Lakehead
UNIVERSITY

DEPARTMENT OF GEOGRAPHY

GEOGRAPHY 1150 FAO THE ENVIRONMENT   FALL 2024

CONTACT INFORMATION
Instructor: W. R. Horne, PhD
Email   rhorne@lakeheadu.ca Use university mail.
Office Location OA3008
Office Hours   Available after class or M/W 1:00 by appointment
Course Website https://www.lakeheadu.ca/users/H/rhorne/teaching or D2L

DELIVERY LOCATION & TIME
Times: M/W 11:30 OA1022
NOTE: Final Classes Dec. 2 and 3 to replace two holiday Mondays.

COURSE DESCRIPTION
An introduction to current environmental issues using an approach which stresses the interrelationships between environments and societies. The major environmental and societal components of the earth/atmosphere system will be examined to provide a base for the consideration of the nature and development of modern environmental problems. Potential solutions to the problems will be evaluated through consideration of such elements as technology, politics, economics, and planning.
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COURSE OBJECTIVES
Students should become aware of the complex nature of the environment and the importance of human interactions at both global and local scales. An introduction to the various other courses offered by the department.

REQUIRED MATERIALS
Required Text: Philip Dearden & Bruce Mitchell (2016) Environmental Change & Challenge: 6th edition.   Don Mills: Oxford. The purpose of the textbook is to present an alternative presentation of the class material. Questions for review at the end of each chapter.

Additional reading material may be posted on D2L

ADDITIONAL MATERIALS
Lecture slides will be available on D2L. However, students should not assume that this is an alternative to attending class. Test questions may include material from class not included in slides.

EVALUATION

Component	Value	Due Date	
Assignment 1	20%	Sept 25th	
MIDTERM	20%	Oct 9th	
Assignment 2	20%	Nov 6th	
Final Exam	35%	Set by Registrar Dec 9-18	Set by registrar
Participation Mark	5%	See info below.	

COURSE POLICIES

Attendance is expected. This year a participation mark has been included available only to those students who are in attendance or provide a reason for absence in advance of the date the in-class question is handed out and collected. There will be five such questions given during the length of the course without previous notification.

Requests for late submission must be made BEFORE the due date

Penalty for, late submissions 10% unless medical or compassionate grounds arranged before due date.

EXAM must be written on date scheduled by Registrar.

Assignments:

Assignments are due in class on the date specified. Instructions will be posted on D2L well in advance of due dates. Assignments must be as WOPRD documents. No PDF will be accepted.

D2L INCLUDES A FILE TITLED "HOW TO WRITE AN 'A' ESSAY"

Final Exam:

Multiple choice covering material evenly distributed primarily from last half of course.

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 from ,Dec 8 -18 inclusive. **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.**
DO NOT PLAN YOUR VACATION BEFORE EXAM DATES ARE POSTED

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	

COURSE SCHEDULE

Week	Date	Topic	READING
1	Sept 4	Introduction /	Lecture slides include page numbers of images used
2	9/11	Geologic Time/Human Population Demographic change	And should guide your reading of the textbook.
3	16/18	Earth's carrying capacity The Conservation Movement	
4	23/25	Taking Action The Role of Government	ASSIGNMENT 1 due 25th
5	Sept 30 Oct 2	NO CLASS -Holiday The Scientific Method	
6	Oct 7 Oct 9	Using Science MIDTERM	Midterm 9th
	Oct 14/16	Reading Week	
7	Oct 21/23	UN Sustainable Development Goals Energy	
8	Oct 28 /30	Matter Nutrient Cycles	
9	Nov 4/6	The Makeup of Water Biomes	**ASSIGNMENT 2 DUE 6th** Nov 8 withdrawal deadline
10	11/13	Kingdoms of Life Changes in Primary Productivity	
11	18/20	Ecosystem change Ecosystem dynamics	
12	25/27	Management Visions The need for communication	
13	Dec 2/3	Dispute resolution Making the Right Decisions	In place of Sept 1 holiday In place of Sept 30 holiday

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

GENERAL REGULATIONS
Course Policies
- Communications with me should be via email and a response should be given within 12 hours. Use your university email address and send via university email to rhorne@lakeheadu.ca.
- Students are expected to follow the behavioral standards referenced in the [Student Code of Conduct - Academic Integrity](#)

Academic Integrity Statement:
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 test or 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
- (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." All materials should be destroyed after the exam is written.

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).

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)

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.

Generative AI Policy/Syllabus Statements

The following Generative AI Policy/Syllabus Statements are being made available for instructors for use in their course outlines. Instructors are encouraged to adapt and modify the statements as they see fit.

GenAI Use Prohibited

Generative artificial intelligence (Generative AI or GenAI) is a category of AI systems capable of generating text, images, or other media in response to prompts. These systems include ChatGPT and its variants Bing (built by OpenAI) and Bard (built by Google) among several others. Other Generative AI models include artificial intelligence art systems such as Stable Diffusion, Midjourney, and DALL-E.

Any use of GenAI systems to produce assignments for this course is not permitted. All work submitted for evaluation in this course must be the student's original work. The submission of any work containing AI generated content will be considered a violation of academic integrity ("Use of Unauthorized Materials").

GenAI Use Permitted

GenAI tools can provide valuable assistance and support in academic work. However, it is essential to use them responsibly and ethically. The following information and guidelines apply to the use of AI-based tools in this course:

a.

   a. **Student Responsibility** – It is the responsibility of the student to understand the limitations of AI-based tools. While these tools can provide suggestions and insights, final decisions and critical thinking should come from the student's own understanding and effort. Before submitting, review your work with this in mind. If you don't understand what type of GenAI usage is appropriate, ask the course instructor for clarification.

   b. **Formative Usage** – In this class, you may use GenAI for formative, but not summative, work. That means it can be used as a "possibility engine" (brainstorm tool), a "study buddy," a "collaboration coach," a "guide on the side," a "personal tutor," a "co-designer," etc. to help you learn course content, but it cannot be used as the primary vehicle for any work that is submitted for marks or evaluation. (See UNESCO's "[ChatGPT and Artificial Intelligence in Higher Education Quick](#)

Start Guide," page 9, for explanations and examples of these and other roles GenAI can productively serve in a formative capacity.)

c. **Error & Bias** – AI content is created by computer algorithms that have been trained using large amounts of data. The AI learns from patterns and examples in the data to generate new content that resembles what it has been trained on. If the training data used to train the AI model is biased or limited in scope, the AI may reproduce content that is inaccurate, incomplete, offensive, and/or biased. Students should weigh this as they consider material produced by AI.

d. **Trustworthiness** – Generative AI can be vulnerable to manipulation and misuse. It can be used to generate fake news, misinformation, or deepfake content, which can have harmful consequences. Students should check AI generated content against reputable sources.

e. **Plagiarism** – Since [writing and critical thinking ability] are learning outcomes of this course, all work submitted for evaluation must be the student's original work. Using the work of others (including content curated/generated by AI) without proper citation is considered plagiarism. See "Citing Artificial Intelligence" for assistance with correct documentation.

f. **Citation of Sources** – If you use material generated by an AI program for an assignment in this course, it must be cited like any other source (with due consideration for the quality of the source, which may be judged as poor). Failure to do so will be considered a violation of academic integrity. See Student Code of Conduct – Academic Integrity.