

ECO313H1S, Environmental Economics and Policies

Summer 2022, Economics Department

University of Toronto

Instructor: Masoud Anjomshoa

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Office Hours: See the Quercus website

Reading Materials:

This course is involved with a lot of reading from different sources, as there is no single textbook that can be used for all the materials. The following textbooks are good sources for some of the topics. The readings will be assigned throughout the semester and will be available through the links to the library materials. There may not be enough time in classes to go over all the details of the reading materials, but students are required to read the materials carefully, and are responsible for everything.

Roger Perman, Yue Ma, Michael Common, David Maddison, James McGilvray (2011), Natural Resource and Environmental Economics, 4th edition, Pearson Publishing.

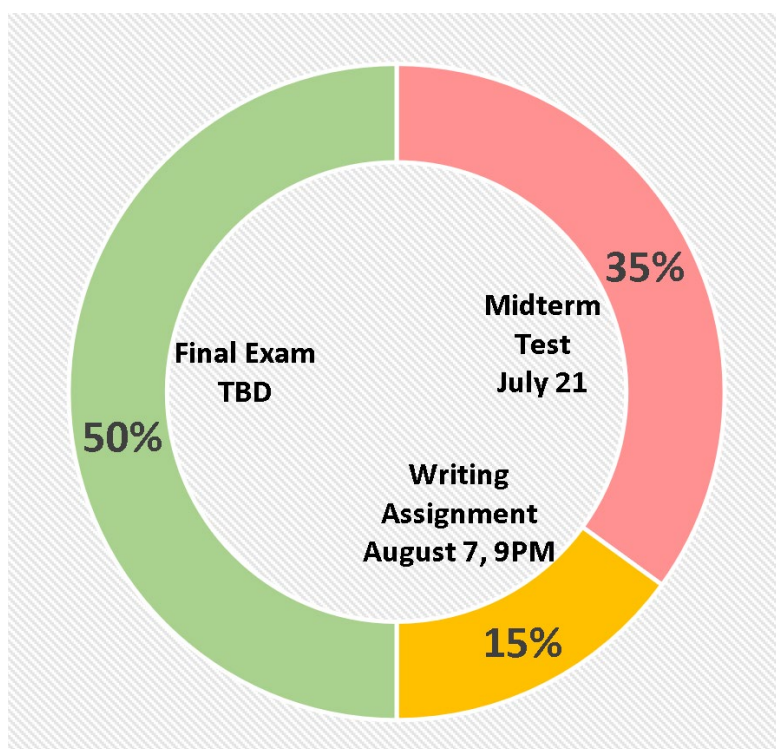
Field, Barry C. and Nancy D. Olewiler, 2017. Environmental Economics, Forth Canadian Edition. Toronto: McGraw-Hill Ryerson.

Evaluations/Grading Schemes:

Here are the components of the course evaluations. Please see the details in the later pages.

Lectures/Tutorials:

The lectures, tutorials, office hours, midterm test, and final exam will be held in-person. Some of the 3-hour course slots (2:00-5:00PM) are used for lectures, and some of them will include two hours of lecture during the first two hours (2:00-4:00PM), and one hour of tutorial during the third hour (4:00-5:00PM). The tutorials will be announced in advance.



Prerequisites:

Prerequisites are strictly checked and enforced and must be completed before taking a course. By taking this course you acknowledge that you will be removed from the course at any time, if you do not meet all the requirements set by the Department of Economics. For further information you can consult the Courses Calendar, which is available from the Registrar' s Office. If you have any doubt about the required prerequisite, please let me know to direct you to the right person to check it for you.

Course Description:

This course demonstrates a rigorous application of microeconomic and some macroeconomic theories in order to model, analyze, and respond to various environmental problems. First, we will look at the interaction between natural and economic systems, and the nature of the environmental deterioration, caused mainly by fast expansion of the level of economic activities. Then, we will seek solutions to these problems in the framework of neoclassical economics, while some alternative critical views will be discussed briefly.

Other topics like the economics of recycling, preserving biodiversity, environmental policies under uncertainty, and optimal extraction of the environmental resources, among others, will be introduced. Case studies and real-world environmental policies will be studies too.



Evaluations Scheme:

Evaluation	Weight	Date	Time
Midterm Test	35%	July 21	Sometimes within the 2:00 - 5:00PM interval
Writing Assignment	15%	August 7	9:00PM, sharp, online submission
Final Exam	50%	TBD	

Makeup Test:

If for any acceptable reason by the university rules, you miss the midterm test, you should declare your absence, and the **reason** for it on ACORN, and send me a copy with the related documentations within 5 days from the test, by email. There will be a makeup test for the eligible students who miss the midterm test on **August 11, 6:00-7:00PM**. The test may cover more chapters than the actual midterm test. Note that the makeup test is a private test and will NOT be returned to you. If you miss the makeup test, you will receive a zero mark, no matter why you miss the test.

Notes, Videos, Emails, and Quercus Course Website:

Quercus: All the course materials like exercises, notes, videos, announcements, ... will be posted on the Quercus course website. It is your responsibility to follow up and get the information about the tests, announcements, ...

Course Notes and Video: For your convenience, I will also post course notes on the website in pdf format. But the notes are **NOT** complete, and the complete version is **NOT** available. For **SOME** parts of the course, I will post pre-recorded videos to be able to go over the materials faster during the in-person lectures.

Emails: If you want to send me an email, you must send it from your UofT account to masoud.anjomshoa@utoronto.ca. I prefer **NOT** to receive messages in Quercus Inbox.

Writing Assignment:

The topics and details of the writing assignment will be announced later. In suspicious cases, your assignment could be checked by **Ouriginal** (a substitute for Turnitin). The deadline for the writing assignment will not be extended, so no late deduction is applicable. No excuses like network failure or system interruption ... is acceptable. If you miss the writing assignment, it **cannot** be substituted by anything else.

Warning Note: You have plenty of time to finish the writing assignment, but please do not leave it to the last minutes, as many problems including technical problems or medical emergencies may arise. So, no medical or health issues or technical problems are accepted for missing the writing assignment.

Re-grading Appeals:

In order to appeal for re-grading your midterm test, you should submit the Re-grading Request Form (ask me for it), by email, within **2 weeks** after returning the grades. After this period, no request is accepted. I may re-grade the entire test, so your grade can go either way, up or down, or remain unchanged. The form contains the re-grading rules.

Important Notes:

- Note that all the details in the notes or reading materials will not be discussed during the lectures, because of the time. So, you should be willing to read the materials, and go through the calculations on your own.
- There might be some marginal grade adjustments for the final grade of the course at the instructor's discretion, in terms of letter grade. In case of petition for re-grading of the final exam, the adjustment may be revised for the final mark of the course.

Academic Integrity and Academic Misconduct:

- Students should note that any form of academic misconduct will not be tolerated, as academic integrity is central to an UofT education. Any student caught engaging in misconduct activities will be subject to academic discipline ranging from a mark of zero on a test or examination to dismissal from the university as outlined in the academic handbook. Any student abetting or otherwise assisting in such misconduct will also be subject to academic penalties.
- Academic integrity is especially relevant for online courses. Consider all graded term work as individual work. Collaborating, providing or receiving answers or unauthorized help from someone else on submitted work violates academic integrity.
- Please note that all suspected cases will be reported to the Department of Economics and OSAI. Please consult with the university's Code of Behavior on Academic Matters:
<http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>
Also: <http://www.artsci.utoronto.ca/osai>
- In order to avoid plagiarism, your assignments might be submitted to **Ouriginal** (instead of Turnitin). You can find the details about what plagiarism is and how to avoid it, check this link: <http://advice.writing.utoronto.ca/using-sources>
- The usual University of Toronto disclaimer on use of Ouriginal is applied: "Normally, students will be required to submit their course essays to the University's plagiarism detection tool 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 tool's reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation web site (<https://uoft.me/pdt-faq>).
- **Notice of Video Recording and Sharing:** Course videos and materials belong to the instructor, the University, and/or other sources depending on the specific facts of each situation and are protected by copyright. Do not download, copy, or share any course or student materials or videos without the explicit permission of the instructor.

Academic Support:

- Students with diverse backgrounds, perspectives, learning styles and needs are welcome in this course. If you need help achieving academic success in this course, please reach out.

For accessibility services/accommodation, please see: <http://www.studentlife.utoronto.ca/as>

- In order to receive helpful information for your essays, you can use the services of several Writing Centers at the University of Toronto. A list of these Writing Centers can be found at <https://writing.utoronto.ca/writing-centres/arts-and-science/>

For more general advice on academic essay-writing, please refer to:

<http://www.artsci.utoronto.ca/current/advising/ell>

For more information, please contact the ELL coordinator

Leora Freedman at leora.freedman@utoronto.ca

Planned Course Schedule:

Actual order and topics of the materials might be changed, if needed

Weeks	Topics
1: July 4 - 8	- Sustainability and Limits to Economic Growth: Classical, Neoclassical, and Ecological Views, Measures, and Models
2: July 11 - 15	– Market Failure and Environment: Externalities and Public Goods – The Socially Efficient Levels of Emissions for Flow Damage Pollutant, Spatial and Intertemporal Analysis of Stock Damage Pollutant
3: July 18 - 22	– Solutions to Environmental Problems Using a Wide Range of Policy Instruments: Institutional Approaches, Command and Control Approaches, The Market Based Approaches. – Environmental Policies and Regulation under Uncertainty
4: July 25 - 29	- Assessing the Benefits of the Environmental Services: The Contingent Valuation Method, Travel Cost Method, Hedonic Price Method, ...
5: Aug 1 - 5	– Environmental Policies Dealing with Open Access to Environmental Resources (Tragedy of Commons). The Theory of Optimal Resource Extraction, Renewable and Non-Renewable Resources: Controlling Over-extraction, Over-fishing, Over-logging, ...
6: Aug 8 - 12	– Economics of Recycling – The Economics of Water Quality Improvement. (On Time Allowing Basis)