



DEPARTMENT OF GEOGRAPHY

GEOG / ENST 1190 WAO - Indigenous Knowledge, Science & the Environment

WINTER 2020

CONTACT INFORMATION

Instructor: W. R. Horne, PhD.

Email: rhorne@lakeheadu.ca

Office Location OA3008

Office Hours available after class or arrange a time

Phone Number 705-330-4008 Ext. 2618

Supplementary Course Website <https://www.lakeheadu.ca/users/H/rhorne/teaching>

DELIVERY MODE/LOCATION

Course Location: OA1025

Times: M/W 1:00-2:30

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 (2012) Sacred Ecology (3rd ed) Routledge: New York

additional readings on reserve in library.

Draper, Dianne & Reed, Maureen (2009) Our Environment A Canadian Perspective 4th ed.

Toronto: Nelson. READ Worldviews and Values pp45-49

Additional readings may be added to D2L

EVALUATION

Component	Value	Due Date	Individual/Group
Assignment 1	20	Jan 29th in class	Individual
Assignment 2	25	Mar 18th in class	Individual
Midterm	25	Feb 26 th in class	individual
Final	30	Set by registrar *	individual

***Note comments re missed exams below**

Assignments: A paper copy of the assignment Double Spaced, Times New Roman 12 pt or equivalent is due in class on dates specified. No plastic covers required. No electronic copies. Penalty for late papers is 10% of mark. APA style required.

Mid-term:

Mid-term will be a short answer test covering material to date. Medical and compassionate consideration only.

Final Exam:

Same style as midterm covering material since last test plus some general questions

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 until April 20, 2020 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

Week	Date	Topic	Text Chapter
1	Jan 6/8	Context of Science and Indigenous Knowledge Terminology	1
2	Jan 13/15	Research and Environmental Science/Studies	2
3	Jan 20/22	Traditional Ecological Knowledge	3
4	Jan 27/29	Knowledge Systems and Practice	4 Assignment 1 due Jan 29th
5	Feb 3/5	Worldviews and the Environment	5
6	Feb 10/12	Ecosystem Knowledge and Social Learning	6
7	Feb 17/19	READING WEEK	
8	Feb 24/26	Images of Indigenous Canada Midterm Feb 26th	Midterm Feb 26th
9	Mar 2/4	Precautionary, Adaptive Management	7 Mar 6 th Withdrawal Deadline
10	Mar 9/11	Climate change and local observations	8
11	Mar 16/18	Uncertainty and complex environmental systems	9 Mar 18th Assignment 2 due
12	Mar 23/25	Conflict and barriers to environmental decision making	11
13	Mar 30 /Apr 1	Towards a new ecological knowledge synthesis	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 GENERAL REGULATIONS

Student Accessibility Services (SAS) (Thunder Bay) and Student Affairs (Orillia) coordinate services and facilitates reasonable academic accommodations for students with disabilities. Academic accommodations are provided on the basis of documentation of a disability. Additional information is available at campus websites:

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.
4. **Submission of another person's work as your own is considered plagiarism. Submitting an assignment for two different courses without permission of instructor(s) is plagiarism.**

A listing of University Regulations can be found at:

<http://calendar.lakeheadu.ca/current/contents/regulations/univregsintro.html>