



THE UNIVERSITY OF  
**WINNIPEG**

Sustainability

## University of Winnipeg Sustainability Course Index - Graduate

This index was last updated July 2024. Please check the University of Winnipeg's academic calendar to determine which courses are currently being offered.

### Sustainability Designations:

**F: Sustainability Focused (sustainability is the primary focus of the course)**

**I: Sustainability Inclusive (sustainability topics aren't the primary focus, but are incorporated in a prominent way)**

BIOLOGY			
Title	Course #	Description	Sustainability Designation
Bioscience and Policy	GBIO-7103	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	F

		with policy makers and understand how scientists participate in the formulation of science policy	
Critical Environmental Issues	GBIO-7614	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.	F
<b>DEVELOPMENT PRACTICE</b>			
Title	Course #	Description	Sustainability Designation
Orientation to Master's in DP	GDP-7700	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.	I
Human Security Indigenous Knowledge	GDP-7702	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.	F

<p>Health Sustainable Development</p>	<p>GDP-7704</p>	<p>This course provides non-health experts with basic population health concepts within an Indigenous context. The course explores social, cultural, economic and political forces shaping health ideology for Indigenous populations. Health topics that are addressed specifically include maternal and child health including birthing practices, chronic disease such as Type II Diabetes, and infectious diseases such as Tuberculosis, and food security. Students explore strategies that Indigenous communities have employed to move towards self-determination in health care, in the collection of health data, policy changes, and the development of programs that meet the unique health needs of Indigenous communities in Canada and internationally</p>	<p>I</p>
<p>Indigenous Economic Development</p>	<p>GDP-7707</p>	<p>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</p>	<p>I</p>

<p>Indigenous Thoughts &amp; Worldview: Sustainable Understanding</p>	<p>GDP-7709</p>	<p>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.</p>	<p>I</p>
<p>Macroeconomics Policy and Sustainable Development</p>	<p>GDP-7711</p>	<p>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</p>	<p>I</p>
<p>Poverty and Human Rights</p>	<p>GDP-7712</p>	<p>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.</p>	<p>F</p>

Environmental Sustainability	GDP-7750	This course considers best practices in sustainable staples-based development, focusing on water, energy and mining. Topics include conceptual and methodological tools and frameworks associated with resource management, including impact assessment, meaningful engagement, community-based management, post approval practices and adaptive management. In critiquing current practices, students reflect on innovations designed to begin the process of respecting inherent rights and Indigenous sovereignty in environmental decision making processes. Restriction(s): Cannot receive credit in GDP-7750 if already received credit in GESC-7522 or GEOG-4450 or ENV-4450.	I
<b>CRIMINAL JUSTICE</b>			
Title	Course #	Description	Sustainability Designation
Colonialism & CJ	G CJ-7500	This seminar course explores the relationship between settler colonialism and the Criminal Justice system in Canada. The course considers the criminal justice system as one among many interlocking systems that both shape the life chances of Indigenous peoples in the present, and continue to be shaped by Indigenous peoples' resistance to attempted domination. Topics include Indigenous legal systems, deaths in custody, policing, murdered and missing Indigenous women and girls, social work, resistance and resurgence movements, and restorative justice. Emphasis is placed on reading Indigenous scholars from across Turtle Island and cultivating tools to critically engage with hegemonic narratives about Indigenous criminalization. Restriction(s): Students may not have credit for this course and CJ-4500.	F

## ECONOMICS

Title	Course #	Description	Sustainability Designation
Natural Resource Economics	GECON-7311	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.	<b>F</b>
	GECON-7315	This course reviews the theoretical foundations of environmental and natural resources economics addressing issues such as externalities, regulation of polluting activities, and the role of natural resources in economic development. It examines environmental policy and resource extraction strategies in the context of complexities arising due to imperfect competition, international trade, and uncertainty. Dynamic optimization techniques are applied to analyze climate change and the efficient utilization of renewable and non-renewable resources such as fisheries, forestry, minerals and fossil fuels.	<b>F</b>
	GECON-7317	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	<b>F</b>

		problems in developing countries, and to current international environmental issues such as climate change.	
INDIGENOUS STUDIES			
Title	Course #	Description	Sustainability Designation
Pathways to Indigenous Wisdom	GIS-7021	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 Nations governance, development efforts and systems. Restriction(s): Students cannot receive credit for this course if they already have credit for IS-4021 or GIS-4021.	I
Indigenous Globalization & Development	GIS-7023	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 as its starting point, the class examines innovations in Indigenous economic development that are culturally respectful, environmentally	F

		responsible and that build a new sense of community. Restriction(s): Students cannot receive credit for this course if they already have credit for GDP-7716 or IS-4023	
Biocultural Conservation	GIS-7024	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	<b>F</b>
Community Food Security: Indigenous & International Perspective	GIS-7026	Community food security is gaining wider recognition and importance. The course focuses on a rich diversity of self-organized food systems to improve, maintain and enhance their health, well-being, resilience and ecological sustainability originated and nurtured by Indigenous and socially-economically under-represented local communities. It also examines Canadian and International case studies and empirical research on Indigenous voices, knowledges and perspectives on their own food systems. This course explores and critically engages students with the concepts, approaches, practices and challenges of Indigenous food production, consumption and distribution systems and processes and their role in achieving community food security. Restriction(s): Students cannot receive credit for this course if they already have credit for GIS-4026 or IS-4026	<b>R</b>