

Dalhousie University – Economics Department
ECON 3335. Environmental Economics
Summer I - May 11 – June 2, 2020

Class Meeting Time and Location:

Online.

Office hours live: Thursday, 2-3pm (Atlantic Time)

Contact Information:

Instructor: Dr. Catherine Boulatoff

Email address: Boulatoff@dal.ca

Class web site: <https://dalhousie.brightspace.com>

Office: 6220 University Avenue, B25

Economics Department Office Phone: (902) 494-2026

Office Phone: (902) 494-6991

Course Objective: In this course, we will investigate the interactions between the environment and the economy. We will apply economic tools to analyze the causes and effects of environmental degradation of water and air in particular, and examine the different policies that have been used to improve environmental quality (with special emphasis on the U.S. in the book).

Main textbook:

Callan S. and Thomas J. (2013) Environmental Economics & Management: Theory, Policy, and Applications (6th ed.) Thomson/ Southwestern.

Other sources:

Hanley (N), Jason Shogren, and Ben White (2019) Introduction to Environmental Economics. 3d ed. Oxford.

Tietenberg T. and Lynne Lewis (2008) Environmental & Natural Resource Economics. 8th Ed. Addison-Wesley.

Articles from peer reviewed journals, or magazines, and videos.

Grading Scheme:

Participation: 20%

Individual Assignments (3): 30%

Group Project: 20%

Quizzes (3/4): 30%

Participation (20%):

Every Monday, there will be a topic for discussion (groups of 10 people, as the class is rather large). Use these discussions to apply some of the concepts covered in chapters. You will be graded on both the content and frequency of your posts (i.e. a minimum of once a week). The idea is for you to discuss (not just post something and forget about it).

(Individual) Assignments (30%):

You will have one assignment every Wednesday (visible at 2pm). These exercises could be numerical problems associated with the material covered in class, discussions based on pre-assigned readings or movies (posted on *Brightspace*). You will have until Thursday, 6 pm to complete the work. All works should be submitted on *Brightspace* directly (no email accepted).

Group Projects (20%):

In groups of four, you will prepare a presentation (PPT for example). The topic should be based on one of the following topics:

Air pollution (local/ regional/ or global), water pollution (ex: ocean pollution/ drinking water...), waste (plastics, municipal solid waste, e-wastes...), biodiversity (ex: bees, rainforest...).

Your presentation should include:

- (a) A description of the issue - What is it? How important is it? Where?...
- (b) A link between the issue and other (economic) variable(s). Ex: What variables explain e-waste? What are the main sources of ocean pollution or bee extinction? For this, you will need to read and use peer reviewed economic articles (at least 5!) on the topic. You may find some examples of such articles on Brightspace.
- (c) A discussion of policy implications or message to take home.

Overall, you should have between 5 and 10 slides. Considering that you will not be presenting in person, these slides should be self-explanatory (i.e. sentences instead of bullet points for example).

Your final draft is due on Wednesday, June 3^d (by 5pm Atlantic time).

Individual Quizzes (30%):

Short quizzes will be given at the end of each week (Friday). Each quiz will be graded out of 10 points. You will have 45 mn to complete each quiz (2pm to 2.45 pm Atlantic Time). The best three quizzes will count toward your grade. Any missed quiz will earn a grade of zero. All quizzes are to be individual work. Open books are allowed however.

Grading Scale:

A+	90 - 100%	B+	75 - 79.9%	C+	62 - 64.9%	D	50 - 54.9%
A	85 - 89.9%	B	70 - 74.9%	C	58 - 61.9%	F	< 50
A-	80 - 84.9%	B-	65 - 69.9%	C-	55 - 57.9%		

Students may request accommodation as a result of barriers related to disability, religious obligation, or any characteristic under the Nova Scotia Human Rights Act. Students who require academic accommodation for either classroom participation or the writing of tests, quizzes and exams should make their request to the Office of Student Accessibility & Accommodation (OSAA) (by phone at 494-2836, by email at access@dal.ca or by dropping in at the Mark A. Hill Accessibility Centre, 6227 University Avenue) prior to or at the outset of each academic term (with the exception of X/Y courses). Please see www.studentaccessibility.dal.ca for more information and to obtain Form A - Request for Accommodation. A note taker may be required to assist a classmate. There is an honorarium of \$75/course/term. If you are interested, please contact OSAA at 494-2836 for more information. Please note that your classroom may contain specialized accessible furniture and equipment. It

is important that these items remain in the classroom so that students who require their usage will be able to participate in the class.

Tentative Outline

Module	Chapters	Assessments/ Evaluations
Week 1: (May 11-15)	Ch.1. Introduction Ch.3. Modeling Market Failure Ch. 4. The Command-and-Control Approach	Discussion (M) Assignment 1(W) Quiz 1 (F)
Week 2: (May 19-22)	Victoria Day: No class (M) Ch. 5. The Market Approach Ch. 6. Environmental Risk and Behaviour Ch. 7. Assessing Benefits for Environmental Decision Making	Discussion (M) Assignment 2 (W) “Based on Food Inc.” https://www.youtube.com/watch?v=2Oq24hITFTY Quiz 2 (F)
Week 3: (May 25-29)	Ch. 8. Assessing Costs for Environmental Decision Making Ch. 9. Benefit-Cost Analysis for Environmental Decision Making Ch. 13. Global Air Quality: Policies for Ozone Depletion and Climate Change Ch. 18. Managing Municipal Wastes	Discussion (M) Assignment 3 (W) Quiz 3 (F)

Week 4: (June 1&2)	Ch. 20. Development, Poverty, and the Environment	Quiz 4 (T) Project (Wednesday, 5pm)
------------------------------	---	--

DEPARTMENT OF ECONOMICS STATEMENT ON ACADEMIC INTEGRITY

At Dalhousie University, we respect the values of academic integrity: honesty, trust, fairness, responsibility, and respect. As a student, adherence to the values of academic integrity and related policies is a requirement of being part of the academic community at Dalhousie University.

What does academic integrity mean?

Academic integrity means being honest in the fulfillment of your academic responsibilities, thus establishing mutual trust. Fairness is essential to the interactions of the academic community and is achieved through respect for the opinions and ideas of others. "Violations of intellectual honesty are offensive to the entire academic community, not just to the individual faculty member and students in whose class an offence occurs." (<http://ug.cal.dal.ca/UREG.htm#12>)

How can you achieve academic integrity?

- Make sure you understand Dalhousie's policies on academic integrity: <http://academicintegrity.dal.ca/Policies/>
- While discussion with your fellow students is valuable, do not submit an assignment or essay that is essentially identical to an assignment or essay submitted by another individual or group.
- In assignments or essays, use an approved method of citation for any material taken directly from an existing source or any material that is a paraphrase of an existing source.
- Do not download the work of another from the Internet and submit it as your own.
- Do not submit work that has been completed through collaboration or previously submitted for another assignment without permission from your instructor.
- Do not have someone else write an examination or test for you, or write an examination or test for someone else.
- During an examination or test, do not converse with other students and do not attempt to copy the work of another student.

What will happen if an allegation of an academic offence is made against you?

Instructors are required to report any suspected offence. The full process is outlined in the Discipline flow chart (<http://academicintegrity.dal.ca/Files/AcademicDisciplineProcess.pdf>) and includes the following:

- Each Faculty has an Academic Integrity Officer (AIO) who receives allegations from instructors.
- The AIO decides whether to proceed with the allegation and you will be notified of the process.
- If the case proceeds, you will receive a PENDING grade until the matter is resolved.
- If you are found guilty of an academic offence, a penalty will be assigned ranging from a warning to suspension or expulsion from the University and can include a notation on your transcript, failure of the assignment, or failure of the course. All penalties are academic in nature.

Where can you turn for help?

- If you are ever unsure about ANYTHING, contact your instructor.

- See <http://academicintegrity.dal.ca> for links to policies, definitions, online tutorials, and tips on citing and paraphrasing.
- See <http://writingcentre.dal.ca> for assistance with proofreading, writing styles, and citations.
- See <http://libraries.dal.ca/research.html> for a set of research tools including subject Guides, Assignment Calculator, and RefWorks.
- See <http://studentservices.dal.ca/services/advocacy.html> for assistance with academic appeals and student discipline procedures.
- See <http://senate.dal.ca> for a list of Academic Integrity Officers, a discipline flow chart, and the Senate Discipline Committee.

Rev. Aug 2011