a recent course.
5. Submit the General Bursary Program Application along with your graduate program application directly to the Office of Graduate Studies. Up-to-date application form is available in Awards and Financial Aid website:
<http://www.uwinnipeg.ca/index/services-awds-current-continuing>
6. Encouraged to submit The University of Winnipeg Manitoba Graduate Scholarship For Master's Students. Up-to-date application form is available in Internal Awards, Graduate Studies website:
<http://www.uwinnipeg.ca/index/grad-studies-int-awards>

English language requirement (where applicable)

Applicants for whom English is a second language should include an official copy of their TOEFL score. A minimum TOEFL score of 550, or 213 on the computer-based TOEFL test is a requirement to apply.

The test must be taken within a year of the date a completed application is submitted.

Completed application forms should be submitted to:

Office of the Registrar-Graduate Studies

Telephone: 204-258-2976

Fax: 204-774-4134

Room 3D07B

Email: d.england@uwinnipeg.ca

CONTACT US

Inquiries may also be directed to:

Department Assistant

Department of Indigenous Studies

Telephone: 204-786-9305

Email: indigenous.studies@uwinnipeg.ca

M.A. DEGREE PROGRAM

Course Work and Thesis

This is a two year Master's Program that offers the students the choice of completing the requirements of the degree via three unique streams. Students can choose to write a thesis, which is defended orally and assessed by a committee. They may choose to write a comprehensive exam. The third option is to complete a practicum assignment with a relevant indigenous organization, community or governments.

Students are required to take a total of 30 credit hours of work including 21 credit hours of required courses and 3 credit hours of elective courses. The remaining 6 credits are earned through the thesis, comprehensive exam or practicum, depending on the stream chosen.

Required Courses

GIS-7021(6) Pathways to Indigenous Wisdom

GIS-7022(6) Indigenous Research Methodologies and Ethics

GIS-7020(3) Indigenous Self Determination

GIS-7103(6) Master's Thesis

AND one of either*

GIS-1101(6) Introductory Cree **OR**

GIS-1201(6) Introductory Ojibwe

*Indigenous Studies department may accept proof of proficiency or study in another indigenous language to waive language requirement.

Elective Courses**

- GIS-7023(3)** Indigenous Peoples, Globalization and Development (experimental course)
GIS-7024(3) Biocultural Diversity Conservation: Issues for Indigenous Peoples (experimental course)
GIS-7030(3/6) Directed Readings
GIS-7200(3/6) **Seminar in Selected Topics**

** Please note that not all elective courses are offered every year. In addition, in consultation with their advisor, students may take relevant courses in other departments including, but not exclusively: the Master's in Development Practice, History, Religious Studies, Economics, Anthropology, Politics, and others.

COURSE DESCRIPTIONS

GIS-1101(6) INTRODUCTORY CREE (Le3, La1) This course is intended for students who are not fluent in Cree and have never taken a course in the language. The emphasis is primarily on oral work for the purpose of learning basic sounds, vocabulary, and grammatical patterns. Structural differences between Cree and English are highlighted.

GIS-1201(6) INTRODUCTORY OJIBWE (Le3, La1) This course is intended for students who are not fluent in Ojibwe and have never taken a course in the language. The emphasis is primarily on oral work for the purpose of learning basic sounds, vocabulary, and grammatical patterns. Structural differences between Ojibwe and English are highlighted.

GIS-2101(6) INTERMEDIATE CREE (Le3, La1) This course is an intermediate course in the Cree language. It serves as a continuation of Introductory Cree (IS 1101, formerly ABOR 1101) or as the entry-level course for fluent speakers of Cree. The course focuses primarily on oral conversational skills, vocabulary and grammatical patterns. Attention is paid to Cree orthography, composition and translation. The lab component provides one-on-one and small group interactions intended to enhance language acquisition and provide additional opportunities for language practice and usage.

PREREQUISITES: IS-1101 **OR** instructor's permission

GIS-2201(6) INTERMEDIATE OJIBWE (Le3, La1) This course is an intermediate course in the Ojibwe language. It serves as a continuation of Introductory Ojibwe (IS 1201, formerly ABOR 1201) or as the entry-level course for fluent speakers of Ojibwe. The course focuses primarily on oral conversational skills, vocabulary and grammatical patterns. Attention is paid to Ojibwe orthography, composition and translation. The lab component provides one-on-one and small group interactions intended to enhance language acquisition and provide additional opportunities for language practice and usage.

PREREQUISITES: IS-1201 **OR** instructor's permission

GIS-7020(3) INDIGENOUS SELF DETERMINATION (Le3) This course brings to the academy a pivotal concept for the present and future of Indigenous peoples. How Indigenous peoples face and deal with colonization, imperialism, and globalization will depend upon the critical understanding and realizations of self-determination. The legal, political, social, and cultural connotations around self-determination for Indigenous peoples are considered. The course is focused not only on theoretical considerations but is designed to bring issues of self-determination into the collective and individuals lives of those who identify themselves with the concerns of Indigenous peoples.

PREREQUISITES: Admittance into MA program **OR** instructor's permission

GIS-7021(6) PATHWAYS TO INDIGENOUS WISDOM (Le3)

In this course, students' assumptions and world views are challenged and enriched by a deep and complex understanding of Indigenous ways of knowing. By decolonizing and indigenizing the mind, students are open to imagining and, later, implementing strategies that are embedded in indigenous teachings. The course emphasizes the importance of critical thinking through the examination and immersion into indigenous epistemologies and brings to the program the instructor's expertise in First Nation's governance, development efforts and systems.

PREREQUISITES: Admittance into MA program **OR** instructor's permission

GIS-7022(6) INDIGENOUS RESEARCH

METHODOLOGIES AND ETHICS(Le3) This course provides a review of the movement towards the decolonization of the Western model of research and the revitalization of Indigenous research frameworks and methodologies. The course also offers analysis of Western research methods and both their histories in colonial practices as well as their potential usefulness in Indigenous community-based research. The unique issues and principles involving ethical research in Indigenous communities are explored. The course also includes an overview of the governance by Indigenous communities of their own research and ethical review processes.

PREREQUISITES: Admittance into MA program **OR** instructor's permission

RESTRICTIONS: Students who have completed AG-7022(3) may not enrol in IS-7022(6).

GIS-7030(3 or 6) DIRECTED READINGS (D3 or 6)

In this course, readings and assignments in the area of Indigenous Governance are arranged between an individual student and the instructor. Topics may not duplicate regular course offerings in Indigenous Studies or other departments. This course is an opportunity to explore a specialized topic in the interdisciplinary context of the field. Examples of potential topics: comparing Canadian and New Zealand/Aotearoa treaty rights efforts; analyzing effects of First Nations provincial and national coalitions on policy at various levels; ethnohistorical research on settler-Indigenous political interactions.

PREREQUISITES: Admittance into MA program **AND/OR** instructor's permission

GIS-7200 (3 or 6) SEMINAR IN SELECTED TOPICS (Le3

or 6) This course focuses on particular aspects of Indigenous governance. The selected topic is discussed in seminar format. It may be approached in a variety of ways, including philosophical, ecological, social/cultural, economic, political, or artistically. The course may be repeated for credit when the topic varies.

PREREQUISITES: Admittance into MA program **OR** instructor's permission

Experimental Courses

Experimental Courses are new courses offered on a trial basis to gauge interest in a topic. Students who successfully complete any experimental course receive credit as indicated.

Students are advised to consult with the Graduate Coordinator on the availability of experimental courses.

GIS-7023(3) INDIGENOUS PEOPLES, GLOBALIZATION AND DEVELOPMENT (Le3) Indigenous peoples today are enmeshed in the expanding modern economy, subject to the pressures of both market and government. More and more indigenous communities are rejecting the traditional capitalist vision of development as human and environmental exploitation and focusing on new types of local development projects. This course analyzes some of the conflicts associated with traditional development projects in indigenous communities. Taking indigenous peoples as actors, not victims, as its starting point, the class will then examine innovations in indigenous economic development that are culturally respectful, environmentally responsible and build a new sense of community..

PREREQUISITES: Admittance into MA program **OR** instructor's permission

GIS-7024(3) BIOCULTURAL DIVERSITY CONSERVATION: ISSUES FOR INDIGENOUS PEOPLES (Le3)

The interconnectedness between biological and cultural diversity underscores the critical need for protecting biodiversity and Indigenous cultures. The course addresses worldwide concerns regarding the loss of biological and cultural diversity. The central premise of the course is the interrelationship between Indigenous people and their environment. The course provides comprehensive reading material and learning strategies for developing a holistic understanding of the current global trends on conservation and bioprospecting activities. The course discusses strategies and mechanisms for the protection of Indigenous peoples' ancestral rights to traditional knowledge and biological resources.

PREREQUISITES: Admittance into MA program **OR** instructor's permission

MASTER OF MARRIAGE AND FAMILY THERAPY (MFT)

Updated April 12, 2013

Director of Training: M. Warmbrod

The Master of Marriage and Family Therapy (MMFT) and the Certificates in Marriage and Family Theory and Therapy are designed for those who want a quality professional education in this field. School counselors, social workers, pastoral workers and other helping professionals may use this training to develop a specialty in relationship therapy; or mature persons with an unrelated undergraduate degree and work experience may choose this program as a vehicle for career change. The program is seeking to be accredited again by the Commission on Accreditation for Marriage and Family Therapy Education. Students complete the majority of their supervised clinical practice at Aurora Family Therapy Centre, a United Way of Winnipeg supported agency located on the University of Winnipeg campus. For more extensive information please see the Program Brochure at <http://aurora.uwinnipeg.ca/students-marriage-family-therapy-program/>

The MMFT Program is organized in two phases. The first is the Certificate Program; the second is the Masters Degree Program. These are sequential and each requires the same core courses.

The Core Courses

All program candidates complete the following core courses: GMFT-7552(4) Survey of Family Therapy Theories, GMFT-7553(3) Couple Therapy and GMFT-7574(3) Family Therapy Research Methods. Collectively, these courses count for 10 credit hours.

The Certificate Phase

Two Certificates are sequentially offered: A Theory Certificate and a Therapy Certificate. The professional standard for marriage and family therapy practice is a Masters degree. For a prospective student who already has a Masters degree in a related field (e.g. MSW, MEd) the Certificates offer an opportunity to add a specialization in MFT. For students entering the field, the Certificate of Marriage and Family Therapy acts as a prerequisite for being granted Masters student status in this program. Courses taken for the Certificate are creditable to the Masters.

In addition to the core courses named, the following are the requirements for each certificate.

The Theory Certificate: In addition to 10 core credit hours, the successful student completes 14 credit hours of their own choosing for a total of 24 credit hours. Some students find that completing this Certificate is sufficient for their purposes while others continue to the Therapy Certificate. **Those who want to continue are advised to choose the required courses for the Therapy Certificate as the electives in the Theory Certificate.**

The Therapy Certificate: In addition to 10 core credit hours, the successful student completes: GMFT-7554(3) Self in the Family Laboratory, GMFT-7560(3) Issues of Diversity in Family Therapy, GMFT-7575(3) Family Therapy Plans and Interventions, GMFT-7571(2) Abuse in the Family: Theory GMFT-7581(6) Supervised Marriage and Family Therapy, and 3 additional credit hours of their own choosing for a total of 30 credit hours. Students are advised to complete the required theory courses before applying for a supervised practicum. **Those who want to continue on to the Masters Degree are advised to choose the required courses for the Masters Degree as electives in the Therapy Certificate.**

Masters Degree Phase

The objectives of the Masters Degree program are: (1) to prepare individuals to practice marriage and family therapy and (2) to help graduates satisfy the Clinical Fellow requirements of the American Association for Marriage and Family Therapy (AAMFT) and thus become a Member of the Registry of Marriage and Family Therapists in Canada.

Theory Courses

The successful Degree candidate completes 39 credit hours of theory courses (24 of which will have been completed in the Therapy Certificate) and 24 credit hours of clinical training under supervision (6 of which will have been completed in the Therapy Certificate). **It is important to note that there are only 4 credit hours in the Masters Program that are electives, and to choose courses accordingly.** The complete requirements by area are:

Area I: Theoretical Foundations. Students take 6 credit hours: GMFT-7551(2) Graduate Seminar in Marriage & Family Therapy Theory, and GMFT-7552/4 Survey of Family Therapy Theories.

Area II: Clinical Practice. Students take 24 credit hours. These must include GMFT-7553(3) Couple Therapy, GMFT-7554(3) Self in the Family Laboratory, GMFT-7555(3) Children and Adolescents in Family Therapy, GMFT-7560(3) Issues of Diversity in Family Therapy, GMFT-7564(1) Selected Assessment Topics (DSM IV and Pharmacology), GMFT-7565(1) Spirituality and Family Therapy, GMFT-7571(2) Abuse in the Family - Theory, GMFT-7571(1) Abuse in the Family – Practice and GMFT-7575(3) Family Therapy Plans and Interventions. The remaining 4 credit hours are electives.

Area III: Human Development and Family Studies

Students take 3 credit hours: GMFT-7569(3) Health, Aging and Work of Adulthood.

Area IV: Professional Identity and Ethics. Students take 3 credit hours: GMFT-7572(3) Marriage and Family Therapy as a Profession.

Area V: Research. Students take 3 credit hours: GMFT-7574(3) Family Therapy Research Methods.

Area VI: Supervised Clinical Training. Students take 24 credit hours: GMFT-7581(6), GMFT-7582(6), GMFT-7583(6) and GMFT-7584(6) Supervised Marriage and Family Therapy.

Area I - Theoretical Foundations

GMFT-7551(2) Graduate Seminar in Marriage and Family Therapy Theory This seminar is designed to correlate theory, research and clinical practice. Students select research topics stimulated by their clinical practice. Research will include an examination of relevant literature, reflection on best practices relative to the student's clinical interest, and the presentation of findings for peer examination and reflection. The course provides opportunities for peer assisted research, inclusive of assisting the student with defining the area of interest, helping the student conduct the research and examining the results of the research. The major objective of this research is to examine the implications of the theory for the best clinical practice.

RESTRICTIONS: This course is to be taken towards the end of one's clinical training; therefore, it is normally limited to 4th Practicum students.

GMFT-7552(4) Survey of Family Therapy Theories This course introduces the student to the systemic concepts that form the background for family therapy as a discipline and the family therapy theorists who have shaped the development of family therapy. Specific attention is given to the philosophical views that inform the various theories studied. (This course should be among the first a student takes as it is a prerequisite for several of the other core courses).

GMFT-7597(3) Area I Directed Studies

Area II - Clinical Practice

GMFT-7553(3) Couple Therapy This course examines the dimensions and dynamics of couple relationships and therapies for couple problems. The research on the emotional, sexual, power, gender, cultural and spiritual aspects of the couple relationship is explored. Therapies available for addressing problems that a couple faces are studied with particular attention to systemic interventions and sex therapy.

GMFT-7554(3) Self in the Family Laboratory The self of the therapist is the subject of this laboratory. Resources, blind spots, and expectations of the self are examined. Isomorphic concepts and intergenerational theories are explored and applied. Experiential learning processes (inclusive of family of origin work and role plays) are extensively used. No letter grade is given, only pass or fail. This is a 16 week, 48 hour laboratory. Because of the intensity of the small group experience students are expected to attend every class.

RESTRICTIONS: Due to the intense, personal nature of the work involved, students may only register by permission of the instructors. A 'Screened Program' Application is required to be submitted during the month of March.

PREREQUISITES: Preference is given to students who have already completed other courses in the program.

GMFT-7555(3) Children and Adolescents in Family Therapy This course addresses family therapy with children, adolescents and parents. It attends to issues of parenting, child and adolescent development, special issues of childhood and adolescence, models of therapy, interventions and the self of the therapist.

PREREQUISITE: GMFT-7552(4) Survey of Family Therapy Theories

GMFT-7556(1) Human Sexuality and Sex Therapy This course offers a brief overview of sexual issues to assist marital therapists working with couples. The course includes a history of sexuality, the major sexual dysfunctions, and ways of helping therapists feel comfortable in addressing sexual issues with their clients.

PREREQUISITE: GMFT-7581(6) Supervised MFT or instructor permission.

GMFT-7559(1) Post-Divorce Families Divorce is a relatively common occurrence with generally unpredictable consequences. Attention is paid to the controversy around these consequences particularly for children, to high conflict post-divorce families, and to the special challenges faced by stepfamilies.

GMFT-7560(3) Issues of Diversity in Family Therapy Individual and relational systems, including therapeutic systems, do not exist in a vacuum. They are embedded in a larger context and strongly shaped by culture, gender, race, society, (dis)ability, and many other factors. This course explores the person of the therapist as an ethnic, gendered and diverse being, and examines ways in which contextual factors influence the process of therapy. Special attention is given to feminist thought in family therapy and to developing sensitivity in working therapeutically with people belonging to diverse and marginalized groups.

PREREQUISITE: GMFT-7552/4 Survey of Family Therapy Theories

GMFT-7563(3) Group Theory and Therapy Group therapy is presented. Special attention is given to the examination of group processes, leadership functions, and member interactions. The use of group theory and therapy in the treatment of couples and families is explored. Experiential learning is extensively used.

GMFT-7564(1) Selected Assessment Topics This selection of courses presents concepts and skills useful to the practicing therapist in making clinical assessments and for consulting with allied clinical service providers. Specific assessment topics are presented, each in a 1 credit hour course format. The topics are:

1) DSM IV Classification System and Pharmacology This course introduces the student to the DSM IV diagnostic classification system and associated social service treatment methodologies and pharmacological interventions. This course will also examine associations between this subject matter and the practice of family therapy (This course is required for the Masters degree).

2) Assessing Addiction in the Family This course provides students with tools for assessing various types of addictions. Students learn how to recognize signs and symptoms of addictive processes in family members as well as in family systems. Students are exposed to treatment resources in the community and to various literature resources.

3) Multiple Social Systems Interventions This course presents concepts and methods appropriate for understanding multi-system treatment programs and working with clients where the systems are not coordinated.

4) Legal Issues and the Family Therapist This course presents the major ways in which legal systems impact upon clinical involvement with clients. This course introduces the student to the mandate, processes, and consequences of

selected legal systems and the significance of these for the practice of family therapy.

5) Standardized Assessment Procedures and Instruments This course introduces the student to selected psychometric instruments commonly used by allied professions in the social service sector and to standardized family therapy assessment instruments. The student is also introduced to the concepts and methods associated with writing standardized reports.

6) Post-Traumatic Stress Assessment This course introduces the student to the impact of acute and chronic trauma on individuals, couples, families and social systems. Specific attention will be given to etiology, assessment and treatment from a biophysical systemic perspective.

7) Working with Families and Serious Mental Illness (SMI) This course reviews the history of family treatment in SMI treatment, the impact of SMI on the family, the needs of these families and finally new developments and best practices in this area. Registrants normally complete one practicum (or the equivalent) before registering for this course.

GMFT-7565(1) Spirituality and Family Therapy The goals of this course include training in opening a dialogue with individuals and families about spiritual issues, discerning when a referral may be appropriate, expanding an awareness of wisdom traditions through comparative religious material, and identifying from current practice many of the spiritual issues that arise in the clinical setting.

GMFT-7571(2) Abuse in the Family – Theory: This first part of the Abuse course offers an understanding of how trauma impacts on our clients at the level of their bodies, their cognitions, and their relationships within the life cycle. It also attends to how different ideas and theoretical perspectives about healing shape clients' and therapists' ability to learn how to cope in healthy ways. Included is attention to how culture, gender, spirituality and other beliefs shape our approaches to healing.

PREREQUISITE: GMFT-7552(4) Survey of Family Therapy Theories

GMFT-7571(1) Abuse in the Family – Practice: This second part of the Abuse course focuses on practical application of the therapist's understanding of trauma to actual cases, and working on the self of the therapist.

PREREQUISITES: GMFT-7571(2) Abuse in the Family - Theory and GMFT-7581(6) Supervised Marriage and Family Therapy

GMFT-7573(3) Family Reconstruction With a better understanding of their family of origin through re-experiencing key events and learnings in their family history, participants gain new perspectives on past experience in order to change patterns that are no longer useful. This transformation creates room to discover and accept one's own personhood and the personhood of significant others. No letter grade is given; only pass or fail.

GMFT-7576(2) Death in the Family The course aims to provide the participants with insight into the dynamics of grief in response to change, loss and death. Students have the opportunity to develop the skills needed to work with individuals, families and groups. Participants are invited to process their own personal and professional experience with grief and loss.

GMFT-7575(3) Family Therapy Plans and Interventions This course teaches the development of systems-based treatment plans for family therapy clients. Special attention is given to interventions and techniques that are appropriate to such treatment plans.

PREREQUISITE: GMFT-7552(4) Survey of Family Therapy Theories

GMFT-7598(3) Area II Directed Studies

Area III- Human Development and Family Studies

GMFT-7569(3) Health, Aging and Work of Adulthood This course examines the health and productive aspects of adulthood along with their impact on personal and relational dynamics. Means of coping with illness, handicaps, physical changes with age, and types of workplaces and work histories are identified. The influences of gender, families and culture on the health, aging and work opportunities of individuals are identified. Consideration will be given to the roles of physical well-being and productive activities for personal identity and a sense of meaning. Limited attention will be given to implications for therapeutic interventions.

GMFT-7599(3) Area III Directed Studies

Area IV - Professional Identity and Ethics

GMFT-7572(3) Marriage and Family Therapy as a Profession This course gives attention to the interface between the practice of marriage and family therapy and other professions, family law, professional ethics, and managing the professional affairs of a practicing therapist.

Area V - Research

GMFT-7574(3) Family Therapy Research Methods This course gives attention to concepts and methods used in marriage and family therapy research. The object of this course is to assist students with becoming informed and critical consumers of research in the marital and family therapy field.

Area VI - Supervised Clinical Training

GMFT-7581(6) Supervised Marriage and Family Therapy The content of this course is the supervision of marriage and family therapy. Student will learn to use supervision for professional development and to learn basic skills of therapy (e.g. joining with clients, contracting for services, creating interventions, and planning terminations). Supervision will be provided through a one-way window as well as through recordings and transcriptions of clinical sessions. Cases are assigned at Aurora Family Therapy Centre. Students conduct **100** hours of clinical interviews.

PREREQUISITES: Students normally complete the Theory Certificate before registering for this course.

RESTRICTIONS: This is a screened course and a 'Screened Program' Application is required which must be submitted in the month of March.

GMFT-7582(6) Supervised Marriage and Family Therapy The content of this course is the supervision of marriage and family therapy. The objects of the course will be to enable the student to more efficiently use the skills that were introduced in the first level of training and to add such other skills and concepts as are appropriate. Supervision will be provided through a one-way window as well as through recordings and transcriptions of clinical sessions. Cases are assigned at Aurora Family Therapy Centre or at an alternative approved clinical facility. Students conduct **120** hours of clinical interviews.

PREREQUISITES: The student has successfully completed GMFT-7581(6) and has been granted standing as a Masters student.

RESTRICTIONS: A 'Screened Program' Application is required.

GMFT-7583(6) Supervised Marriage and Family Therapy

The content of this course is the supervision of marriage and family therapy. The object of the course will be to enable the student to expand his/her range of interventions and therapy concepts while maintaining the skills learned in sections MFT-7581(6) and MFT-7582(6) of the supervised program. Supervision will be provided through a one-way window as well as through recordings and transcriptions of clinical sessions. Cases are assigned at Aurora Family Therapy Centre or an alternative approved clinical facility. Students conduct **135** hours of clinical interviews.

PREREQUISITES: The student has completed courses GMFT-7581(6) and GMFT-7582(6).

RESTRICTIONS: A 'Screened Program' Application is required.

GMFT-7584/6 Supervised Marriage and Family Therapy

The content of this course is the supervision of marriage and

family therapy. The object of the course will be to assist the student with solidifying his/her grasp of the skills taught in the earlier sections of the supervised program while moving toward more autonomy when providing clinical services. Supervision will be provided through a one-way window as well as through recordings and case notes of clinical sessions. Cases are assigned at Aurora Family Therapy Centre or an alternative approved clinical facility. Students conduct **145** hours of clinical interviews.

PREREQUISITES: The student has successfully completed courses GMFT-7581/6, GMFT-7582/6 and GMFT-7583/6.

RESTRICTIONS: A 'Screened Program' Application is required

Internships are available wherein students complete 2 clinical practica over a ten month period. Some financial support is offered for those accepted for this full time study option. A 'Screened Program' Application is required.

Master of Arts Peace and Conflict Studies (PACS)

Updated April 12, 2013

Graduate Chair - University of Manitoba – Dr. S. Byrne, Mauro Centre
Associate Graduate Chair – The University of Winnipeg – Dr. D. Peachey, Global College
Primary Contact: University of Manitoba Faculty of Graduate Studies

This joint Master of Arts in Peace and Conflict Studies - offered by the University of Winnipeg in cooperation with the Arthur V. Mauro Centre for Peace and Justice at St. Paul's College at the University of Manitoba - encompasses analysis of social conflicts including the structural roots of social divisions and inequalities, as well as strategies for transforming conflict and promoting social justice. The program uses holistic and interdisciplinary approaches to prepare students to pursue independent research and practice in local, national and global and conflict dynamics and issues. The degree is offered with either a thesis option or a comprehensive examination. Students completing the Joint MA in Peace and Conflict Studies will receive a joint parchment, and may choose to participate in convocation at either of the two universities.

Options in the Program of Study

Thesis Option

A minimum of 18 credit hours of coursework, including:

- a. 12 credit hours in Core courses,
- b. 3 credit hours in research methods,
- c. 3 credit hours in an elective, and
- d. A thesis.

Course and Comprehensive Option

A minimum of 30 credit hours of coursework, including:

- a. 12 credit hours in Core courses,
- b. 3 credit hours in Practicum,
- c. 3 credit hours in research methods,
- d. 12 credit hours in electives, and
- e. A comprehensive examination.

Core Courses

GPCS 7010	Interpersonal Communication, Problem-Solving, and Trust-Building
GPCS 7020	Theories of Conflict and Conflict Resolution
GPCS 7150	International Human Rights and Human Security
GPCS 7250	Peacebuilding and Social Justice

Elective Courses

GPCS 7510	Ethnic Conflict Analysis and Resolution
GPCS 7520	Storytelling: Identity, Power, and Transformation
GPCS 7530	Dispute Systems Design
GPCS 7540	Gender, Conflict and Peacemaking
GPCS 7550	Indigenous Approaches to Peacemaking
GPCS 7560	Restorative and Social Justice
GPCS 7570	Peace Education
GPCS 7800	Special Topics
GPCS 7900	Practicum

Admission requirements

Students must normally possess:

- a. A high academic standing in previous university work with a minimum grade point average of 3.0 or the equivalent based on the last 60 credit hours or two full years or equivalent of university study;
- b. A four-year honours or four-year baccalaureate degree, in:
 - 1) Peace and conflict studies, conflict analysis and resolution, conflict transformation, or peace studies; or
 - 2) A related discipline or profession, such as social work, education, or sociology, among others. In this instance, as part of their program requirements, applicants may be required to take additional courses;
- c. Proficiency in the English language at levels required by the Faculty of Graduate Studies.
- d. **Application Deadline: January 15 for enrollment in September**
http://umanitoba.ca/colleges/st_pauls/mauro_centre/peace_conflict/maprogram/apply.html

Course Descriptions

GPCS-7010(3)

Interpersonal Communication, Problem-Solving and Trust-Building Examines role of language and communication where theoretical and practice perspectives are fundamental to the field of conflict analysis and resolution/peace studies. Power, gender, culture in communication and conflict; theories, practical skills for problem-solving, and trust-building are explored in diverse milieus.

GPCS-7020(3)

Theories of Conflict and Conflict Resolution Provides an overview of the theoretical foundations of conflict analysis and resolution examining macro and micro theories regarding the causes of conflicts and approaches to their resolution. Conflicts are complex on multiple interlocking planes. The course focuses on theory and the implications of these theories for practice.

GPCS-7150(3)

International Human Rights and Human Security Examines the shift in focus from state security to people. Human security is a bridge between the inter-related fields of development, human rights and conflict resolution. The course explores how these efforts at exploring the human condition can best be understood and applied.

GPCS-7250(3)

Peace-building and Social Justice Examines the role of peace-building in short term crisis intervention and longer term conflict transformation processes. Social justice is addressed at the systems level as it impacts the achievement of sustainable reconciliation. Crisis management in conflict settings, the root causes of conflict and its prevention are explored.

GPCS-7530(3)

Dispute Systems Design Examines the role of conflict resolution within organizations and diverse settings (workplace, schools, communities, multiparty conflicts, international conflicts). The course focuses on analyzing how conflict is built into organizational structures and systems, and redesigning the system to produce effective human centred relations.

GPCS-7540(3)

Gender, Conflict and Peacemaking Examines the role of gender in conflict and peacemaking in areas of armed conflict. Women tend to be impacted and respond to conflict in ways different from men. The course explores the theoretical and practical contributions women activists, peace researchers and educators have made toward understanding the role of gender.

GPCS-7510(3) Ethnic Conflict Analysis and Resolution

Examines theories of ethnic conflict and the intervention methods used by states, international organizations and conflict resolution and peace practitioners to analyze, manage and resolve ethnic conflicts. Case studies are used to explain conflict analysis and resolution and peace-building.

GPCS-7520(3)

Storytelling: Identity, Power and Transformation Examines the role of narrative and storytelling in conflict resolution, theory, research and practice. The relationship

between language and power and destructive or constructive relationships is explored. The use of storytelling-based projects as a means of peacebuilding and community building are explored.

GPCS-7550(3) Indigenous Approaches to Peacemaking

Examines indigenous models of peace-building from community level to national level. Emphasis is placed on restorative processes fundamental to cohesive relationships with others. This is achieved through ceremony, empathy, compassion, conflict resolution and restoration part of the peace-building models of Indigenous peoples.

GPCS-7560(3)

Restorative and Social Justice Examines the principles of restorative justice, the theoretical foundations of the restorative justice movement, and the development of new restorative justice programs. Restorative justice healing, re-integration and reconciliation are explored in a variety of contexts, including colonized and postcolonial indigenous communities.

GPCS-7570(3)

Peace Education Examines the role of peace education as students seek to make sense of complicated and perilous events in their society. The course provides students with a background in the area of social justice, peace studies and conflict resolution.

GPCS-7800(3)

Special Topics

GPCS-7900

Practicum Students develop awareness of theoretical knowledge, practice skills and abilities necessary for intervention in community, group and organizational conflicts at a practicum site. Students integrate theory and experiential learning into practice to analyze the conflict, during the intervention, and post intervention reflection.

MASTER OF PUBLIC ADMINISTRATION (POL / POLS)

Updated April 12, 2013

Note: The University of Manitoba department/program code POLS replaces the former code 019. Students cannot hold credit in POLS XXX0 and the former 019.XXX having the same course number (eg. POLS 3950 and 019.395).

Joint Discipline Committee:

Chair - The University of Manitoba
Associate Chair - The University of Winnipeg

Dr. A. Rounce
Dr. J. Grace

This Master's program is offered jointly by the Department of Politics of The University of Winnipeg and the Department of Political Studies of the University of Manitoba. Unless otherwise specified by particular agreements attached to its creation, the program is governed by the general procedures and regulations devised by the two universities for joint Master's programs.

The objective of the program is to provide students, both full- and part-time, with a sound knowledge of Public Administration. The approach is interdisciplinary, although courses in Politics/Political Studies are emphasized. The core exposes all students to a common set of courses designed to encourage both innovative and integrative perspectives. The Public Administration emphasis allows interested students to obtain knowledge of both the theory and the practice of government organizations, including knowledge of the political, economic, social and other contexts in which they operate.

Admissions (Deadline January 15)

Applicants for admission to the program must be the following:

- a) a person holding a recognized 3- or 4-year General or Advanced Bachelor's degree (BA, BSc, BES, etc.) with a cumulative grade point average of 3.0 or better in the last two years (60 credit hours) of undergraduate coursework; or
- b) persons holding a recognized 4-year Honours Bachelor's degree (or equivalent) with a cumulative grade point average of 3.0 or better in the last 60 credit hours of coursework; or
- c) persons who do not hold an undergraduate degree, but who have attained positions of marked responsibility in either public or private sector management, and who have a demonstrated record of outstanding performance in their career. Admissions in this category will normally be restricted to one or two students per academic year.

Applicants are expected, but not required, to have some formal course background in public administration and economics. Each student is required, at the time of making application for admission to the program, to submit a statement of career objectives (approx. 200 words). Should the number of qualified applicants exceed the number of places available in the program, selection will be made on the basis of academic background and standing, work experience and career objectives.

Program of Studies

1. 2-Year MPA Program - 48 credit hours:
Students who are admitted as graduates of a general Bachelor's degree program or who are admitted as exceptional candidates not holding an undergraduate degree are required to satisfactorily complete an academic program consisting of a minimum of 48 credit hours. Within the 48 credit hours, 27 credit hours must be taken from among the Core Courses and a further 21 credit hours from among the approved options. All students must complete a minimum of 12 credit hours at the 700/7000-level, including the 700/7000-level core courses. A student may elect, with permission, to write a Master's thesis in lieu of 12 hours of 700/7000-level credit.
 2. 1-Year MPA Program - 24 credit hours:
Students who are admitted as graduates of an Honours Bachelor's degree (or equivalent) are required to satisfactorily complete an academic program consisting of a minimum of 24 credit hours. Students who, prior to admission, have not completed 24 credit hours in courses equivalent to those designated as 400/4000 level Core Courses, or have not completed appropriate option course equivalents, will normally be required to complete the appropriate course(s) in addition to the 24 credit hour program minimum. All students must complete up a minimum of 12 credit hours at the 700/7000-level, including the 700/7000-core courses. A student may elect, with permission, to write a Master's thesis in lieu of 12 hours of 700/7000-level of option course work.
 3. Co-operative Education Option - 6 credit hours:
- Students engaged in full-time study in either the 2-Year MPA program or the 1-Year MPA program are eligible to apply for the full-time co-operative education option on satisfactory completion of their first year of full-time MPA studies (24 credit hours). The co-op option consists of two 13-week work terms which can be taken consecutively or separately. Each work term carries 3 hours of course credit and each must be satisfactorily completed as part of the co-op option. Students in the 2-Year MPA program with a co-op option must therefore complete a minimum of 54 credit hours as part of their degree requirements. Students in the 1-Year MPA program with a co-op option must complete a minimum of 30 credit hours as part of their degree requirements. (Students intending to apply for the MPA Co-op option should read the detailed option description below).
4. All students must maintain a B (3.0 GPA) average, with no grade lower than a C+ (2.5 GPA).
 5. Students who satisfactorily complete their program with coursework (or coursework plus co-operative education work terms) complete the MPA degree requirements with written comprehensive examinations and an oral examination.
 6. Students who satisfactorily complete their program with coursework and a Master's thesis (or coursework, co-operative education work terms and a Master's thesis) complete their MPA degree requirements with a Master's thesis oral defence.

Co-operative Education Option in Public Administration

Director: Dr. K. Levasseur (The University of Manitoba)

The Co-operative Education option in the Master of Public Administration program combines full-time academic study with the benefits of practical work experience, largely in the public sector. A full-time student who has completed one academic year in good academic standing will be eligible to engage in full-time employment. The program requires the successful completion of 2 work-terms of a minimum of 13 weeks each. The work terms provide students with practical experience, enriched knowledge in an area of policy specialization, industry-standard remuneration, and guidance in career choices.

Application and Eligibility

Application for the co-operative education option in the Master of Public Administration (MPA) program is part of the normal application process for the MPA program as a whole. The co-operative education option is restricted to those who apply for full-time study in the MPA. Students who are accepted into the MPA with a co-operative option must, in their first academic year, successfully complete two required non-credit courses in addition to their full-time academic course load.

Work Terms and Continuance

On entry to the MPA program, applicants accepted for the co-op option must arrange their program with the Director of co-operative education in the MPA program and take part in a competitive job-matching process conducted in an Employers' Forum. Students who are eligible for co-op, but who are not matched with a co-op work term, will be able to continue in the regular MPA program. Co-op students who have successfully completed one full academic year of course work, and the required non-credit courses, and who have satisfied the MPA requirements for continuation in the program, will be eligible to engage in their first work term placement.

Each work term is a minimum 13 weeks duration and each work term carries 3 hours of course credit for which registration is required. Co-op students are considered to have full-time student status while engaged in a work term placement. Co-op students must successfully complete two work terms in addition to their academic program. Work terms are evaluated in terms for job performance and assigned written work (project or practicum). The final grade for each work term will employ the GPA scale which is used by the MPA program. The course and grade requirements (B average overall and no course less than C+) for the co-operative education option are those which govern the MPA program as a whole. If a co-op student fails to maintain these requirements, he or she will be permitted one make-up work term attempt. If a student fails to meet the requirements on the make-up attempt, he or she will be required to withdraw from the MPA program.

Co-operative Education Work Term Courses

Students in the co-operative education option must take 6 credit hours from:

POLS 6500	Co-operative Education Work Term I
POLS 6510	Co-operative Education Work Term II
POLS 6520	Co-operative Education Work Term III

Core Courses (27 hours of credit)

Students in the two-year MPA program are required to take 27 credit hours in core courses. Students in the one-year MPA program are required to take Theory and Practice of Public Administration (POLS 7370 or GPOL-7300(3) and GPOL-7305(3) and, subject to paragraph 2 above, an additional 18 credit hours in 700/7000-level courses or their equivalent. The number of credit hours for each course is shown in parentheses.

Students must take:

POLS 3950(3)	Research Methods in the Study of Politics
POL-4301(6)	Administrative Theory

In addition, students must take 6 credit hours from:

ECON-3303(3)	Economics of Public Expenditures
ECON-3304(3)	Economics of Taxation
ECON.3370(6)	Public Finance
POLS 4660(6)	State in the Economy
POL-4415(6)	State and Economy

Plus 6 credit hours from:

POLS 4860(6)	Canadian Policy Process
GPOL-7320(3)	Seminar in Public Policy Process
GPOL-7325(3)	Seminar in Public Policy Issues

and 6 credit hours from:

POLS 7370(6)	Seminar in Theory and Practice of Public Administration
GPOL-7300(3)	Theory and Practice of Public Administration I
GPOL-7305(3)	Theory and Practice of Public Administration II

Further Coursework

With the approval of the Chair of the JDC, and other approval as may be required, courses may be chosen from the following list or from, for example, offerings in Economics, Geography, Management, Psychology, Sociology, etc.

POLS 4150 (3)	Indigenous Governance
POLS 4370 (3)	Comparative Public Administration
POLS 4470 (3)	Managing Modern Government
POLS 6010(6)	Manitoba Legislative Internship Seminar
POLS 7340(3)	Canadian Government
POLS 7350(3)	Canadian Democracy
POLS 7470 (3)	Strategic Human Resource Management in Government
POLS 7720(6)	Comparative Government
POLS 7550(3)	Contemporary Issues in Canadian Politics
POLS 7610(3)	Political Theory and Contemporary Issues
POLS 7910(6)	Multivariate Research Methods
POL-4305(3)	Administrative Law
POL-4310(6)	Equity and Human Resources
POL-4315(3)	Strategic Planning in Organizations I
POL-4320(3)	Strategic Planning in Organizations II
POL-4505(6)	Politics of Urban Planning
/GPOL-7505(6)	
POL-4400(6)	Seminar in Canadian Politics
POL-4405(6)	Seminar in Manitoba Politics
POL-4410(3)	Seminar in Women in Politics
GPOL-7331(6)	Directed Readings in Public Administration
GPOL-7335(3)	Directed Readings in Public Administration
GPOL-7310(6)	Special Topics Seminar in Public Administration
GPOL-7315(3)	Special Topics in Public Administration

A student may elect, with permission, to write a Master's thesis in lieu of 12 credit hours of 700/7000-level course work.

Course descriptions for courses offered at The University of Winnipeg may be found under the listings for Politics (see *Course Descriptions*). For details consult the program brochure.

MASTER OF ARTS RELIGION (REL / RLGN)

Updated April 12, 2013

Note: The University of Manitoba department/program code RLGN replaces the former code 020. Students cannot hold credit in RLGN XXX0 and the former 020.XXX having the same course number (e.g. RLGN 7040 and 020.704).

Graduate Chair - The University of Winnipeg
Chair - Joint Discipline Committee - The University of Manitoba

Dr. C. Colorado
Dr. D. Drewes

The Department of Religion at the University of Manitoba and the Department of Religion & Culture (formerly Religious Studies) at The University of Winnipeg offer a joint Master of Arts program. The following are eligible to apply for admission to the program: graduates of the University of Manitoba holding a Honours BA degree in Religion; graduates of The University of Winnipeg holding an Honours or a 4-Year BA in Religion & Culture (Religious Studies); students who hold degrees equivalent to the Honours BA in Religion from other recognized universities or colleges; students who have completed a recognized pre-Master's program in Religion. Students who have courses with equivalent content or cognate courses in recognized departments or faculties other than Religion or Religious Studies may be given credit for up to 12 credit hours towards admission. To be eligible for admission, applicants must have achieved a cumulative grade point average of at least 3.0 (on a 4.0 point scale) in their last 60 credit hours of study and they must have completed a total of 60 credit hours in Religion. Breadth in preparation is expected as indicated by the description of the Honours or the 4-Year BA in Religion & Culture (Religious Studies) in the UW Calendar or the Honours BA in Religion in the UM Calendar. Applications will be considered from Honours BA graduates in other disciplines with a strong background in Religion. Such students may be admitted at the pre-Master's level and required to complete a program of study to bring them up to the level of a Honours BA degree in Religion. Students completing the Joint MA Program in Religion will receive a joint parchment and may choose to convocate from either of the participating universities. Two types of programs are available:

Thesis Option: a minimum of 12 credit hours of course work including:

- a) Major Course - a minimum of 6 credit hours at the 7000-level.
- b) Ancillary course - a minimum of 6 credit hours at the 7000-level, 5000(UW)/4000(UM) or, in special cases, at the 3000-level.
- c) A thesis.

Course and Comprehensive Option: a minimum of 24 credit hours beyond the level required for admissions to the MA, with at least 6 credit hours to be ordinarily taken from each of the two Departments involved in the Joint Masters Program (JMP) in Religion, at least 18 credit hours to be taken at the 7000-level, and at least 18 credit hours to be taken in Religion. Students may take 6 credit hours at the 5000(UW)/4000(UM) level or in exceptional circumstances at the 3000-level, and this is usually chosen from an extra-departmental field or ancillary. Students can, however, elect to take all 24 credit hours from within the two Departments of the JMP in Religion. Students must demonstrate competence in Western Religions, World Religions, and Religion and Culture, with one of these areas to be designated the major area from which two graduate course are normally chosen. The other two are designated as minor areas, and usually a student will take one graduate course in each of these areas. An ancillary may be substituted for one of the minor areas of study.

In both programs the student is required to demonstrate reading knowledge of a second language. In the Thesis Option program, this reading knowledge normally must be demonstrated before the thesis proposal is reviewed.

Students must have 6 credit hours in Methodology from a recognized university or college. A student who does not have this training in methodology will be required to take either REL-5001(3) Method and Theory in the Study of Religion I: Social Scientific Approaches and REL-5002(3) Method and Theory in the Study of Religion II: Textual Interpretation UW, or RLGN 4470 Method and Theory in the Study and Interpretation of Religion UM or RLGN 4510 and RLGN 4520 Hermeneutics Western Traditions and Hermeneutics Eastern Traditions UM in addition to normal credit hours required for their program.

Note: University of Winnipeg Religious Studies graduate level courses carry a "GRLST" prefix; University of Manitoba Religion courses bear an "RLGN" prefix.

COURSE OFFERINGS

The following list of seminar courses represents areas in which the Department offers graduate courses. Topics covered in individual courses vary from year to year. For information on current topics, please consult the Graduate Chair.

GRLST-7101(6) or RLGN 7040	Seminar in Biblical Religions
GRLST-7201(6) or RLGN 7050	Seminar in History of Christian Thought
GRLST-7301(6) or RLGN 7000	Seminar in the History of Religions
GRLST-7501(6) or RLGN 7010	Seminar in Religion and Culture
GRLST-7701(6) or RLGN 7060	Seminar in Comparative Religion
GRLST-7801(6) or RLGN 7070	Seminar in Religion in the Modern World
GRLST-7901(3) or RLGN 7020	Special Topics I
GRLST-7902(3) or RLGN 7030	Special Topics II

Please consult the Departmental Handbook regarding areas of research interest of individual faculty.

OTHER PROGRAMS

Updated April 11, 2013

1. Professional, Applied, and Continuing Education (PACE)

Non-degree Programs

- a. Transfer Credit to Degree Programs
- b. Professional Studies Program Area
- c. Information Communication and Technology Studies Area
- d. Community Program Area

2. English Language Program

3. The Collegiate

4. Menno Simons College

5. Centre for Distributed/Distance Learning

- a. Web Based courses
- b. LMS-Online Program via NEXUS
- c. Online Synchronous Program – Blackboard Collaborate
- d. Campus Manitoba: Web Based, LMS-Online and Online Synchronous Programs
- e. University College of the North (UCN): Inter-University Services

6. Research Institutes and Centres

- a. Aurora Family Therapy Centre
- b. Canada Research Chairs

- c. H. Sanford Centre for Canadian History
- d. Eastman Education Centre
- e. Centre for Emerging Markets
- f. Centre for Forest Interdisciplinary Research
- g. The University of Winnipeg Global College
- h. The Global Welcome Centre
- i. Heads Up Concussion Institute
- j. Centre for Innovation in Teaching and Learning
- k. University College of the North *kanaci otinawawasowin* Bachelor of Midwifery
- l. The University of Winnipeg Richardson College for the Environment
- m. Centre for Rupert's Land Studies
- n. Winnipeg Institute for Theoretical Physics
- o. Institute of Urban Studies
- p. Wii Chiiwaakanak Learning Centre
- q. The Institute for Women's and Gender Studies
- r. The Centre for Research in Young People's Texts and Cultures

7. Brandon University Psychiatric Nursing Program

8. Engineering at the University of Minnesota College of Science and Engineering

1. Professional, Applied, and Continuing Education (PACE)

PACE offers applied certificate and diploma programs that enhance professional development and employment opportunities. Many of these programs are offered in a full-time intensive format, as well as on a part-time basis. Additionally, PACE provides personal development programs designed to meet the needs of specific audiences. Most PACE certificate and diploma programs ladder into degree programs.

a. Transfer Credit to Degree Programs

The following are certificate and diploma programs with degree credit articulation:

- Advanced Diploma in Early Childhood Care and Education, up to a max. of 24 credit hours
- Educational Assistant Diploma Program, up to a maximum of 12 credit hours
- Human Resource Management Diploma Program, up to a maximum of 30 credit hours
- Internet Systems Specialist Diploma Program, up to a maximum of 21 credit hours
- Introduction to University, 3 credit hours
- Management Certificate Program, up to a maximum of 15 credit hours
- Marketing Management Diploma Program, up to a maximum of 15 credit hours
- Public Relations Diploma Program, up to a maximum of 21 credit hours
- Full-Time Public Relations Management Program, up to a maximum of 30 credit hours
- Police Preparation Diploma Program, up to 9 credit hours to Criminal Justice Studies

b. Professional Studies Program Area

Advanced Diploma in Leadership in Early Childhood Care and Education Program

The Advanced Diploma in Leadership in Early Childhood Care and Education is a leadership development program designed for professionals in the early childhood sector who wish to enhance their administrative abilities or to exercise a leadership role. This unique programming model anchors workplace essentials, offered through Professional Studies, to a foundational program in early childhood education, offered through the Developmental Studies degree-credit stream. This diploma program is recognized by the Province of Manitoba Child Care Education Program Approval Committee (CCEPAC) as an accredited pathway for current ECE II's to achieve their ECE III classification. *PACE offers this program in a part-time format with evening and daytime study options.*

Career Development Practitioner Certificate

The Career Development Practitioner is an innovative new program offered in partnership with Manitoba Entrepreneurship, Training and Trade to prepare individuals to work in the area of career counseling. Given the changing nature of today's labour market, career change is inevitable and the career development practitioner field anticipates growth. This program takes a holistic approach, combining theoretical models of career counseling with practical tools such as job analysis, job trend forecasting, counseling techniques, assessment and profile inventories, and group facilitation. *PACE offers the Career Development Practitioner Program in a blended learning and modular format.*

Human Resource Management Diploma Program

The Human Resource Management Diploma Program is designed to help students develop the practical, theoretical and specific skills needed to work in a human resource function. PACE distinguishes its Human Resource Management Program from other educational providers by integrating highly relevant leadership, business and communication essentials with the core HR requirements. The program is aligned with the required professional competencies and best professional practice. It also includes an internship. PACE is proud to have many of its graduates earn top scores on the Certified Human Resource Practitioner (CHRP) designation exams. The CHRP is the highest level of certification in human resource management in Canada. *PACE offers the Human Resource Management Diploma Program in either a part-time or a comprehensive full-time format.*

Management Certificate Program

The PACE Management Certificate Program is a leadership program designed for business professionals seeking to enhance their careers. Students explore current business topics and trends using case analysis methodology to develop the skills needed to compete in today's job market. The program emphasizes skills such as leading and motivating employees, communication and problem-solving. *PACE offers the Management Certificate Program in a part-time format with evening and daytime study options.*

Manitoba Arts and Cultural Management Certificate

The Manitoba Arts and Cultural Management Certificate Program is available to individuals currently working in, or preparing for a career in the arts and cultural sector. The administrative management function is critical to the financial health of an arts or cultural organization. This program is designed to build the business and leadership skills necessary to manage and nurture creative activity in cultural organizations. Developed in cooperation with leaders in Manitoba's cultural sector, the program is flexible, accessible and broad in scope. *PACE offers the Manitoba Arts and Cultural Management Certificate in a part-time format with evening and daytime study options.*

Marketing Management Diploma Program

The PACE Marketing Management Diploma Program prepares students to work in a marketing capacity. Students acquire the theoretical foundations along with the marketing tools, systems and strategies that will make them an asset to any organization. Today's global marketplace is increasingly complicated by converging markets and rapid technological change. To gain superior competitive advantage, market-driven organizations must define their distinctive capabilities, focus on creating customer value, and integrate their marketing strategy across the overall business operation. *PACE offers the Marketing Management Diploma Program as a part-time study option and integrates the Marketing Management requirements into the full-time Public Relations Marketing Management Program curriculum.*

Project Management Diploma Program

The PACE Project Management Diploma Program provides an analytical framework coupled with essential project management tools for budgeting, procuring, scoping, modeling, measuring, and reporting for a broad business application. Given the challenges facing business today, organizations are better positioned to thrive by hiring talent that can drive the business solution process and strengthen growth opportunities. PACE aligns this program with the knowledge requirements of the PMP designation process and industry-recognized standards for best professional practice. *PACE offers the Project Management Diploma Program in either a part-time or a comprehensive full-time format.*

Professional Edge Seminars

Professional Edge Seminars focus on current and emerging business issues and provide the collaborative environment to explore innovative and creative solutions. The tightly focused format of a one or two-day seminar, minimizes time out of the office and provides new tools and techniques that benefit the entire organization. Led by industry experts, our seminars offer a selection of practical ideas and solutions. From Train the Trainer to Transformational Leadership, reinvigorate yourself with a PACE Professional Edge seminar.

Public Relations Diploma Program

This program will prepare students to work as a public relations practitioner in a corporate or not-for-profit environment. The courses provide a broad foundation of PR and marketing-specific knowledge and skills, with an emphasis on best practices, and current and emerging issues. The PR sector is an area of high growth with considerable opportunity for employment. With the emergence of social media, organizations are increasingly focusing on the "wired" side of business and public relations practitioners lead these initiatives. *PACE offers the Public Relations Diploma Program in either a part-time or a comprehensive full-time format.*

Graduate School Admission Test Preparation

PACE, in partnership with Stanley H. Kaplan International, offers test preparation courses for students applying to Law, Medical, Dental, and Business Schools. In an increasingly competitive environment, graduate school admission decisions are based heavily on the results of standardized tests like the LSAT, MCAT, DAT, GRE and the GMAT. These preparation courses combine high-quality instruction and comprehensive self-study learning materials. For more information on the test preparation courses offered by the PACE and Kaplan, call 1-800-KAP-TEST.

c. Information & Communication Technology Studies Area

The Information & Communication Technology Studies Area (PACE-ICT) offers the advantage of learning applied skills in a small class with supportive and knowledgeable instructors. PACE-ICT is the place to start your IT career! Once you have completed a certificate or diploma program, you are ready to enter the workforce, or you can transfer your credits into a degree program.

Internet Systems Specialist Diploma (ISSD) Program

The full-time Internet Systems Specialist Diploma provides a year-long exposure to a wide variety of Internet related technologies including front end client-side (XHTML, CSS, Javascript, Flash, Photoshop), back-end programming and databases (PHP, ASP.net, Java, MySQL), as well as the topics that tie them all together (Linux, Windows, Apache, TCP/IP, security, and more). The program is capped off with a cumulative e-commerce project and a month-long work experience placement with one of many participating companies and businesses. *This Program is offered on a full-time basis over a 12-month period.*

Network Security Diploma Program

Students in the Network Security program will acquire the IT security skills to help mitigate threats to organizations and gain marketable skills in this emerging employment sector. The Network Security Diploma program is a joint programming initiative between the University of Winnipeg and Winnipeg Technical College (WTC). This diploma program blends hands-on learning with the theoretical elements of IT security. Graduates will have an in-depth knowledge of, and training in various protocols, network standards, designs and security solutions. This program actively integrates the dynamics of WTC's Regional CISCO Academy with the University's cryptography and security schematics. Graduates of this program will receive the Network Security Diploma Information Assurance and Security Certificate and the Management Certificate. *This program is offered on a full-time basis over a 13 month period.*

Network Security Certificate

This certificate program is offered in partnership with Winnipeg Technical College (WTC). WTC brings a wealth of knowledge to our students with state-of-the-art CISCO Labs and integrated hands-on approach to learning.

This certificate provides a balanced training approach between hands-on practical experience with the theoretical and conceptual nature of IT security. Graduates will have an in-depth knowledge of various protocols, network standards and designs. Graduates of this program will receive the Network Security Certificate as well as the Information Assurance and Security Certificate. *This program is offered on a part-time basis (in the evening).*

Information Assurance and Security Certificate

Demand for technical security and information assurance professionals has risen dramatically in recent years due to changes to Canada's privacy laws, as well as the need to protect and certify data in light of increased attacks by worms, and electronic virus and spy-ware usage. This four-course series is key to understanding information assurance issues and methodology. Participants learn a comprehensive definition of "Information Assurance," how data is verified and encrypted, and what safeguards should be taken. Proper incident response to an attack or security breach will also be covered in this program. *This program is offered on a part-time basis (in the evening).*

App Development Certificate

This program provides students with the tools required to create iPad and iPhone apps. It takes students through the process of conception, creation and marketing apps for various uses. The implications of website requirements for supporting apps and the marketing required for success are also explored. In a relatively short period of time, students will be developing apps that are well thought out, thoroughly tested and ready for market. *This program is offered on a part-time basis (in the evening).*

Business Systems Analyst Diploma

In all organizations, the quality of data and depth of analysis can positively or negatively impact mission-critical decisions. The role of a Business Analyst is to bridge the gap between the business needs identified in the strategic plan and available solutions. The Analyst achieves this bridge by thoroughly analyzing the business needs and processes, then designing and testing a solution. This program prepares students to identify and document business-systems requirements, conduct business and technical studies, and design, develop and implement business solutions. *This program is offered on a part-time basis (in the evening).*

IT Management Certificate

This program provides students with the tools required to use IT to transform business models, add to customer services and capitalize on upcoming trends. Graduates will be prepared to use new technology to improve management and reduce costs. Whether using legacy systems or planning for future investments having a sound ideology of best practices and the expertise in aligning IT to business objectives is important for any business. *This program is offered on a part-time basis (in the evening).*

Serious Games Certificate

Bringing together the latest game technology, game design and game-based learning models the Serious Games Certificate delivers two streams of education:

1) Educator Stream: A set of theory and pedagogical courses designed to prepare educators to use and understand the new world of game-based learning, the re-purposing of games for use in education, and the nature, structure and elements of game play and game design.

2) Game Developer Stream: A set of practical courses designed to prepare skilled and experienced developers for employment in the Serious Games Industry. *This program is offered on a part-time basis (in the evening).*

Web Technologies Certificate

The Web Technologies Certificate focuses on the production and visual design of web pages while using industry standard tools. After completion, graduates will better understand proper web page layout, basic design principles as well as a variety of audio visual and emerging web technologies. *This program is offered on a part-time basis (in the evening).*

d. Community Program Area

Educational Assistant Diploma Program

Courses and workshops provide students with the knowledge and skills to work as educational assistants in the Manitoba School System. Students in the diploma program may select courses in the following areas of the program: developmental; reading, writing and language; mathematics; and behaviour. *This program is offered in both part-time and full-time formats.*

55 Plus Program

For over 30 years the 55 Plus Program has offered an assortment of non-degree courses from the humanities, social sciences, and sciences featuring UW faculty members as well as community experts. There is plenty of material to stimulate the imagination and intellect but no tests, exams or assignments. Students find this program an ideal way to remain mentally active, physically fit, and on the leading edge of current affairs. *Courses are offered during the day.*

Introduction to University

This course is designed to familiarize students with the nature and demands of university study and help prepare them for the year ahead. Students will develop and practice study and time management skills, note-taking, essay writing, internet/library research skills, and strategies for exam preparation. Presented in a manner that parallels a typical university course, Introduction to University provides an ideal opportunity to give university a try and discover what it takes to succeed! Students who successfully complete this course with a C+ or better may transfer 3 credit hours to a UW degree program. *There are many sections to choose from during the day and in the evening.*

International Languages Program

French and Spanish are offered at a variety of levels ranging from beginner to advanced. Classes focus on the acquisition of conversational skills and the grammatical structures and vocabulary needed to participate in conversations. Some practice will be given in reading and writing. Students enrolling for the first time can arrange for placement advising. Private tutorials are available in French and Spanish as well as Italian, German, Portuguese, Russian, Korean, Japanese, Mandarin Chinese, Arabic and Hindi. *This program is offered on a part-time basis (in the evening).*

Police Preparation Diploma Program (PPD)

This preparatory program will focus on the academic preparation, personal wellness, and physical fitness training necessary to meet the rigorous entrance requirements for a career in law enforcement. Program graduates will be equipped for the workforce with a transferable skill set that will open up opportunities in a variety of fields including regional, municipal and tribal police forces, corrections, and Justice departments. *This Program is offered on a full-time basis over an 8-month period.*

Note: For more information on any of the above programs, please visit the Professional, Applied, and Continuing Education website at PACE.Uwinnipeg.ca.

2. English Language Program

English as a Second Language Teacher Certificate Program (ESLTCP)

The ESL TCP provides graduates with the necessary skills and certification to effectively address the needs of adult ESL learners in local and international settings. Students participate in 120 hours of classroom instruction in TESL theory and methodology, followed by a 20-hour practicum teaching placement in an adult EAL classroom. The program is delivered throughout the year, and full time (intensive), part time, and on line options are available.

Please see our website at esltcp.uwinnipeg.ca for additional program information and dates of upcoming sessions.

For additional information, please contact us at infoesltcp@uwinnipeg.ca, or at 204.789.1484.

English for Specific Purposes Program (ESP)

ESP is fully funded by the federal government, and as such, there are no fees for ESP courses for qualifying immigrants and refugees. Each course has different acceptance requirements, but all the courses require one to be a permanent resident living in Manitoba. ESP courses are offered three times per year: every fall, winter, and spring. One must submit an ESP application package to determine one's eligibility for a course.

i. Foundations for ESP

This course is for students who want to eventually enter the University Preparation Program or the Professional Purposes Program. This course focuses on improving overall English skills in speaking, listening, reading and writing required for academic and/or day-to-day work settings. This course will also allow learners to move on to UW's ESP courses. Students must have a Canadian Language Benchmark of 5 or higher.

ii. English for Professional Purposes Courses

These classes focus on the development of profession-specific English language skills for students who seek to enter or advance in their professions. Students must have a Canadian Language Benchmark 7 or higher.

English for Internationally Educated Teachers (EIET)

EIET Classroom Course

English for Internationally Educated Teachers is a 12-week part-time course offered two evenings per week for teachers who obtained their teaching credentials outside of Canada, and who wish to pursue a career in the K-12 education system in Manitoba. The course is designed to assist participants with acquiring communication skills necessary for a classroom context and to gain knowledge of the K-12 education system in Manitoba. Classes also focus on general English skill-building to help participants progress towards a higher language level in English. This course focuses on strengthening oral communication skills.

EIET Online course

This 12-week course is for students who live outside Winnipeg, or due to special circumstances, cannot attend the EIET classroom course. Lessons are accessed online and assignments are submitted directly to the instructor. Tele-conferencing, web-chats, and an online discussion forum are utilized for delivery. This course focuses on written communication skills.

English for Internationally Educated Accountants (EIEA)

This is a 12-week part-time course that focuses on the functional language needed for success as an accountant working in Manitoba and in field-specific academic programs such as the **Accelerated CGA** program, the mainstream **CGA** program, **CMA** and **CA**. Students also learn about cross-cultural awareness, particularly as it relates to the workplace. Upon completing the course, students will have acquired the language skills they need to pursue their professional goals.

Language and Communication for Internationally Educated Agrologists (LACFIEA)

This 12-week part-time course focuses on the language skills needed for practicing agrology in Manitoba and in-field specific academic programs, such as the **IEAP Program**. Students also learn about cross-cultural awareness, particularly as it applies to the workplace.

English for Engineering Professionals (EEP)

EEP Classroom Course

This is a 12-week, part-time course for engineers who obtained their engineering degree(s) outside of Canada, but wish to pursue a career in a field of engineering in Manitoba. The course focuses on the functional language and cross-cultural awareness needed for success at engineering firms, at the job site, at college or university programs, the **IEEQ Program**, or in academic level ESL programs such as **AEPUCE**. The classroom course will focus on occupation-related speaking, listening, reading, writing, guest speakers who will discuss engineering and communication topics, multi-media materials for language practice, and "culture and communication" topics. The anticipated outcome is that students will have the language skills necessary to independently facilitate their own successful participation in further professional or academic areas. This course is for internationally educated engineering graduates living in Manitoba who speak English as an Additional Language.

Technical Communication for Engineering Professionals (TCEP)

This 12-week part-time course is for internationally educated engineering graduates who are permanent residents of Canada. The pre-requisite for this course is the ESP course, "English for Engineering Professionals," which is also offered at the University of Winnipeg. This course continues from the foundations built in the "English for Engineering Professionals" in the areas of writing and oral communication, and will focus on refining effective strategies for clear, concise technical communication. The course content also incorporates grammar and culture elements relevant to internationally educated engineering professionals working in Canada.

English for IT Professionals (EITP)

Current estimates suggest that the Canadian Information and Communication Technology (ICT) labour market is vastly growing. As a result, there seems to be a short supply of qualified ICT workers and the integration of Internationally Educated Professionals (IEP) is essential in meeting the demand. This 12-week course seeks to provide communication and language training that will prepare internationally educated IT professionals for this opportunity and to ensure success.

iii. University Preparation Program for Immigrants (UPP)

The University Preparation Program is designed for newcomers to Canada. If you plan to attend The University of Winnipeg as a student and English is not your first language, this program can help you develop your English skills. Students must have a CLB 7 or higher.

English for Academic Writing

This is an advanced writing course for academic purposes. It focuses on the development of basic writing skills needed to succeed in an undergraduate setting. Topics include: the writing process; paragraph writing; essay composition; and paraphrasing & summarizing academic texts. The successful completion of this course is considered to be equal to the "Introduction to University" course and meets the language requirement for The University of Winnipeg. A student who completes this course will receive three unallocated credits towards a University of Winnipeg degree if a minimum grade of C+ is achieved.

English for Academic Learning and Speaking

This course provides the on-going practice of academic learning strategies, such as: understanding the format and structure of lectures; actively listening to lectures and taking notes; understanding and using academic vocabulary; using study strategies; comprehending and critically analyzing academic texts. As of fall, 2013, a student who completes this course will receive three unallocated credits towards a University of Winnipeg degree if a minimum grade of C+ is achieved. Students must have a Canadian Benchmark level 7 or higher.

For more information about the eligibility criteria and to request a registration package, please contact the Program Assistant at infoesp@uwinnipeg.ca, or phone 982-1818. To check the current course offerings and to download an application package, consult the ESP web site: <http://esp.uwinnipeg.ca/>.

3. The Collegiate

The Collegiate offers Grades 9, 10, 11 and 12 of the Manitoba High School curriculum. Students may apply for concurrent studies, taking a partial first-year Arts and Science program while completing the high school subjects necessary to meet Regular Status admission requirements at The University of Winnipeg. The Collegiate's programs are published separately and may be obtained from The Collegiate Office, Room 1W02, Wesley Hall (786-9221) or <http://www.uwinnipeg.ca/collegiate/>.

4. Menno Simons College

Overview

Menno Simons College (MSC) is a learning community rooted in the Anabaptist-Mennonite tradition. MSC educates students for the challenges of addressing conflict, inequality and poverty.

The faculty is committed to excellence in teaching, research and service through programs in Conflict Resolution Studies and International Development Studies. Grounded in a particular Christian tradition, MSC welcomes students from all backgrounds and serves as a meeting place where diverse communities gather to address critical local and international issues in a spirit of appreciation for different perspectives.

Programs of Study

MSC coordinates two programs that are fully integrated into The University of Winnipeg curriculum: Conflict Resolution Studies and International Development Studies. Students can choose a 3-Year or 4-Year major in either area, a BA Honours in IDS, or take Conflict Resolution and International Development courses as electives for other University of Winnipeg programs (see program descriptions in this Calendar).

The two majors prepare students for involvement in developing regions and conflict situations in community, organizational and international settings. The flexibility of these programs allows for double majors, and students are strongly encouraged to combine one of these majors with another discipline.

Features of MSC Programs

- Conflict Resolution Studies and International Development Studies include supervised field experiences, involving students in local and international projects.
- Financial assistance is available for a limited number of international placements.
- Small class sizes are maintained for optimum learning environments.
- A variety of special scholarships are available to CRS and IDS majors.
- The faculty consists of 13 full-time and a variety of part-time instructors, chosen on the basis of their specialized expertise and applied experience.
- Specialized academic advising is available for CRS and IDS majors.
- Services that complement the academic programs and enhance the university experience, such as resource lists, community lunch events, a students association, and career exposure activities, are offered.

Organizational Information

Menno Simons College offered its first courses in affiliation with The University of Winnipeg in 1989, and has grown steadily since that time. Bachelor of arts degrees, with a major in Conflict Resolution Studies and/or International Development Studies are granted by The University of Winnipeg.

Students register for Menno Simons College courses/majors through The University of Winnipeg. Menno Simons College maintains a relationship with the Chair of Mennonite Studies at The University of Winnipeg, offering students additional options for their programs.

Menno Simons College is also a College of Canadian Mennonite University, a degree-granting institution located in Winnipeg. Procedures are in place to enable CMU students to register for courses at The University of Winnipeg and enjoy the benefits of libraries at both universities.

Additional courses in CRS and IDS are available through Canadian Mennonite University.

Faculty

The College has an interdisciplinary faculty with backgrounds in anthropology, conflict resolution, economics, geography, history, peace studies, politics, psychology, rural studies, and sociology. (A complete listing of faculty is contained in General Information.)

Administration

Vice President Academic: Earl Davey, PhD
Associate Vice President/Practicum Director: Ruth Taronno, MA
CRS Program Coordinator: Lois Edmund, PhD
IDS Program Coordinator: Ruth Rempel, PhD

For more information contact:

Menno Simons College, Suite 102 - 520 Portage Ave, Winnipeg, MB R3C 0G2
Tel. 204-953-3855, Fax 204-783-3699, Website: www.mscollege.ca

5. Centre for Distributed/Distance Learning (CDDL)

<http://ddl.uwinnipeg.ca>

The Centre for Distributed/Distance Learning is part of the Centre for Teaching, Learning and Technology (CTLT).

a. Web Based Program Courses*

For the current course lectures including a playback list via Web Based , please visit Video on Demand on the internet at: vod.uwinnipeg.ca

Video on Demand courses use the internet as the primary delivery method. The "Studio" class lectures (instructor and students) are recorded live and seamlessly streamed online for playback by students or download to your desktop or video iPod. Students require high-speed internet access. Web Based courses are available 24/7. Students are responsible for attending, watching, or downloading Web Based lectures.

Section numbers for these courses will usually be:

Studio Classroom 1L10 – on-campus

Section 758 – (Fall & Fall/Winter)

Section 759 – (Winter)

Urban Winnipeg

Section 750 (Fall & Fall/Winter)

Section 752 (Winter Courses)

Selected Rural and Remote Manitoba Communities

Section 751 (Fall & Fall/Winter)

Section 753 (Winter Courses)

b. LMS-Online Program (Learning Management System – Online Courses -via NEXUS))*

The University utilizes the Desire2Learn learning management system branded NEXUS to offer a number of Arts, Science and Business courses online. Students should look for these courses in WebAdvisor or the current Course Timetable (PDF). Section numbers for these courses will usually be 760 (Fall and Fall/Winter Online Course Offerings) or 761 (Winter Online Course Offerings).

c. Online Synchronous Program – Blackboard Collaborate

The University offers a few courses delivered via Blackboard Collaborate. When a course is delivered synchronously, students are required to be at a computer in real-time for the lecture series. Some Instructors may choose to have students participate in a live chat session as one part of their course. Students are encouraged to read their course syllabus carefully.

***Note:** All general University rules and regulations apply to Web Based and LMS-Online and Online Synchronous programs and courses. Students should consult and be guided by the University of Winnipeg Course Calendar. Students are admitted and registered through the usual University of Winnipeg procedures. Advising on course selection is available by telephone, e-mail or on-campus from the Centre for Distributed/Distance Learning (CDDL), Academic Advising or Faculty.

d. Campus Manitoba: Web Based, LMS-Online and Online Synchronous Programs

Campus Manitoba is a consortium of Manitoba's public post-secondary institutions. Campus Manitoba usually operates in approximately sixteen rural centres each year. The University of Winnipeg offers a limited selection of first-year and second-year Arts, Business & Science via Web Based, LMS Online or Online Synchronous Programs.. Some development for condensed Science (Chemistry) labs to be held in Winnipeg are underway. At the moment, Students must be admitted and registered as Campus Manitoba students through their local Campus Manitoba Community Centre. Admission and registration are electronic. Section numbers for Web Based and Online courses will usually be 765 (Fall & Fall/Winter) or 766 (Winter). Each community has their own section number for the Online Synchronous Program.

All course offerings have the same term start and end dates as all other University of Winnipeg courses. Please see <http://www.campusmanitoba.com>

e. University College of the North (UCN): Inter-Universities Services

The University of Winnipeg, in partnership with Brandon University and the University of Manitoba, offers Arts, Business & Science courses to UCN students. Course delivery is primarily community-based and face-to-face with a small amount of videoconferencing. Students register with the University College of the North. Please see <http://www.ucn.ca>

For information on any of the above Programs, please call the Centre for Teaching, Learning and Technology at 204-786-9826. (Rural students may call collect.)

6. Institutes, Centres and Chairs

a. Aurora Family Therapy Centre

Aurora Family Therapy Centre is a United Way of Winnipeg Agency Partner located on The University of Winnipeg campus where students in the Masters of Marriage and Family Therapy program complete the majority of their supervised clinical practice. Aurora offers therapy to families, couples and individuals from the general community on an ability-to-pay basis, seeking to promote interpersonal and personal well-being in clients, while nurturing the development of well-informed family therapists who will artfully care for families and faithfully promote hope, caring and creativity wherever they serve.

b. Canada Research Chairs

The Canada Research Chairs program stands at the centre of a national strategy to make Canada one of the world's top countries for research and development. Chairholders aim to achieve research excellence in natural sciences, engineering, health sciences, humanities, and social sciences. The University of Winnipeg continues to seek outstanding leaders who will create new synergies among researchers and across traditional disciplinary boundaries, and who push for innovation and research excellence. Currently, The University of Winnipeg has six Canada Research Chairs:

Dr. Jeffrey Martin, Canada Research Chair in Fundamental Symmetries in Subatomic Physics (awarded 2011);
Dr. Evelyn Peters, Canada Research Chair in Inner-City Issues, Community Learning and Engagement (awarded 2010);
Dr. Mavis Reimer, Canada Research Chair in the Culture of Childhood (awarded 2005, renewed 2011);
Dr. Dawn Sutherland, Canada Research Chair in Science Education in Cultural Contexts (awarded 2006, renewed 2012);
Dr. Christopher Wiebe, Canada Research Chair in Quantum Materials Discovery (awarded 2012); and
Dr. Charles Wong, Canada Research Chair in Environmental Toxicology (awarded 2008)

Past Canada Research Chairs:

Dr. Jennifer Brown, Canada Research Chair in Aboriginal Peoples and Histories (2004-2011)
Dr. Tom Carter, Canada Research Chair in Urban Change and Adaptation (2003-2010)
Dr. Jacques Tardif, Canada Research Chair in Dendrochronology (2002-2012)

The University of Winnipeg Chancellor's Research Chair is intended to encourage and sustain a high level of scholarly activity by faculty who have made, and will continue to make, exceptional contributions to research in their field. There are currently two University of Winnipeg Chancellor's Research Chairs:

Dr. Craig Willis, Department of Biology (awarded 2011); and
Dr. Angela Failler, Department of Women's and Gender Studies (awarded 2012)

c. H. Sanford Riley Centre for Canadian History

The Riley Centre brings together into one location associations and organizations committed to researching the history of Canada from its indigenous and colonial times to the present. All the groups involved strive to share their knowledge of Canadian history with other groups, academic colleagues, as well as community and high school audiences. Located in Bryce Hall, the centre is named after former University Chancellor H. Sanford Riley in recognition of his many contributions to the centre and his long standing, active interest in Canadian history. For further details, please visit <http://www.uwinnipeg.ca/index/rileycentre-index>

d. Eastman Education Centre

Located on Loewen Blvd. in Steinbach, Manitoba, the Eastman Education Centre provides post-secondary education and training opportunities for youth and adults in South-East Manitoba. Opened in 2006, the Centre is 18,000 square feet and has 11 classrooms/computer labs as well as office space. Current education providers - including Red River College, Assiniboine College, Canadian Mennonite University and The University of Winnipeg - offer a variety of courses at the Centre. The University of Winnipeg has offered undergraduate courses at the Centre since January 2007. The EEC is a non-profit organization with charitable status; it's guided by a board composed of eight members from Steinbach and the surrounding area. For more information on the Centre and current course offerings, please visit www.uwinnipeg.ca/index/eastman-index

e. Centre for Emerging Markets

The purpose of the Centre for Emerging Markets is to generate and disseminate knowledge to global audiences through research, dialogue and teaching on issues relating to emerging markets. An emerging market generally refers to a developing market economy with low-to-middle per capita income. Countries in this category are usually undertaking a process of economic development and reform. The centre's mission is to promote research of international standing and knowledge translation in Emerging Markets. For more information, please visit <http://ion.uwinnipeg.ca/~ssingh5/>

f. Centre for Forest Interdisciplinary Research (C-FIR)

C-FIR is a research centre at The University of Winnipeg dedicated to the development of interdisciplinary research, education, and training in the areas of forestry, forest ecosystems, forest values and the human uses of forests. The intent is to assist all forest stakeholders to reach the goals of ecosystems-based forest management. C-FIR focuses on understanding the evolution of today's forests, the current conditions of the region's forests, the values of the public and special interest stakeholders for the forest, and using past and present information to assist in understanding future changes and impacts to the region's forests.

g. The University of Winnipeg Global College

The University of Winnipeg Global College fosters global citizenship and engagement in human rights through interdisciplinary teaching, research, dialogue, and action in local and global communities. The college coordinates a BA in Human Rights and an MA in Peace and Conflict Studies (joint program with the University of Manitoba). These programs combine classroom study with opportunities for experiential learning in practicum settings, or through field courses overseas or at UN headquarters.

Faculty members drawn from throughout the university lead the Global College institutes that enhance interdisciplinary research and collaboration with civil society partner organizations. Student engagement is facilitated through the Global College Student Advisory Council, which organizes a wide range of activities each year.

For more information on the breadth of interdisciplinary academic and community learning opportunities at Global College, please visit <http://globalcollege.uwinnipeg.ca>

h. The Global Welcome Centre

Since 2007 The Global Welcome Centre has assisted immigrants and refugees to access and integrate into post-secondary education by providing academic language and learning services.

Programs and services include EAL Computer Classes, Immigrant Access Advisor, Bridge-to-University Program, and a Mentoring and Tutoring Program. The centre also partners with The English for Specific Purposes Program to offer English for Professionals and University Preparation classes. The centre is a place where students and the community come to use the computer lounge, study, and make new friends from diverse backgrounds.

All programs offered through The Global Welcome Centre are fully funded and offered at no cost to landed immigrants and naturalized citizens via sponsorship by the Manitoba Immigrant Integration Program, which is funded by Citizenship & Immigration Canada, and Labour & Immigration Manitoba.

For more information, call 204.258.2929, email globalwelcomecentre@uwinnipeg.ca or visit us at 511 Ellice Avenue or on the web at <http://globalwelcomecentre.uwinnipeg.ca>

i. Heads Up Concussion Institute

The Heads Up Concussion Institute was established in June 2012 and is sponsored by the University of Winnipeg. It is housed within the Faculty of Kinesiology and the Department of Kinesiology and Applied Health. The purpose is to provide optimal prevention, education, monitoring, treatment and research of concussions.

The institute fosters leading edge research in the area of concussion in sport. It also organizes awareness and education programs and hosts events, often in collaboration with the medical and sports communities. Testing, consultation and referral services are offered to those suffering from concussion symptoms. In doing its work, the institute draws upon the resources at the University of Winnipeg including faculty members from Kinesiology; Biology; Sociology and Psychology among others as well as the Athletic Therapy program, the Athletic Therapy Clinic and the proposed Health, Wellness and Healing Centre.

j. Centre for Innovation in Teaching and Learning

The Centre for Innovation in Teaching (CITL) and Learning is a part of the larger Centre for Teaching, Learning and Technology (CTLT). As a University resource for faculty and staff, the CITL promotes excellence and innovation in teaching and learning. The CITL provides professional development opportunities and training related to all aspects of teaching and learning for faculty and staff members. Through presentations, lectures, workshops, and discussions, the Centre provides a forum on issues pertaining to teaching and learning. Besides providing expert advice, access to new technologies, technical and instructional technology production assistance in support of teaching and learning, the CITL is also responsible for the UW Learning Management System (*Nexus*). The CTLT is responsible for the UW Student Evaluation of Teaching (SET). For more information, please contact Holly at 786-9826.

k. University College of the North *kanaci otinawawasowin* Bachelor of Midwifery

The *kanaci otinawawasowin* Bachelor of Midwifery offers an approach to midwifery education that blends Aboriginal teachings with western midwifery knowledge. The curriculum takes a holistic approach to wellness, providing exposure to traditional midwifery knowledge and current research, alongside clinical education in the full scope of midwifery practice. The program operates from space in the AnX, although clinical placements occur in locations throughout Manitoba. Graduates of the Bachelor of Midwifery program are eligible to write the Canadian Midwifery Registration Exam, and to apply for registration as a Midwife with the College of Midwives of Manitoba. The program's base is located in the AnX. The University College of the North and the University of Winnipeg are working cooperatively such that UCN Midwifery students are allowed access to all University of Winnipeg student services. Further information about the program may be found on the University College of the North website: www.ucn.ca

l. The University of Winnipeg Richardson College for the Environment

The Richardson College for the Environment is where people from a wide variety of backgrounds and expertise come together to address some of our most pressing environmental issues. Physically, on the third floor of the Richardson College for the Environment and Science Complex, it is home to a diverse collection of people, offices and interests, including the Institute of Urban Studies, the Department of Indigenous Studies, the CN Indigenous Resource Centre, the University of Winnipeg Sustainability Initiative, the CISCO Innovation Centre, associates of the Master's in Development Practice program, and two Canada Research Chairs. Conceptually, it is a place where people occupying the College work together, and with others within the University and beyond, to assess some of our most pressing environmental issues, especially those related to the key issues of climate change, urban environments, water resources, indigenous development, and the North. Since these issues have many points of intersection, the interdisciplinary approach of the College is perfectly suited to the development of the conversations, policies and solutions that are so desperately needed to address our environmental problems, locally and globally. The College is a frequent host for special events and lectures related to its key issues. The Principal of the Richardson College for the Environment, with members of the University faculty and staff, is developing a framework for engagement with the College that will be used to develop targeted research projects and institutes, community affiliations, and student engagement through summer institutes.

m. Centre for Rupert's Land Studies (CRLS)

The Centre for Rupert's Land Studies is unique in its focus on Rupert's Land, the vast Hudson Bay watershed region claimed by the Hudson's Bay Company from 1670 to 1870, and its borderlands. We foster interdisciplinary research and conversation among all who share an interest in the history and peoples of the Hudson Bay watershed, with particular emphasis on Aboriginal and fur trade history and the immense resources of the Hudson's Bay Company Archives, nearby. Since 1984, the Centre has been a nexus for sharing information, new research, and perspectives through three major means:

- Biennial Colloquiums---informal conferences that have met in a wide range of settings linked to Aboriginal people and the fur trade.
- Publication of monographs, Colloquium proceedings, and Aboriginal oral history materials, for example, the stories of Louis Bird at www.ourvoices.ca. The Rupert's Land Record Society series of documentary volumes, co-published with McGill-Queen's University Press, offers carefully researched original source materials for scholars, students, and communities. Subscribing members receive our biannual Rupert's Land Newsletter.
- Research assistance and networking, linking CRLS members and others across North America and abroad who have common interests and questions. We also maintain a roster of locally available assistants qualified to help with archival and other research.

The Centre offers annually the C. Richard Harington Fellowship to a student pursuing advanced studies in its areas of interest. It is also home to a small research facility and to the Elizabeth B. Losey Fur Trade Library of about 1000 works, many of them rare and out of print, and other resources. The Centre is home to the Canada Research Chair in Aboriginal Peoples and Histories. For more information visit <http://uwebpro.uwinnipeg.ca/academic/ic/rupert/index.html>

n. Winnipeg Institute for Theoretical Physics

The Winnipeg Institute for Theoretical Physics is a formal Institute of both The University of Winnipeg and the University of Manitoba. It was created to support theoretical physics research in Manitoba. It has carried out this mandate by encouraging collaboration between members of the Institute, by financially supporting expert seminars in the research areas of concern, and by financially supporting the long term visits of internationally respected scientists to the Institute to facilitate collaboration between these scientists and Institute members. The permanent members of the Institute include all theorists in the Physics Departments at The University of Winnipeg and The University of Manitoba, as well as theorists from Brandon University.

o. Institute of Urban Studies (IUS)

Since its inception in 1969, the Institute of Urban Studies has acted as an innovative, action-oriented and non-partisan research and educational facility. The Institute's research mandate encompasses topics related to the social, demographic, physical, economic and environmental well-being of Canadian communities and cities. Projects undertaken by the Institute may be in behalf of, or in partnership with, governments, the private sector and community-based organizations. Research specialties include housing, neighbourhood change, urban aboriginal issues, sustainable urban development and urban poverty. Since 1992, IUS has produced *The Canadian Journal of Urban Research*, one of the few national peer-reviewed journals on urban issues. In addition to the Journal, the Institute operates a small publishing program, including a student paper prize. To assist students, faculty and community members engaged in urban research, the Institute operates a lending library, accessible through the University of Winnipeg Library catalogue (see <http://www.uwinnipeg.ca/index/ius-index>)

p. Wii Chiiwaakanak Learning Centre

Wii Chiiwaakanak means "Partners". The centre is a bridge and connection between the University of Winnipeg, and all it has to offer, and the Aboriginal and Inner City communities. The Wii Chiiwaakanak Learning Centre is a community partnership initiative that provides educational and capacity building opportunities. It is designed to reflect our neighbours' needs for an educational gathering place that is inclusive and accessible. The Wii Chiiwaakanak Learning Centre is open during the day, evening and Saturday and provides the community with free and open access to the RBC Community Learning Commons, the North West Company Heritage room, community meeting spaces, after school homework clubs, and cultural programs. Each day and evening we see the needs of the community and the impact that our Centre has made in improving lives. Visit www.uwinnipeg.ca/index/wcclc-index for more information. Also keep updated with The Wii Chiiwaakanak Learning Centre on Facebook, Twitter, and Instagram.

q. The Institute for Women's and Gender Studies

Supported by funding from the Margaret Laurence Endowment for Women's Studies, the Institute for Women's and Gender Studies (IWGS) was created with a mandate to strengthen and facilitate the development of Women's and Gender Studies (WGS) in the University and the community. The Institute encourages and supports teaching, community education, research and scholarship which further an understanding of women and gender; which work toward eliminating sexism, discrimination and social inequalities; and which develop the creative and transformative potential of the university, community, and society. Educational programming may include a Feminist Speakers Series, occasional documentary and popular video presentations and discussions, various workshops and co-sponsorship of activities, and presentations with other organizations committed to understanding the realities of women and gender. IWGS extends the academic work of the Department of Women's and Gender Studies through feminist teaching, collaborative research projects, cooperative learning seminars, advocacy training, and field placements for Women's and Gender Studies Practicum students. The Institute has developed partnerships with groups such as the Immigrant Women's Association of Manitoba and Mentoring Artists for Women's Art. The current focus of the Institute is on developing research related to digital and social media. For more information, please contact (204)786-9409 or visit <http://www.iwgs.ca/>.

r. The Centre for Research in Young People's Texts and Cultures

The Centre for Research in Young Peoples Texts and Cultures (CRYTC) supports scholarly inquiry into literary, media, and other cultural texts for children and youth. The Centre provides a focus for research in the field at the University of Winnipeg, houses the journal *Jeunesse: Young People, Texts, Cultures*, facilitates the development and management of collaborative

national and international research projects, hosts visiting speakers and researchers, and maintains links with other research centres in children's studies internationally. CRYTC was established by the University of Winnipeg in 2006, in order to recognize, organize, and extend the expertise in the study of texts for children and youth that had developed at the University, principally through the Department of English, over more than thirty years. Today, the Centre houses the office of the Canada Research Chair in Young People's Texts and Cultures, as well as the offices of three other faculty members, an office for the Research Coordinator and the Managing Editor for *Jeunesse*, a multi-media Research Meeting Room, and work stations for visiting researchers and research assistants. For more information, please visit <http://crytc.uwinnipeg.ca>.

7. Brandon University Psychiatric Nursing Program

The Faculty of Health Studies, Brandon University, offers a 4 year Bachelor of Science of Psychiatric Nursing (BScPN) program both in Brandon and at an off-campus site located in the lower level of the Rice Financial Building at 491 Portage Ave., Winnipeg. The Winnipeg site operates in collaboration with the University of Winnipeg. The program combines 124 credit hours of psychiatric nursing education with studies in Arts, Science and Humanities. Brandon University Psychiatric Nursing (69) courses are offered by a combination of on-site and distance delivery methods. Graduates of the program are eligible to write the qualifying examination for licensure as a Registered Psychiatric Nurse (R.P.N.) with the College of Registered Psychiatric Nurses of Manitoba. Specific BScPN program details are available on the School of Health Studies link at www.brandonu.ca.

Please contact the BScPN Student Advisor Cathy Demas at (204) 727-7403 or e-mail demas@brandonu.ca for more information.

NOTE: Effective for September 2010 intake, students will be admitted into a Pre-Psychiatric Nursing Year through Brandon University. Upon successful completion of the required Pre-Psychiatric Nursing courses, students can apply and will be considered for acceptance into the BScPN program. Enrolment into the BScPN is limited. GPA in the Pre-Psychiatric Nursing courses will be the primary criterion for admission.

Admission Process for Pre-Psychiatric Nursing

Applications will be accepted from students who meet the Brandon University admission requirements. Although not required, the following Grade 12 High School subjects are highly recommended: English, Math (Pre-Calculus or Applied) and Science (Biology or Chemistry preferred).

Applications to the Pre-Psychiatric Nursing year must be made through Brandon University. Admission information and BU undergraduate applications are available from Brandon University website www.brandonu.ca or by contacting the Admissions Office at (204) 727-9784. Completed application form and required documentation should be forwarded to the Admissions Office as early as possible. Deadline for applying to the pre psychiatric nursing off-campus site Winnipeg June 14, 2013.

Students accepted into the Pre-Psychiatric Nursing year will have visiting status at the University of Winnipeg and will be required to meet with the BScPN Student Advisor prior to course registration at a scheduled orientation/registration sessions held at the off – campus site in Winnipeg.

Pre-Psychiatric Nursing Requirements

–

University of Winnipeg

*BIOL-1112(6) Human Anatomy and Physiology

*PSYC-1000(6) Introductory Psychology

*PSYC-2101(3) Introduction to Data Analysis OR STAT-1501(3) Elementary Biological Statistics I OR SOC-2125(3) Introduction to Quantitative Research Methods I

*SOC-1101(6) Introduction to Sociology

Brandon University-

69.151 Health Promotion: Developmental Transitions Throughout the Lifespan

69.152 Fundamentals of Psychiatric Nursing Practice I

***69.161 Introduction to Interpersonal Communication**

Year 2-4 of the BScPN Health Studies Courses

*

69.153 Fundamentals of Psychiatric Nursing Practice II

69.251 Principles of Health Assessment

69.252 Psychopharmacology

69.253 Fundamentals of Psychiatric Nursing Practice III

69.255 Integrated Practice I

69.261 Principles Individual Counselling

69.262 Medical Nursing for Psychiatric Nurses

69.265 Integrated Practice II

69.271 Psychiatric Nursing of Elderly Persons

69.272 Principles of Palliative Care

69.346 Integrated Practice III

69.359 Psychiatric Nursing with Children and Adolescents

69.360 Community Health

69.363 Psychopathology

69.364 Therapeutic Groups

69.366 Acute Mental Health Challenges I

69.367 Family Counselling

69.368 Interpersonal Abuse

69.377 Developmental Challenges
69.379 Addictions
69.442 Integrative Clinical Practicum
69.454 Leadership in Professional Practice
69.457 Introduction to Health Research Methods
69.472 Psychiatric Rehabilitation and Recovery
69.473 Contemporary Perspectives on Professional Health Issues
69.474 Philosophical Perspectives for Practice

8. Engineering at the University of Minnesota College of Science and Engineering

The University of Winnipeg and the University of Minnesota's College of Science and Engineering offer a dual degree program in engineering for students who want to attend one of the top engineering schools in North America.

Students begin their dual degree at The University of Winnipeg by studying Mathematics, Chemistry, Geography, Biology or Physics. Those students who complete a 3-year Bachelor of Science in any of those five majors and have a minimum GPA of 2.5 - 2.8 (depending on the program) are guaranteed a place in the college's engineering program. They complete the dual degree with a final two years of study, this time in Minneapolis where they will earn an engineering degree. Graduates of the dual degree program will be recognized by the Canadian Council of Professional Engineers, allowing them to practice in Canada.

In addition, students who complete a 4-year or Honours Bachelor of Science degree at The University of Winnipeg are eligible to apply for the college's Master of Engineering program. However, acceptance to that program is not guaranteed.

Students who complete the final two years of the Engineering dual degree with a GPA of 2.5 or higher would be able to apply to The University of Winnipeg for standing in 30 credit hours of senior courses taken at the University of Minnesota. These credits, if approved, would be added to the students' University of Winnipeg transcript and would qualify them to upgrade their 3-year BSc to a 4-year BSc in Mathematics, Chemistry, Geography, Biology or Physics (University of Minnesota Dual Degree Streams). Thus these students would have earned two degrees: a 4-year Bachelor of Science from The University of Winnipeg and a Bachelor of Engineering from the University of Minnesota College of Science and Engineering.

Engineering Majors

Aerospace Engineering

CHEM-1111(3) Introduction to the Chemical Properties of Matter

MATH-1101(6) Introduction to Calculus or **{MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II}

PHYS-1101(6) Foundations of Physics I, **PHYS/ACS-2102(3)** Scientific Computing 1, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **{MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I + **MATH 1201(3)** Linear Algebra 1}, **PHYS-2110(3)** Statics, **PHYS-2201(6)** Electricity and Magnetism, **PHYS-2302(6)** Foundations of Physics II, **PHYS-3202(3)** Classical Mechanics 1, **PHYS 3203(3)** Classical Mechanics II

Biomedical Engineering

BIOL-1115(3) Cells and Cellular Processes, **BIOL-1116(3)** Evolution, Ecology and Biodiversity, **BIOL-3221(3)** Cell Biology, **BIOL-3602(3)** Comparative Animal Physiology I, **CHEM-1111(3)** Introduction to the Chemical Properties of Matter + **CHEM-1112(3)** Basic Principles of Chemical Reactivity, **CHEM-2202(3)** Organic Chemistry I, **CHEM 2102(3)** Thermodynamics and Kinetics

MATH-1101(6) Introduction to Calculus or **{MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II}.

PHYS-1101(6) Foundations of Physics I, **PHYS-2201(6)** Electricity and Magnetism **PHYS/ACS-2102(3)** Scientific Computing 1, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **{MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I+ **MATH-1201(3)** Linear Algebra 1, **STAT-3611(3)** Mathematical Statistics I

Bioproducts and Biosystems Engineering

BIOL-1115(3) Cells and Cellular Processes, **BIOL-1116(3)** Evolution, Ecology and Biodiversity (recommended), **BIOL-3221(3)** Cell Biology

CHEM-1111(3) Introduction to the Chemical Properties of Matter **CHEM-1112(3)** Basic Principles of Chemical Reactivity

MATH-1101(6) Introduction to Calculus or **{MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II}.

PHYS-1101(6) Foundations of Physics I, **PHYS-2105(3)** Math Physics I and **PHYS-2106(3)** Math Physics 2 or **{MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I + **MATH-1201(3)** Linear Algebra 1}, **PHYS-2201(6)** Electricity and Magnetism, **PHYS-2110(3)** Statics, **PHYS-3202(3)** Classical Mechanics 1

Courses for a particular emphasis:

Bioproducts Engineering Emphasis

CHEM-2202(3) Organic Chemistry I, **CHEM-2203(3)** Organic Chemistry II

Bioprocessing & Food Engineering Emphasis

CHEM-2202(3) Organic Chemistry I, **CHEM-2203(3)** Organic Chemistry II

STAT-3611(3) Mathematical Statistics I

Environmental & Ecological Engineering Emphasis

STAT-3611(3) Mathematical Statistics I

Chemical Engineering

CHEM-1111(3) Introduction to the Chemical Properties of Matter, **CHEM-1112(3)** Basic Principles of Chemical Reactivity, **CHEM-2102(3)** Thermodynamics and Kinetics, **CHEM-2103(3)** Atoms, Molecules and Spectroscopy, **CHEM-2202(3)** Organic Chemistry I, **CHEM-2203(3)** Organic Chemistry II, **CHEM-2302(3)** Quantitative Chemical Analysis, **CHEM-3302(3)** Methods of Chemical Analysis

MATH-1101(6) Introduction to Calculus or **{MATH-1103(3)** Introduction to Calculus I & **MATH-1104(3)** Introduction to Calculus II}.

PHYS-1101(6) Foundations of Physics I, **PHYS-2105(3)** Math Physics I and **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I + **MATH-1201(3)** Linear Algebra 1), **PHYS-2201(6)** Electricity and Magnetism

Civil Engineering

CHEM-1111(3) Introduction to the Chemical Properties of Matter, **CHEM-1112(3)** Basic Principles of Chemical Reactivity, **CHEM-2202(3)** Organic Chemistry 1 *if doing the environmental emphasis*
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I & **MATH-1104(3)** Introduction to Calculus II), **PHYS-1101(6)** Foundations of Physics I, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I + **MATH-1201(3)** Linear Algebra 1), **PHYS-2110(3)** Statics, **PHYS-2201(6)** Electricity and Magnetism, **PHYS-3202(3)** Classical Mechanics I *if doing the structural or transportation emphasis*
STAT-3611(3) Mathematical Statistics I

Computer Engineering

(ACS-1903(3) Programming Fundamentals I + **ACS-1904(3)** Programming Fundamentals II) or **ACS-1905(3)** Programming Fundamentals, **ACS-2947(3)** Data structures and Algorithms, **ACS 3931(3)** Principles of Operating Systems
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I & **MATH-1104(3)** Introduction to Calculus II), **MATH-1401(3)** Discrete Mathematics
PHYS-1101(6) Foundations of Physics I, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I + **MATH 1201(3)** Linear Algebra 1), **PHYS-2201(6)** Electricity and Magnetism

Computer Science

(ACS-1903(3) Programming Fundamentals I + **ACS-1904(3)** Programming Fundamentals II) or **ACS-1905(3)** Programming Fundamentals, **ACS-2906(3)** Computer Architecture and System Software, **ACS-2947(3)** Data structures and Algorithms, **ACS-3902(3)** Database Systems, **ACS-3916(3)** Graphical User Interfaces
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II), **MATH-1401(3)** Discrete Mathematics
PHYS-1101(6) Foundations of Physics I, **PHYS-2201(6)** Electricity and Magnetism
STAT-3611(3) Mathematical Statistics I

Electrical Engineering

CHEM-1111(3) Introduction to the Chemical Properties of Matter
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II), **PHYS-1101(6)** Foundations of Physics I, **PHYS-2102(3)** Scientific Computing 1, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I + **MATH 1201(3)** Linear Algebra 1), **PHYS-2201(6)** Electricity and Magnetism
(CHEM-1112(3) Basic Principles of Chemical Reactivity or **PHYS-2302(6)** Foundations of Physics II)

Geological Engineering

CHEM-1111(3) Introduction to the Chemical Properties of Matter, **CHEM-1112(3)** Basic Principles of Chemical Reactivity
GEOG-1202(3) Introductory Earth Science, **GEOG-2215(3)** Mineralogy and Petrology
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II), **PHYS-1101(6)** Foundations of Physics I, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 and **MATH-2106(3)** Intermediate Calculus 2 & **MATH-2102(3)** Differential Equations I + **MATH 1201(3)** Linear Algebra 1), **PHYS-2110(3)** Statics, **PHYS-2201(6)** Electricity and Magnetism, **PHYS-3202(3)** Classical Mechanics I
STAT-3611(3) Mathematical Statistics I

Industrial and Systems Engineering

BUS-2210(3) Fundamentals of Marketing
CHEM-1111(3) Introduction to the Chemical Properties of Matter
ECON-1102(3) Introduction to Economics: Micro
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II) **PHYS/ACS-2102(3)** Scientific Computing 1, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 and **MATH-2106(3)** Intermediate Calculus 2 & **MATH-2102(3)** Differential Equations I + **MATH 1201(3)** Linear Algebra 1)
STAT-3611(3) Mathematical Statistics I

Materials Science Engineering

CHEM-1111(3) Introduction to the Chemical Properties of Matter, **CHEM-1112(3)** Basic Principles of Chemical Reactivity, **CHEM-2202(3)** Organic Chemistry I
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I + **MATH-1104(3)** Introduction to Calculus II), **PHYS-1101(6)** Foundations of Physics I, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)** Differential Equations I + **MATH-1201(3)** Linear Algebra 1), **PHYS-2110(3)** Statics, **PHYS-2201(6)** Electricity and Magnetism, **PHYS-2302(6)** Foundations of Physics II

Mechanical Engineering

General Biology strongly recommended.
CHEM-1111(3) Introduction to the Chemical Properties of Matter
MATH-1101(6) Introduction to Calculus or **(MATH-1103(3)** Introduction to Calculus I & **MATH-1104(3)** Introduction to Calculus II), **PHYS-1101(6)** Foundations of Physics I, **PHYS/ACS-2102(3)** Scientific Computing 1, **PHYS-2105(3)** Math Physics I + **PHYS-2106(3)** Math Physics 2 or **(MATH-2105(3)** Intermediate Calculus 1 + **MATH-2106(3)** Intermediate Calculus 2 + **MATH-2102(3)**

Differential Equations I+ **MATH-1201(3)** Linear Algebra 1} **PHYS-2110(3)** Statics, **PHYS-2201(6)** Electricity and Magnetism, **PHYS-3202(3)** Classical Mechanics I.
STAT-1301(3) Statistical Analysis 1, **STAT-1302(3)** Statistical Analysis 2, **STAT/MATH -3611(3)** Mathematical Statistics 1, **STAT/MATH 3612(3)** Mathematical Statistics 2