

- COURSE TITLE:** INTRODUCTION TO ENVIRONMENTAL SUSTAINABILITY/THE ENVIRONMENT
- COURSE CODE:** ENSU 1033/GEOG 1150
- CREDITS:** 0.5
- WEEKLY HOURS:** 3.0 (2 lectures per week: tues & thurs 16h00-17h30)
- ROOM:** OA 1033
- REQUIRED TEXT:** n/a all course material will be provided on D2L
- SUGGESTED TEXT:** Dearden, P., and Mitchell, B. 2016. Environmental Change & Challenge 5th edition, Oxford University Press, Don Mills, ON, 606 pp.
ISBN-10: 0199015147
- Turvey, R.A., Kurissery, S., and Pendea. 2016. Environmental Sustainability, John Wiley & Sons, Toronto, ON, 254 pp.
ISBN 9781119361800
- PROFESSOR:** DR. GERARDO REYES
- OFFICE:** x3008 (desk 7)
- TELEPHONE:** (705) 330-4008
- E-MAIL:** greyes@lakeheadu.ca
- OFFICE HOURS:** by appointment (e-mail's best)
-

1. COURSE DESCRIPTION:

An introduction to Environmental Sustainability. Students will apply interdisciplinary strategies to address, in a collaborative setting, complex problems with respect to environmental issues, such as pollution, waste management, and energy efficiency. Special consideration will be given to Aboriginal cultural and ethical perspectives with respect to the land.



2. COURSE GOALS:

Inquiry-based learning is an essential component of present day education, while an interdisciplinary approach is now regarded as a fundamental tenet when managing environmental issues. Every effort is made to incorporate these two pedagogical practices into our ENSU 1033 learning environment; ultimately, to help develop your understanding of the nature, functioning, and inter-connectedness of natural and anthropogenic ecosystems.

Emphasizing the development of one of life's most important skills, "learning how to learn", the course utilises an integrated, science-based approach to studying environmental problems and their potential solutions. The course begins with a general overview of environmental issues and concerns, gradually incorporating basic scientific principles and concepts that facilitate understanding of these issues, and culminates with the evaluation of specific case studies. Aboriginal cultural and ethical perspectives with respect to the land will be covered wherever applicable.

Upon completion of ENSU 1033/GEOG 1150 you should: have gained understanding of key environmental issues that are currently making news, as well as gained knowledge of the strengths, weaknesses, and shortcomings of current policies used to manage our various natural resources here in Canada.

3. MODES OF INSTRUCTION:

Assigned readings, lectures, and group discussions are employed.

The material presented in all modes of instruction is introductory in nature but will be sufficient to allow continuation to higher level courses required for completion of your respective BA or BSc degree programs. Students are expected to be prepared in advance prior to each lecture by completing assigned readings. Class time will build upon this base, focusing on important and/or more difficult concepts through *lecture and discussion*. Lectures will generally start with an introduction to the material by me, followed by a discussion and question period. Students should also take advantage of the lecture material accessed through the *desire2learn* site.

4. COURSE OUTLINE:

Again, all lectures will be interactive (lecture, discussion, question & answer), thus requiring students to read the assigned material prior to class. The course is designed to encourage active participation; thus, its success (& fun!) will depend on coming to class prepared and engaging one another in friendly discussion & debate; n.b., group discussion periods** (beginning on week 3) will provide you an opportunity to apply knowledge gained through previous lectures and reading materials.

**Topics that could be addressed during discussion periods include:

Natural resources, GMOs & transgenics, Invasive species, Assisted migration, Environmental refugees, Environmental racism, Gender issues, Aquaculture, Water security, etc.



The tentative schedule is as follows:

Week 1	sept 6 8	welcome back! introduction to environmental sustainability history of the environmental movement Readings (R):
Week 2	sept 13 15	population growth / human footprint the media - framing environmental issues R:
Week 3	sept 20 22	critiquing research discussion period I*** <i>discuss term paper, assign dates & groups for discussion periods</i> R: A1
Week 4	sept 27 29	QUIZ A air & water pollution R:
Week 5	oct 4 6	climate change I discussion period II R: A2, A3
Week 6	oct 11 13	READING WEEK READING WEEK R: 2
Week 7	oct 18 20	***MIDTERM – in class*** climate change II – the Great Lakes system
Week 8	oct 25 oct 27	Biodiversity I Biodiversity II - fisheries R:
Week 9	nov 1 3	discussion period III discussion period IV R: A4, A5, A6, A7



Week 10	nov 8 10	agroecosystems environmental justice	R:
Week 11	nov 15 17 20	discussion period V QUIZ B <i>***term paper due (midnight)</i>	R: A8, A9
Week 12	nov 22 24	discussion period VI urban ecosystems	R: A10, A11
Week 13	nov 29 dec 1	problems & challenges - final thoughts tba	R:
Exam period		Final Exam	

5. EVALUATION OF ACHIEVEMENT:

Exams, discussion periods, and an essay assignment will reinforce student understanding of the topics covered in ENSU 1033. The mid-term exam will consist of multiple choice questions, definitions, and/or short answer questions. The written assignment will focus on specific Canadian environmental issues and will require you to examine the causes, concerns, and discuss possible solutions. The final exam will comprise of multiple choice questions, definitions, and a set of short answer questions on various topics. For the final, while focus will be on material presented after spring break, students should be prepared to draw from lectures & assigned readings from the entire semester.

QUIZZES:		10 %
EXAMINATIONS:	midterm:	20 %
	final:	30 %
TERM PAPER:		20 %
DISCUSSION/SEMINARS:		
	- WHEN LEADING DISCUSSION:	10 %
	- WHEN <u>ACTIVELY</u> PARTICIPATING:	10 %



Leading discussion: you will be randomly assigned to a group that will be responsible for *leading* the discussion in one of weeks 5 to 12; for the remaining other weeks, you need to prepare for and *actively* participate in the discussion. Leading discussion involves: *reading an assigned article, providing a short summary of the article for the class, & stimulate discussion & dialogue by asking questions & offering insight & opinions on the subject matter.*

Participation: you will need to (a) read & prepare notes on the assigned article, (b) arrive to class with **one (or more) questions (*with answers*) or critical comments** related to the reading(s) – this should be printed or written out so you have a copy in class. Additionally, one copy with your name & student ID# should be handed in to me via e-mailed *prior to the start of discussion* (nb., .doc is the only format accepted), and (c) *actively* participate.

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%	Apply knowledge to situations
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

6. STUDENT RESPONSIBILITIES:

Students are expected to participate in all course activities and complete all assignments on time. Late assignments carry a 25% reduction in value per day, no exceptions. This may seem rather severe, but it's just not fair to those who hand assignments in on time.

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 the following campus websites:

Thunder Bay: <http://learningassistance.lakeheadu.ca/>.



Orillia:

<http://orillia.lakeheadu.ca/about-us--orillia-student-affairs/>

Academic dishonesty (plagiarism):

The most common offense under the Academic Code of Conduct is plagiarism.

This could be material copied word for word from books, journals, internet sites, professor's course notes, etc. It could be material that is paraphrased but closely resembles the original source. It could be the work of a fellow student, for example, an answer on a quiz, data for a lab report, a paper or assignment completed by another student. It might be a paper purchased through one of the many available sources. Plagiarism does not refer to words alone - it can also refer to copying images, graphs, tables, and ideas. "Presentation" is not limited to written work. It also includes oral presentations, computer assignments and artistic works. Finally, if you translate the work of another person into French or English and do not cite the source, this is also plagiarism.

I.E., DO NOT COPY, PARAPHRASE OR TRANSLATE ANYTHING FROM ANYWHERE WITHOUT CITING WHERE YOU OBTAINED IT!

University guidelines on the matter:

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.

A listing of University Regulations can be found at:

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

The code of student behaviour and disciplinary procedures can be found at:

<http://policies.lakeheadu.ca/policy.php?pid=60>