

JEE337H1S – Human Interactions with the Environment Winter 2017

Last Updated: January 5, 2017

Lecture: Mondays 10am – noon
Location: SS1087
Tutorials: Wednesdays: 10-11am or 11am – noon; MP118. Four tutorials are scheduled through the term: Jan 23, Feb 6, Mar 6, Mar 27.

Instructor: Karen Ing, ES2098, 416-978-4863; karen.ing@utoronto.ca
Office Hours: by appointment, and usually available after lectures

Teaching Assistant: Stephanie Pugliese; stephanie.pugliese@mail.utoronto.ca

Required Text:

There is no required hardcopy textbook for JEE337H. Instead resources will be drawn from a variety of open sources, and links to any relevant readings will be posted prior to each associated lecture.

However a backbone to the course materials are the units drawn from The Habitable Planet website developed by the Annenberg Learner in 2007

(<http://www.learner.org/courses/envsci/index.html>). These readings will appear in the lecture & reading schedule simply identified by their Unit # and title.

Course Evaluation

Midterm, 60 min in-class	Feb 27 th	20%
Final Exam	Apr exam period	35%
Tutorial Assignments: 4 x 7.5 marks ea.		30%
Short Review Paper & Presentation		15%

Introduction and Learning Objectives:

The impact of 7 billion people on the planet is enormous and challenges future generations. The interconnected systems of the planet means that as humans interact with their surrounding environments, they too will be influenced and impacted in turn. What are these impacts today and in future? What solutions and tools are available? What can we learn from environmental and cultural history? Using an integrated and interdisciplinary systems approach, we explore problems and solutions to the earth's limits to growth.

The course introduces students to Earth Systems interactions, and their limits to growth of human systems using an analytical perspective and, most importantly, how to critically analyze, quantify and solve problems arising from meeting these limits to growth.

Our learning objectives are to:

1. Familiarize you with Earth Systems, environmental processes, and ecological issues arising from human activities.
2. Understand the interconnectedness of these systems to each other and to human well being
3. Learn to integrate disparate issues with roots in natural sciences and social sciences, and to develop solutions to these issues.
4. Improve your critical thinking, analytical abilities and problem solving skills.
5. Improve your ability to conduct research, assemble information, and communicate the results of your research

Lecture Topics and Tutorial Schedule

Date	Lecture Topic and Readings	Tutorials
Jan 9	Introduction	
Jan 16	Human Population & sustainability	
Jan 23	Earth Systems and Ecosystem Science	#1 population
Jan 30	Human impacts on earth resources	
Feb 6	Forests	#2 resource use
Feb 13	Agriculture I	
Feb 20	Family Day – University Closed (Reading Week)	
Feb 27	Midterm Agriculture II	
Mar 6	Water – freshwater systems: quality & quantity	#3 agriculture
Mar 13	Water – oceans, fisheries	
Mar 20	Atmospheric Science Human health (pollutants & toxics) Air quality	
Mar 27	Climate Change & Energy Challenges	#4 air quality
Apr 3	Urban Environments	

Important Dates

Jan 5 – start of term

Jan 18 - last day to add or make section changes to S section code courses

Feb 20 – Family Day

Feb 21-24 – Reading Week

Mar 13 - last day to cancel S section code courses without academic penalty; last day to add or remove a [CR/NCR option](#) for S section code courses

Apr 5 – classes end

Apr 10-28 – exam period

COURSE POLICIES

Submission of tutorials assignments:

All tutorial assignments are due **in tutorial** and cannot be submitted without accompanying tutorial attendance.

A UofT Student Medical Certificate must be submitted for a missed tutorial before any special consideration will be considered.

For students who miss the regularly scheduled midterm on February 27th, 2017, the instructor must be notified within 48 hours and a completed University of Toronto Medical Certificate must be presented within a week before any special consideration (such as a deferred midterm) will be considered.

Any disputes or questions on graded material must be brought to the attention of the TA or instructor within 2 weeks of return or posting, otherwise will be considered final.

Submission of essay assignments:

You must submit your short review paper in class on the date of your assigned presentation. We will also be using Turnitin.com for submission of the review paper in this course. Normally, students will be required to submit their course essays to **Turnitin.com** for review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the Turnitin.com reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site.

If a student does not wish to participate in Turnitin, the student **MUST** advise the instructor immediately as alternate arrangements for screening the assignment must be arranged.

To avoid late penalties the essay assignment must be submitted **BOTH** in class and to the Turnitin.com site before **midnight** of your presentation date.

You will need to visit the Turnitin.com website and follow student instructions to submit your assignment for vetting. You will be supplied with the code and password to identify the appropriate course to which the assignment should be submitted.

In formatting your assignment it should:

- Include the following information on the front page: the assignment title (feel free to be creative, but representative), the course title and number, the instructor's name, your name and student number
- Be double spaced, using 12 point font, in black ink with 1" (2.5cm) margins;
- include page numbers

Late penalties on the short paper

The late penalty on the short paper will be 2.5% of the assignment grade per day late, including weekends and will only be waived with the accompaniment of a completed official University of Toronto **Verification of Student Illness or Injury Form** which can be found at:

<http://www.illnessverification.utoronto.ca/>.

Please note that the certificate must cover the period of time you missed, e.g. the week before the assignment/essay is due, etc. and must supply sufficient detail and appropriate support to warrant any special consideration.

Note: there will be no alternative/readjustment/ makeup opportunity to the presentation date unless free timeslots are available.

Accessibility Needs

The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact Accessibility Services as soon as possible: disability.services@utoronto.ca or <http://studentlife.utoronto.ca/accessibility> .

Academic Integrity

The following is taken from the Faculty of Arts and Science Academic Integrity website (<http://www.artsci.utoronto.ca/osai/students>):

Academic integrity is fundamental to learning and scholarship at the University of Toronto. Participating honestly, respectfully, responsibly, and fairly in this academic community ensures that the U of T degree that you earn will be valued as a true indication of your individual academic achievement, and will continue to receive the respect and recognition it deserves.

Familiarize yourself with the University of Toronto's *Code of Behaviour on Academic Matters* (<http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>). It is the rule book for academic behaviour at the U of T, and you are expected to know the rules. Potential offences include, but are not limited to:

In papers and assignments:

- Using someone else's ideas or words without appropriate acknowledgement.
- Copying material word-for-word from a source (including lecture and study group notes) and not placing the words within quotation marks.
- Submitting your own work in more than one course without the permission of the instructor.
- Making up sources or facts.
- Including references to sources that you did not use.
- Obtaining or providing unauthorized assistance on any assignment including
 - working in groups on assignments that are supposed to be individual work,

- having someone rewrite or add material to your work while “editing”.
- Lending your work to a classmate who submits it as his/her own without your permission.

On tests and exams:

- Using or possessing any unauthorized aid, including a cell phone.
- Looking at someone else’s answers
- Letting someone else look at your answers.
- Misrepresenting your identity.
- Submitting an altered test for re-grading.

Misrepresentation:

- Falsifying or altering any documentation required by the University, including doctor’s notes.
- Falsifying institutional documents or grades.

The University of Toronto treats cases of academic misconduct very seriously. All suspected cases of academic dishonesty will be investigated following the procedures outlined in the *Code*. The consequences for academic misconduct can be severe, including a failure in the course and a notation on your transcript. If you have any questions about what is or is not permitted in this course, please do not hesitate to contact me. If you have questions about appropriate research and citation methods, seek out additional information from me, or from other available campus resources like the [U of T Writing Website](#). If you are experiencing personal challenges that are having an impact on your academic work, please speak to me or seek the advice of your college registrar.

See also the handout “How Not to Plagiarize,” Margaret Proctor, 2009, available online at <http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize>