

Department of Economics  
Wilfrid Laurier University  
Winter 2009  
**EC 238**  
**Environmental Economics**

**INSTRUCTOR**

Sharif Khan  
Ph.D. Candidate, Queen's Economics Department  
Office: P3028  
Phone: 519-884-0710, EXT 2270  
Email: [shkhan@wlu.ca](mailto:shkhan@wlu.ca)  
Website: <http://qed.econ.queensu.ca/pub/students/khans/>

**LECTURE HOURS AND LOCATION**

Section A: Tuesdays and Thursdays 11:30 – 12:50 p.m., SBE 1210  
Section B: Tuesdays and Thursdays 1:00 – 2:20 p.m., SBE 1210

**OFFICE HOURS**

Tuesdays 3:00 p.m. - 5:00 p.m., or by appointment

**COURSE WEBPAGE**

[http://www.econ.queensu.ca/pub/students/khans/EC238\\_W09.htm](http://www.econ.queensu.ca/pub/students/khans/EC238_W09.htm)

The course outline, assignment questions, solutions to assignments and solution to mid-term exam will be posted on the course webpage. Important announcements concerning the course will also be posted there.

**COURSE DESCRIPTION**

Economic theory is applied to the problems of environmental disruption and pollution. The factors that inhibit environmental improvement are examined. Economic policies that can be used to prevent environmental decay are studied.

**PREREQUISITES**

EC120 and EC 140

**REQUIRED TEXTS**

1. *Environmental Economics & Management: Theory, Policy, and Applications*, by Scott J. Callan and Janet M. Thomas, 4<sup>th</sup> Edition, Thomson South-Western, Canada, 2007. ISBN-10: 0324320671. [CT]
2. *Resources and Learning Tools in Environmental Economics*, by Scott J. Callan and Janet M. Thomas, Thomson South-Western, Canada, 2008. ISBN-10: 0324360150.

## TEXTBOOK WEBSITE

[www.thomsonedu.com/economics/callan](http://www.thomsonedu.com/economics/callan)

## EVALUATION

Optional Assignments (You do NOT have to Submit)	0%
Two Required Assignments	20%
Mid-term Exam	30%
Final Exam (Comprehensive)	50%

The course grade will be determined by the following rule:

**Course Grade = maximum {(20% of Assignments + 30% of Midterm + 50% Final), (20% of assignments + 80% of Final)}**

Students **must** write both the midterm exam and final exam to pass this course. If a student misses the midterm exam due to acceptable medical reasons or unavoidable circumstances, the weight of his or her midterm exam will be added to the final exam. Students must report to me the reasons of not writing the midterm exam prior to the exam date or immediately after the exam.

## ACCESSIBLE LEARNING STATEMENT

*Students with disabilities or special needs are advised to contact Laurier's Accessible Learning Centre for information regarding its services and resources. Students are encouraged to review the Calendar for information regarding all services available on campus.*

## ACADEMIC AND RESEARCH MISCONDUCT

*You are reminded that the University will levy sanctions on students who are found to have committed, or have attempted to commit, acts of academic or research misconduct. You are expected to know what constitutes an academic offense, to avoid committing such offenses, and to take responsibility for your academic actions. For information on categories of offenses and types of penalty, please consult the relevant section of the Undergraduate Academic Calendar. If you need clarification of aspects of University policy on Academic and Research Misconduct, please consult your instructor.*

*Wilfrid Laurier University uses software that can check for plagiarism. Students may be required to submit their written work in electronic form and have it checked for plagiarism.*

**COURSE OUTLINE AND LECTURE PLANS**  
(Reference codes refer to the texts mentioned above)

<b>Date</b>	<b>Topic</b>	<b>References</b>
January 6, 2009	The Role of Economics in Environmental Management	CT: Ch 1
January 8, 2009	The Role of Economics in Environmental Management	CT: Ch 1
January 13, 2009	Modeling the Market Process	CT: Ch 2
January 15, 2009	Modeling the Market Process	CT: Ch 2
January 20, 2009	Modeling Market Failure	CT: Ch 3
January 22, 2009	Modeling Market Failure	CT: Ch 3
January 27, 2009	Conventional Solutions to Environmental Problems	CT: Ch 4
January 29, 2009	Conventional Solutions to Environmental Problems	CT: Ch 4
February 3, 2009	Economic Solutions to Environmental Problems	CT: Ch 5
February 5, 2009	Economic Solutions to Environmental Problems	CT: Ch 5
February 10, 2009	Environmental Risk Analysis	CT: Ch 6
February 12, 2009	Environmental Risk Analysis	CT: Ch 6
February 17, 2009	Reading Week – No Class	
February 19, 2009	Reading Week – No Class	
February 24, 2009	Assessing Benefits for Environmental Decision Making	CT: Ch 7
<b>February 26, 2009</b>	<b>Midterm Exam will be held in class</b>	
March 3, 2009	Assessing Benefits for Environmental Decision Making	CT: Ch 7
March 5, 2009	Assessing Costs for Environmental Decision Making	CT: Ch 8
March 10, 2009	Benefit-Cost Analysis in Environmental Decision Making	CT: Ch 9
March 12, 2009	Benefit-Cost Analysis in Environmental Decision Making	CT: Ch 9
March 17, 2009	Defining Air Quality: The Standard-Setting Process	CT: Ch 10
March 19, 2009	Improving Air Quality: Controlling Stationary Sources	CT: Ch 11
March 24, 2009	Improving Air Quality: Controlling Mobile Sources	CT: Ch 12
March 26, 2009	Global Air Quality: Policies for Ozone Depletion and Global Warming	CT: Ch 13
March 31, 2009	Sustainable Development: International Trade and Agreements	CT: Ch 20
April 2, 2009	Sustainable Development: International Trade and Agreements	CT: Ch 20

**Note:** Additional readings, if necessary, will be assigned during the semester.

## **TIPS TO DO WELL IN THIS COURSE**

- Attend all the lectures and actively participate in class. Feel free to ask as many questions as you want in the class. There is no 'stupid question' in my class.
- Read the textbook and other assigned readings between the lines and go through your lecture notes from the class. If you have any questions, please ask me during my office hours.
- Do all the assignments. Assignments are meant for helping you understand the course materials and prepare you for the exams.
- Go through the solutions to all assignments and mid-term carefully. If you face any problems, feel free to stop by during my office hours.