

University of Toronto at Scarborough
“INTRODUCTION TO ENVIRONMENTAL SCIENCE”
(EES A01H3F, Fall 2014)

Course Director: Dr. James I. MacLellan **Phone:** 416 208 2661 **Office:** SW-638
Email: jim.maclellan@utoronto.ca

Office Hours: Mondays 2 to 3 pm, Wednesdays 10:00 am to 11:00 pm and by appointment.

Teaching Assistants: Your teaching assistants are responsible for your tutorials and assignments. They are:

Rachel Strickman	rachel.strickman@mail.utoronto.ca
Edward Nagato	edward.nagato@mail.utoronto.ca
Kristine Haynes	k.haynes@utoronto.ca
Steven Huryn	steven.huryn@mail.utoronto.ca
Christine Palermo	christine.palermo@mail.utoronto.ca
Yuko Shimoda	yshimoda@utsc.utoronto.ca
Jimenea Catherine	TBA
Jessica Wong	jessierachel.wong@mail.utoronto.ca
Tingting Zhu	TBA

Course Web Site: Everything on Blackboard (<https://portal.utoronto.ca>)

Lecture Time: Mondays, 10am-noon; AC-223

Tutorials: **Tutorials start the week of September 22, which is the THIRD week of school. Please go only to the tutorial slot assigned to you when you registered for the course because most tutorials start the semester at full capacity (40 students each). Unfortunately, if you have a conflict no one can remove someone from a tutorial to fit you into another. Your best bet to get into a tutorial that works best for your schedule is to check ROSI daily for room in case a student drops the course, thus providing an open spot. Be aware that open slots are quickly snatched up.**

Note that tutorial rooms sometimes change in the first few weeks of class. I will do my best to keep you advised in lecture and through Blackboard.

Grading:	Assignments (4 @ 7.5% each):	30%
	Mid-term Examination:	25%
	Final Examination:	45%

Texts: "Environment: The Science Behind the Stories, 2013 - 2nd Canadian Edition"
[Authors: Jay Withgott, Scott Brennan, and Barbara Murck; Publisher: Pearson Canada]

"A Guide to Introductory Practical Skills in Environmental Science," 2013 [Authors: Carl Mitchell, Jerry Jien, Yuko Shimoda, and Sarah Forbes; Publisher: Pearson Canada]

BOTH BOOKS ARE HIGHLY RECOMMENDED/REQUIRED FOR THE COURSE AND ARE AVAILABLE THROUGH THE BOOKSTORE AS A DISCOUNTED PACKAGE.

INTENT OF THE COURSE

This course will introduce students to the science behind processes occurring on the earth and within its atmosphere. The course will look at relationships between human activity and environmental impacts in terms of the physical, chemical and biological processes operating at or near the earth's surface. **The course is science-based and intended to introduce students to environmental issues from a scientific (physical, chemical, biological, and mathematical) perspective.** The course's primary intent is to provide a broad background for students pursuing an education in Environmental Science and Environmental Studies.

ACCESSIBILITY STATEMENT

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please contact the AccessAbility Services Office as soon as possible. I will work with you and AccessAbility Services to ensure you can achieve your learning goals in this course. Enquiries are confidential. The UTSC AccessAbility Services staff (located in S302) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. (416) 287-7560 or ability@utsc.utoronto.ca.

LECTURE OUTLINE / SCHEDULE / TEXT READING

DATE	LECTURE CONTENT
Sept. 8	Introduction to Environmental "Science" (Text: all of ch. 1)
Sept. 15	Humans, Population, and the Environment (Text: all of ch. 6)
Sept. 22	Earth Systems and Ecology (Text: all of ch. 3)
Sept. 29	Global Energy Flows and the Global Water Cycle (Text: ch. 3, pp. 74-75; ch. 14, p. 408-414; ch. 15, p. 447-448)
Oct. 6	Biodiversity and Conservation (Text: all of ch. 8, ch. 9 up to p. 290)
Oct. 13	THANKSGIVING AND FALL READING WEEK – NO CLASSES OR TUTORIALS
Oct. 20	Water Resource Issues (Text: all of ch. 12)
Oct. 27	Soils and Agriculture (Text: all of ch. 7)
Nov. 3	Atmospheric Science and Global Climate Change (Text: all of ch. 15)
Nov. 10	Energy Extraction and Impacts (Text: all of ch.16)
Nov. 17	Resource Utilization and Alternatives (Text: all of ch. 17)
Nov. 24	Economic Gain, Environmental Loss (no assigned readings)
Dec. 1	Last Class: Catch-up and Review (no assigned readings)

I will follow this schedule as closely as possible, but things being what they are, some of these topics may "overflow" over into other time slots and slight alterations to the schedule may occur.

TUTORIAL AND ASSIGNMENT OUTLINE / SCHEDULE

Attendance at the tutorials listed in the schedule below is mandatory for everyone and attendance WILL be taken. In general, during one week of your tutorial, TAs will teach you some new environmental science skill (these are broadly listed below in the schedule) and will go through a multitude of examples related to these new skills. At this tutorial, you will be given a **take-home assignment that you must complete within 8 days**. During tutorial the week following, you will have an opportunity to meet with your TA during normal tutorial hours and in your normal tutorial room the day before the assignment is due, in case there are any lagging misunderstandings. Assignments are then **due** in the drop box in the Science Wing (exact placement of drop boxes will be discussed in tutorial as this is not yet known) the following day **by 4pm**. Unfortunately, it is next to impossible to keep track of all 450+ students in the class and as such, **late assignments will not be accepted and will be given a mark of zero**. The only time a late assignment will be accepted is if a student suffers a medical issue that is substantiated by a doctor's note, given to your TA. Take a pro-active approach and **consider handing in your assignment EARLY**. To ensure fairness to all students, this **rule will be followed very strictly**. Keep in mind that assignments are worth 7.5% each, for a total of 30% of your final grade. We will strive for as short a turnaround in marking assignments as is possible so that you regularly know where you stand. Typical turnaround times for marking assignments will be ~2 weeks.

Unfortunately, no one can move students between tutorial slots and most tutorial slots will begin the semester entirely at their maximum allowable limit (generally 40 students per tutorial). Sign up for specific tutorial slots is on a first-come-first-served basis, starting when you first chose your classes for the semester. If you have a hard conflict with another class or tutorial, your only option is to log in to ROSI daily to check for openings in other slots as they come up. Note again that there are no tutorials or assignments during the first two weeks of classes! **To summarize, here are a few key points to keep in mind regarding tutorials:**

1. There are NO tutorials the first two weeks of classes (tutorials start the week of September 22).
2. Attendance is mandatory, attendance WILL be taken, and it will make up part of the mark on your assignments.
3. You alone are responsible for the timing of your tutorial slot. If you need to change, you need to monitor ROSI regularly to see if a slot opens for you.
4. Assignments are always due at 4pm, 8 days following the "Intro" tutorial for a particular assignment (the first meeting on a particular tutorial subject). So, if you have tutorial on a Monday, your assignment is due 8 days later on a Tuesday; if you have a Tuesday tutorial, it's due 8 days later on a Wednesday; and so on... Luckily, there are no tutorials on Fridays, so no due dates on Saturday. Yes, this makes for multiple due dates (which we can easily track), but everyone has the exact same number of days to complete the assignment. **Absolutely no late assignments will be accepted**. A white sheet with the words 4pm will be dropped in each assignment drop box at the exact due date and time. If your assignment is on top of this sheet, it will not be marked. If your assignment will be late due to a documented medical reason, you should contact your TA as early as possible. **Any assignment, for any reason, handed in more than 5 business days late, will not be accepted for marking. Note that this rule applies as well to students who decide to add the course later in the semester.** ALL students, regardless of when you are officially entered into the class, are responsible for all aspects of the course. **I realize this is a strict policy**, but this is the only **fair** means of evaluating all students in the course.
5. Make sure you hand your assignment in to the right place. The drop box has numerous slots in it. Your particular tutorial time and TA's name will be above your slot. This is exactly where you hand in your assignment.
6. **Plagiarism (cheating) will not be tolerated**. Do not let your friends "borrow" your assignment. Do not let your friends see your final answers. Working together through problems is ok, but there is a fine line and **you are to be evaluated on your INDIVIDUAL work**. Every year at least one or two dozen students push this too far and end up with AT LEAST a zero on a particular assignment (which puts you down almost a full letter grade). **You will not be given a "first warning"**. Depending on your past academic history, penalties CAN be even harsher. You should also refer to the Student Code of Conduct near the end of this syllabus.

Tutorial and Assignment Schedule for Fall 2013:

Tutorial/ Assignment #	Content	Intro Tutorial Week of:	Follow-up Tutorial and <i>Due</i> Date week starting:
1	Library/Research Skills	Sept. 22	Sept. 29
2	Mapping Skills	Oct. 6	Oct. 20
3	Quantitative Literacy and Problem Solving Skills	Oct. 27	Nov. 3
4	Skills for Presenting and Interpreting Scientific Data	Nov. 10	Nov. 17

TURNITIN.COM

For assignment #1 (but only for assignment #1), students will submit their assignment through Turnitin.com via Blackboard. Instructions on how to submit assignments will be given in tutorial.

Normally, students will be required to submit their course essays to Turnitin.com for a 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 website.

IMPORTANT MID-TERM POLICIES

The 2-hour mid-term examination will be held during the mid-term period, exact time, date and room(s) to be announced in class when this information becomes available. The mid-term exam will be multiple choice and will be worth 25% of your final grade. **Make-ups will not be given for the mid-term examination.** If you miss the examination for a verifiable reason (i.e. you have a Doctor's note), the weight of the mid-term will be added to the weight of your final exam. This puts a very heavy weight on your success in the final exam and I DO NOT recommend this as an option. **If you simply "miss" the mid-term, you will receive a mark of zero.** Note that Dr. MacLellan will assess the validity of your reason for having missed the mid-term.

INTERACTION WITH COURSE DIRECTOR AND TEACHING ASSISTANTS

Although I have listed a number of very strict rules, they are necessary to make sure that the course runs smoothly and fairly for all students enrolled. I would be happy to discuss any aspect of the course with you, immediately after class, during my office hours, or by appointment. TAs also hold office hours once a day, every day except Monday, to discuss questions pertaining to your laboratory assignments (schedule to be posted). Please note that **TAs are not required to be intimately familiar with lecture material** (e.g. the material for your midterm test and final exam). If you attend all lectures and all tutorials in an attentive manner, your chances of doing well in the course are maximized.

Each and every student is expected to attend EVERY lecture, and is responsible for the material presented during the lectures. If you must, please rely on your fellow students for missing notes. Lecture slides will be posted on Blackboard, but they do not entirely reflect what has been discussed in class. In addition to the lecture content, exams will also be based upon the assigned readings.

Email policy: For questions pertaining to the assignments, students should ask your TA, or preferably you should post the question on the Blackboard "Discussion Board". All students should check the Discussion Board module of Blackboard, at least weekly and please check to see if your question is already answered before you post it. Think of Discussion Board as an ever-evolving Frequently Asked Questions wiki page. All emails should be sent via a ".utoronto.ca" or ".utoronto.ca" email address to ensure a response (most Hotmail, Gmail, etc end up in junkmail). **Please note that due to the extremely large number of students in this class (~500), I will only check emails once a week (Note: you must include "EESA01" in the subject line for me to identify it). As such, there is no such thing as an "emergency" email; if it is a true emergency, come to my office. Thus, this is generally not a good form of communication; I will have at least one TA check the Blackboard Discussion Board daily during weekdays throughout the term, meaning Blackboard is your best bet for a quick response time.**

BLACKBOARD INFORMATION

Logging in to your Blackboard Course Website

Like many other courses, EESA01 uses Blackboard for its course website. To access the EESA01 website, or any other Blackboard-based course website, go to the UofT portal login page at <http://portal.utoronto.ca> and log in using your UTORid and password. Once you have logged in to the portal using your UTORid and password, look for the My Courses module, where you'll find the link to the EESA01 course website along with the link to all your other Blackboard-based courses.

Activating your UTORid and Password

If you need information on how to activate your UTORid and set your password for the first time, please go to <http://www.utorid.utoronto.ca>. Under the "First Time Users" area, click on "activate your UTORid" (if you are new to the university) or "create your UTORid" (if you are a returning student), then follow the instructions. New students who use the link to "activate your UTORid" will find reference to a "Secret Activation Key". This was originally issued to you when you picked up your Tcard at the library. If you have lost your Secret Activation Key you can call 416-978-HELP or visit the Help Desk at the Information Commons on the ground floor of Robarts Library to be issued a new one. The course instructor will not be able to help you with this. 416-978-HELP and the Help Desk at the Information Commons can also answer any other questions you may have about your UTORid and password.

Email Communication with the Course Instructor

At times, the course Instructor may decide to send out important course information by email. To that end, all UofT students are required to have a valid UofT email address. You are responsible for ensuring that your UofT email address is set up AND properly entered in the ROSI system. You can do that by using the following instructions:

To submit the information to activate your UTORid and password (see above), you will need to click the "Validate" button. Follow the instructions on the subsequent screens to receive your utoronto.ca address. Once you have your UofT email address, go to the ROSI system (www.rosi.utoronto.ca), log in and update the system with your new UofT email address.

You can check your UofT email account from

1. The UofT home page <http://www.utoronto.ca>: From the Quick Links menu on the top right, choose "my.utoronto.ca". Enter your UTORid and password, and when the Welcome page opens, click "WEBMAIL".
2. Email software installed on your computer, for example Microsoft Outlook or Mozilla Thunderbird. Visit the Help Desk at the Information Commons or call 416-978-HELP for help with the set up.

Forwarding your utoronto.ca email to a Hotmail, Gmail, Yahoo or other type of email account is not advisable. In some cases, messages from utoronto.ca addresses sent to Hotmail, Gmail or Yahoo accounts are filtered as junk mail, which means that emails from your course instructor may end up in your spam or junk mail folder.

You are responsible for:

1. Ensuring you have a valid UofT email address that is properly entered in the ROSI system
2. Checking your UofT email account on a regular basis.

STUDENT CODE OF CONDUCT

Please arrive promptly for lecture and do not forget to turn off cell phones. I am fine with you annotating notes directly on your laptops, but discourage all other uses of your computers during lecture. You are fully expected to abide by the Code of Student Conduct as set out by The Governing Council at the University of Toronto (<http://www.utoronto.ca/govcncl/pap/policies/studentc.html>). This document defines the standards by which students are to conduct themselves within class and within the University community at large. Please be advised that misconduct will not be tolerated in this class. This includes plagiarism on tests, assignments, and exams, which will be strictly enforced and is easily detected. If you have further questions regarding what constitutes plagiarism or other academic offences, feel free to speak with me or your TA.