



COURSE IMPLEMENTATION DATE: April 1992  
 COURSE REVISED IMPLEMENTATION DATE: September 2010  
 COURSE TO BE REVIEWED: March 2014  
*(four years after UPAC approval)* *(month, year)*

**OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION**

Students are advised to keep course outlines in personal files for future use.  
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

ECON 361	Economics	3
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
	ENVIRONMENTAL ECONOMICS	
	COURSE DESCRIPTIVE TITLE	

**CALENDAR DESCRIPTION:**

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 a series of 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?

PREREQUISITES: 45 university-level credits, including one of ECON 100 or ECON 101.  
**Note:** As of September 2011, prerequisites will change to the following: 45 university-level credits, including ECON 100 and ECON 101.

COREQUISITES:  
 PRE or COREQUISITES:

**SYNONYMOUS COURSE(S):**

- (a) Replaces: \_\_\_\_\_
- (b) Cross-listed with: \_\_\_\_\_
- (c) Cannot take: \_\_\_\_\_ for further credit.

**SERVICE COURSE TO:** *(department/program)*

**TOTAL HOURS PER TERM:** 45

**STRUCTURE OF HOURS:**

Lectures:	<u>45</u>	Hrs
Seminar:	_____	Hrs
Laboratory:	_____	Hrs
Field experience:	_____	Hrs
Student directed learning:	_____	Hrs
Other (specify):	_____	Hrs

**TRAINING DAY-BASED INSTRUCTION:**

Length of course: \_\_\_\_\_  
 Hours per day: \_\_\_\_\_

**OTHER:**

Maximum enrolment: 28  
 Expected frequency of course offerings: Annually  
*(every semester, annually, every other year, etc.)*

**WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)**  Yes  No  
**WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)**  Yes  No  
**TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:**  Yes  No

Course designer(s): <u>Sean Parkinson</u>	Date approved: <u>September 2009</u>
Department Head: <u>Vladimir Dvoracek</u>	Date of meeting: <u>September 25, 2009</u>
Supporting area consultation (Pre-UPAC)	Date approved: <u>March 12, 2010</u>
Curriculum Committee chair: <u>John Carroll</u>	Date approved: <u>March 12, 2010</u>
Dean/Associate VP: <u>Jacqueline Nolte / Eric Davis</u>	Date of meeting: <u>March 26, 2010</u>
Undergraduate Program Advisory Committee (UPAC) approval	

**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.

**METHODS:** *(Guest lecturers, presentations, online instruction, field trips, etc.)*

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.

**METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

- Examination(s)                       Portfolio assessment                       Interview(s)
- Other (specify):
- PLAR cannot be awarded for this course for the following reason(s):

**TEXTBOOKS, REFERENCES, MATERIALS:**

*[Textbook selection varies by instructor. An example of texts for this course might be:]*Environmental Economics & Policy, 6/E (2008) Tietenberg and Lewis

**SUPPLIES / MATERIALS:**

**STUDENT EVALUATION:**

*[An example of student evaluation for this course might be:]*

Quizzes and midterms	20%
Final exam	30%
Presentations	20%
Assignments and paper	20%
Participation	10%

**COURSE CONTENT:**

*[Course content varies by instructor. An example of course content might be:]*

- 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