



## DEPARTMENT OF GEOGRAPHY

### GEOGENST 1190 Indigenous Knowledge Science and the Environment

#### WINTER 2021

instruction in the classroom will be recorded for confidential access by students registered in the course but who are unable to attend class due to the pandemic or other necessity. To the greatest extent possible only the image and voice of the instructor will be recorded for this purpose but, due to class interaction, the images and voices of students present in the classroom may be incidentally recorded and, thus, be available for access by course students in remote locations. These recordings, however, are strictly confidential and may be used only by the instructor and students registered in the course and only for purposes related to the course. They may otherwise not be used or disclosed. Students in the classroom who are concerned about being recorded in this fashion may request the instructor to exclude them from the recording to the greatest degree possible on the understanding that total exclusion cannot be guaranteed. The recordings are made under the authority of sections 3 and 14 of The Lakehead University Act, 1965. Questions about the collection of the images and sounds in the recordings may be directed to Chair of Geography, Robert Stewart, Thunder Bay Campus (807) 343-8357

#### CONTACT INFORMATION

Instructor: W. R. Horne, PhD.  
Email [rhorne@lakeheadu.ca](mailto:rhorne@lakeheadu.ca)  
Phone 705 327-5395  
Office Hours After class or by appointment  
Supplementary Course Website <https://www.lakeheadu.ca/users/H/rhorne/teaching>

#### DELIVERY MODE/ZOOM

**Times:** T/Th 4:00-5:30pm

#### COURSE DESCRIPTION

Current environment and sustainability issues will be examined using a geographical approach that incorporates Indigenous knowledge, worldviews and practices. By comparing traditional ecological knowledge with western scientific approaches, students will gain an enhanced understanding of ecosystems and society's place within it. The course engages students in case studies that exemplify the role of Indigenous Peoples in ecosystem management in Canada, in particular. The role of treaties and aboriginal rights in federal and provincial environment and resource management, the impact of environmental law decisions on Indigenous Peoples, and the adversarial and collaborative roles that Indigenous Peoples play to respond to current environmental changes and challenges will be the focus of key topics.

## REQUIRED MATERIALS

**Required text.** Berkes, Fikret (2018) Sacred Ecology (4th ed) Routledge: New York  
Draper, Dianne & Reed, Maureen (2009) Our Environment A Canadian Perspective 4<sup>th</sup> ed.  
Toronto: Nelson. READ Worldviews and Values pp45-49 On D2L  
Other readings will be available on D2L

## EVALUATION

Component	Value	Due Date	Individual/Group
Assignment 1	20	Feb 4	Individual
Assignment 2	20	Feb 25	Individual
Assignment 3	25	March 25	individual
Final	35	Set by registrar	individual

## ASSIGNMENTS

**Assignments:** are Posted on D2L Submit to [rhorne@lakeheadu.ca](mailto:rhorne@lakeheadu.ca) via university email not D2L mail Double Spaced, Times New Roman 12 pt Word Document Due before class on date specified above File Name: [your name] GEOG1190 Assignment #]  
**Penalty for late papers is 10% of mark. APA style required.**

**Final** A multiple choice exam covering all of the lectures presented, (equally weighted).

## MISSED EXAMS

Make-up examinations will only be given with written documentation from a healthcare practitioner using the official Student Health Certificate, available at

<http://registrar.lakeheadu.ca/uploads/docs/F.HealthCertificate.pdf> (see next page).

Final examinations run April 25th. There will be no rescheduling of examinations to accommodate holiday travel or extracurricular activities. No one will be allowed to write examinations prior to the scheduled date.

## GRADING SCHEME

A+	90 to 100%	Outstanding understanding of the course concepts including integration of materials and ideas, ability to apply knowledge to situations
A	80 to 89%	
B	70 to 79%	Above average to excellent knowledge, ability to apply knowledge to situations
C	60 to 69%	Satisfactory knowledge including ability to recognise and apply major course concepts, and to progress to next level of course
D	50 to 59%	Some grasp of course concepts; will likely encounter difficulty with higher levels
E	40 to 49%	Failed to meet minimum requirements of the course
F	1 to 39%	Failure
F	0	Failure resulting from academic dishonesty

**Students are advised to refer to the University Calendar to ensure that they have adequate grades and/or average to proceed in their program.**

**COURSE SCHEDULE**

Class	Date	Topic	Text Chapter
1 2	Jan 12/14	Terminology Ecology	1
3 4	19/21	Research and Environmental Studies	2
5 6	26/28	Traditional Ecological Knowledge	2 3
7 8	Feb 2/4	Knowledge Systems and Practice	3 4 Assignment 1 due 4th
9 10	9/11	Worldviews and the Environment	5, Draper 6
	16/17	READING WEEK	
11 12	23/24	Ecosystem Knowledge and Social Learning Adaptive Management	6 7
13 14	/Mar 2/4	continued Images of Indigenous Canada	7 Assignment 2 due 4th
15 16	9/11	Climate Change and local observations	8
17 18	16/18	Uncertainty and complex systems	9
19 20	23/25	How Local and Traditional Knowledge Develop	10 Assignment 3 due 25th
21 22	30/31	Conflict and barriers to decision making	11
23 24	Apr 6/8	Towards a new ecological knowledge system	12

**IMPORTANT DATES:**

**NOTE: Any important announcements, including changes in due dates will be announced in-class and sent by email to Lakehead account.**

## **COURSE POLICIES**

- behavioral standards: See the [Student Code of Conduct - Academic Integrity](#))
- attendance: Exam is based on lecture content attendance is expected,
- netiquette (communication will be via emails which will be responded to promptly. Include course number in subject headings
- You will be required to sign the following statement before writing the final exam. It will be sent out in advance.:

I understand and agree that:

(1) Unless otherwise allowed by the course instructor, I must complete the assignments in this course without the assistance of anyone else.

(2) Unless otherwise allowed by the course instructor, I must not access any sources or materials (in print, online, or in any other way) to complete any course exam.

I further understand and agree that, if I violate either of these two rules, or if I provide any false or misleading information about my completion of course assignments or exams, I may be prosecuted under the Lakehead University Student Code of Conduct – Academic Integrity, which requires students to act ethically and with integrity in academic matters and to demonstrate behaviours that support the University’s academic values.

### **Copyright**

Students should be aware that all instructional, reference, and administrative materials prepared for this course are protected in their entirety by copyright. Students are expected to comply with this copyright by only accessing and using the course materials for personal educational use related to the course, and that the materials cannot be shared in any way, without the written authorization of the course instructor. If this copyright is infringed in anyway, students may be prosecuted under the Lakehead University Student Code of Conduct – Academic Integrity, which requires students to act ethically and with integrity in academic matters and to demonstrate behaviours that support the University’s academic values.

### Copyright Compliance:

I understand and agree that all instructional, reference, and administrative materials to which I am given access in this course (the "course materials"), whether they consist of text, still or kinetic images, or sound, whether they are in digital or hard copy formats, and in whatever media they are offered, are protected in their entirety by copyright, and that to comply with this copyright and the law

(1) I may access and download the course materials only for my own personal and non-commercial use for this course; and

(2) I am not permitted to download, copy, or store (in any medium) any text, image, or sound component of the course materials for any other purpose whatsoever, or to forward or share, transmit, broadcast, show, post or play in public, adapt, or change in any way any text, image, or

sound component of the course materials, except as expressly authorized, and only to the extent authorized, in writing, by the course instructor."

I further understand and agree that, if I infringe the copyright of the course materials in any way, I may be prosecuted under the Lakehead University Student Code of Conduct – Academic Integrity, which requires students to act ethically and with integrity in academic matters and to demonstrate behaviours that support the University's academic values.

### **Regulations**

It is the responsibility of each student registered at Lakehead University to be familiar with, and comply with all the terms, requirements, regulations, policies and conditions in the Lakehead University [Academic Calendar](#). This includes, but is not limited to, Academic Program Requirements, Academic Schedule of Dates, University and Faculty/School Policies and Regulations and the Fees and Refund Policies and Schedules (Lakehead University Regulations webpage, 2020-21).

### **Academic Integrity**

A breach of Academic Integrity is a serious offence. The principle of Academic Integrity, particularly of doing one's own work, documenting properly (including use of quotation marks, appropriate paraphrasing and referencing/citation), collaborating appropriately, and avoiding misrepresentation, is a core principle in university study. Students should view the [Student Code of Conduct - Academic Integrity](#) for a full description of academic offences, procedures when Academic Integrity breaches are suspected and sanctions for breaches of Academic Integrity.

**Supports for Students** – there are many resources available to support students. These include but are not limited to:

- [Health and Wellness](#)
- [Student Success Centre](#)
- [Student Accessibility Centre](#)
- [Library](#)
- [Lakehead International](#)
- [Indigenous Initiatives](#)

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities and/or medical conditions to ensure they have an equitable opportunity to participate in all of their academic activities. If you are a student with a disability and think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please contact [Student Accessibility Services](#) (SC0003, 343-8047 or [sas@lakeheadu.ca](mailto:sas@lakeheadu.ca))

## **ACADEMIC DISHONESTY**

The University takes a most serious view of offences against academic honesty such as plagiarism, cheating and impersonation. Penalties for dealing with such offences will be strictly enforced.

A copy of the "Code of Student Behaviour and Disciplinary Procedures" including sections on plagiarism and other forms of misconduct may be obtained from the Office of the Registrar.

The following rules shall govern the treatment of candidates who have been found guilty of attempting to obtain academic credit dishonestly.

- (a) The minimum penalty for a candidate found guilty of plagiarism, or of cheating on any part of a course will be a zero for the work concerned.
- (b) A candidate found guilty of cheating on a formal examination or a test, or of serious or repeated plagiarism, or of unofficially obtaining a copy of an examination paper before the examination is scheduled to be written, will receive zero for the course and may be expelled from the University.

Students disciplined under the Code of Student Behaviour and Disciplinary Procedures may appeal their case through the Judicial Panel.

Note: "Plagiarism" shall be deemed to include:

1. Plagiarism of ideas as where an idea of an author or speaker is incorporated into the body of an assignment as though it were the writer's idea, i.e. no credit is given the person through referencing or footnoting or endnoting.
2. Plagiarism of words occurs when phrases, sentences, tables or illustrations of an author or speaker are incorporated into the body of a writer's own, i.e. no quotations or indentations (depending on the format followed) are present but referencing or footnoting or endnoting is given.
3. Plagiarism of ideas and words as where words and an idea(s) of an author or speaker are incorporated into the body of a written assignment as though they were the writer's own words and ideas, i.e. no quotations or indentations (depending on format followed) are present and no referencing or footnoting or endnoting is given.

Note: Any work submitted for one course cannot be submitted for another unless approval is given by both instructors involved.

**THE SUBMISSION OF ANY WORK COMPLETED BY ANOTHER STUDENT AS YOUR OWN WILL BE TEATED AS ACADEMIC DISHONESTY.**