

**Geography 1190 Traditional Knowledge, Science and the Environment
COURSE OUTLINE WA2023**

Schedule: Lectures 3 hours per week
 Tuesday 8:30 – 10:00 & Thursday 8:30 – 10:00
 SN 1051

Instructors:

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Course materials will be posted on Desire2Learn.

COURSE OBJECTIVES & LEARNING OUTCOMES

Objectives	Outcomes – You should be able to:
Understand the mechanisms of knowledge creation	<ul style="list-style-type: none"> Articulate the differences and interactions of data, information, knowledge and wisdom
To appreciate and acknowledge Indigenous and western science.	<ul style="list-style-type: none"> Articulate the differences in data collection, perceiving information, producing and accepting knowledge in both a holistic and reductionist lens.
To appreciate the richness of the knowledge that comes from the land where we live.	<ul style="list-style-type: none"> Describe the role values and ethics play on our environmental worldview. Describe how diversity of knowledge builds resilience in a system.
To realize the importance of a diversity of science methods and knowledge	Articulate the interdependencies of worldviews, institutions and technologies in defining our cultures and relationship to the environment.
To understand and acknowledge how Indigenous people have been threatened by the domination of western science and knowledge. Invisibility & colonialism.	<ul style="list-style-type: none"> Describe the major instruments and effects of colonialism.
To understand the general concepts of a systems approach to the social-ecological environment.	<ul style="list-style-type: none"> Describe the environment in terms of its structure and function. Articulate a view of humans as participants in the environment and humans as controllers of the environment.
To challenge our concepts of sustainability and sustainable development and the human role in ensuring survival for future generations.	<ul style="list-style-type: none"> Discuss short and long term strategies to meet the security needs of people in the social-ecological system.
To provide exposure to environmental issues and their effects on local people through case study examples	<ul style="list-style-type: none"> Discuss some of the major challenges of development and the environment through a local lens.

COURSE SCHEDULE:

Date	Lectures	Lecture Topic	Marks
10-Jan-23	1A	Introductions	
12-Jan-23	B	Knowledge Acquisition and Perceptions of Land	
17-Jan-23	2A	In-Class Perceptions of Wilderness COP 15 30/30	5%
19-Jan-23	B	In-Class Perceptions of an Indigenous Nation Needs	5%
24-Jan-23	3A	Introduction to KO Tribal Council, Indigenous Rights and Governance	
26-Jan-23	B	Development Planning	5%
31-Jan-23	4A	Issues and Opportunities in Treaty 5 and 9	
2-Feb-23	B	Indigenous Worldview, Knowledge and connection to the land	
7-Feb-23	5A	Collision of Cultures - Scenario Analysis	5%
9-Feb-23	B	Tools of colonization - Planning and Numbers	
14-Feb-23	6A	Tools of colonization cont...Maps, Laws and Power	
16-Feb-23	B	Quiz 1 (D2L) KNOWLEDGE IS EVERYWHERE	15%
21-Feb-23	READING WEEK		
23-Feb-23	READING WEEK		
28-Feb-23	7A	Well-being and human dignity	
2-Mar-23	B	Knowledge - Tripartite Reconciliation	
7-Mar-23	8A	KO Health/Child and Family Services	Choice of 4 Guest Lecturer Take-home messages 20%
9-Mar-23	B	Indigenous Relationship with Fish - Aquaculture technologies	
14-Mar-23	9A	Land-based Education and Guardians	
16-Mar-23	B	Economic Opportunities/ Rocky Bay	
21-Mar-23	10A	Indigenous Cumulative Effects	
23-Mar-23	B	Water Quality, River Quality and River Life	
28-Mar-23	11A	Food Sovereignty- Living with Food	
30-Mar-23	B	Quiz 2 (D2L) INDIGENOUS AND WESTERN SCIENCES	15%
4-Apr-23	12A	Indigenous Led Conservation Poster Presentation	30%
6-Apr-23	B	Indigenous Led Conservation Poster Presentation	