

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: ECON 361		Number of Credits: 3 Course credit policy (105)																	
Course Full Title: Environmental Economics																			
Course Short Title (if title exceeds 30 characters):																			
Faculty: Faculty of Social Sciences		Department (or program if no department): Economics																	
Calendar Description:																			
<p>This course explores the proper role of government regulation regarding the environment. Students will study the economic framework used to estimate the costs and benefits of environmental policies. This framework will be used to evaluate various applied policy questions, including: What is the relationship between economic growth and environment quality? How much pollution should there be? What are the costs of climate change? Are we running out of resources?</p> <p>Note: This course is offered as ECON 361 and GEOG 361. Students may take only one of these for credit.</p>																			
Prerequisites (or NONE):		45 university-level credits including ECON 100 and ECON 101.																	
Corequisites (if applicable, or NONE):																			
Pre/corequisites (if applicable, or NONE):																			
Equivalent Courses (cannot be taken for additional credit) Former course code/number: Cross-listed with: GEOG 361 Equivalent course(s): GEOG 361 <i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>		Transfer Credit Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Transfer credit requested (OReg to submit to BCCAT): <input type="checkbox"/> Yes <input type="checkbox"/> No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No To find out how this course transfers, see bctransferguide.ca .																	
Total Hours: 45 Typical structure of instructional hours: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture hours</td><td style="text-align: center;">45</td></tr> <tr><td>Seminars/tutorials/workshops</td><td></td></tr> <tr><td>Laboratory hours</td><td></td></tr> <tr><td>Field experience hours</td><td></td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td></td></tr> <tr><td>Online learning activities</td><td></td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;">Total</td><td style="text-align: center;">45</td></tr> </table>		Lecture hours	45	Seminars/tutorials/workshops		Laboratory hours		Field experience hours		Experiential (practicum, internship, etc.)		Online learning activities		Other contact hours:		Total	45	Special Topics Will the course be offered with different topics? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, different lettered courses may be taken for credit: <input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit <i>Note: The specific topic will be recorded when offered.</i>	
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Seminars/tutorials/workshops																			
Laboratory hours																			
Field experience hours																			
Experiential (practicum, internship, etc.)																			
Online learning activities																			
Other contact hours:																			
Total	45																		
		Maximum enrolment (for information only): 28																	
		Expected frequency of course offerings (every semester, annually, every other year, etc.): Annually																	
Department / Program Head or Director: Vladimir Dvoracek		Date approved: September 2016																	
Faculty Council approval		Date approved: September 2016																	
Campus-Wide Consultation (CWC)		Date of posting: December 9, 2016																	
Dean/Associate VP: Jacqueline Nolte		Date approved: September 2016																	
Undergraduate Education Committee (UEC) approval		Date of meeting: December 16, 2016																	

Learning Outcomes

Upon successful completion of this course, students will be able to:

- Distinguish between levels of pollutants that have improved versus those which have deteriorated as industrialization has progressed;
- Use a production possibilities frontier model to explain different patterns of growth and environmental change;
- Assess basic analytical tools such as willingness-to-pay, the equimarginal principle, and the difference between total social value and marginal social value;
- Evaluate some of the measurement issues which arise in environmental policy;
- Compare and contrast concepts such as benefit-cost analysis, cost-effectiveness analysis and environment impact analysis;
- Select and adapt economic models to address key issues in environmental economics.

Prior Learning Assessment and Recognition (PLAR)

Yes No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

Lectures will develop theories and apply them to problems in environmental economics. There will be extensive use of graphing and problem solving. Formal analytic analysis and the economic intuition that underlies it are used.

Grading system: Letter Grades: Credit/No Credit: Labs to be scheduled independent of lecture hours: Yes No

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)

Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1. Tietenberg and Lewis	Environmental Economics and Policy	<input checked="" type="checkbox"/>	Pearson	2010
2.		<input type="checkbox"/>		
3.		<input type="checkbox"/>		
4.		<input type="checkbox"/>		
5.		<input type="checkbox"/>		

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**Typical Evaluation Methods and Weighting**

Final exam:	30%	Assignments:	20%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	20%	Lab work:	%	Field experience:	%	Shop work:	%
Participation:	10%	Presentations:	20%	Other:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

- Economics and the Environment, Nature of the Problem
- Analytical Models and Framework of Analysis
- Environmental Analysis
- Environmental Intervention Strategies and Associated Policy Issues
- Economics of Natural Resource Allocation - Renewable and Non-renewable
- Economic Development and Sustainability
- Selected Issues/Applications