

COURSE IMPLEMENTATION DATE:	September 1995
COURSE REVISED IMPLEMENTATION DATE:	
COURSE TO BE REVIEWED:	September 1999
(Four years after implementation date)	(MONTH YEAR format)

OFFICIAL 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 and the material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT:	ECONOMICS
ECONOMICS 361	
COURSE NAME/NUMBER	FORMER COURSE NUMBER
ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS	UCFV CREDITS
COURSE DESCRIPTIVE TITLE	

CALENDAR DESCRIPTION:

Tension exists between whether to exploit or to conserve resources and that the uses of many resources are not effectively regulated by markets. Preventing environmental degradation involves the allocation of scarce resources. These resources are typically rationed by prices, and, as such, the environmental problem is an economic problem. The tools of micro-economic analysis provide a useful aid in the design of natural resource and environmental policy. The aim of this course is to illustrate the role of micro-economic analysis in informing, analyzing, and evaluating this policy.

PREREQUISITES: **Economics 201 and 202**
COREQUISITES:

SYNONYMOUS COURSE(S)	SERVICE COURSE TO:
(a) Replaces: _____ (Course #)	_____
(b) Cannot take: _____ for further credit. (Course #)	_____

TOTAL HOURS PER TERM: 60	TRAINING DAY-BASED INSTRUCTION	
STRUCTURE OF HOURS:	LENGTH OF COURSE: _____	
Lectures: 60 Hrs	HOURS PER DAY: _____	
Seminar: Hrs		
Laboratory: Hrs		
Field Experience: Hrs		
Student Directed Learning: Hrs		
Other (Specify): Hrs		

MAXIMUM ENROLLMENT: _____

EXPECTED FREQUENCY OF COURSE OFFERINGS: _____

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes	<input type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ Dale F. Box	Chairperson: _____ (Curriculum Committee)
Department Head: _____	Dean: _____ J. D. Tunstall, Ph.D.
PAC Approval in Principle Date: _____	PAC Final Approval Date: May 25, 1994

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

This course provides an opportunity for students to understand how to apply the tools of micro-economic analysis to environmental and natural resource issues. It will be useful for students who wish to receive a broad survey of economic policy issues concerning the environment. The course will develop student's analytical and intuitive knowledge of micro-economic analysis. The primary focus will be on helping students apply the theories to real world situations.

METHODS:

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check :) Yes No

METHODS OF OBTAINING PLAR:

The lectures will emphasize the major topics and ideas in each chapter. Time will be spent developing the theories and then applying them to current economic problems. Graphs will be used extensively while calculus and algebra will be used sparingly.

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Primary Text(s):

Tom H. Tietenberg, Environmental and Natural Resource Economics, (3rd edition), Harper-Collins Publishers, 1992.

Supplementary Readings:

Robert Dorfman and Nancy S. Dorfman, Economics of the Environment: Selected Readings, (3rd edition), W.W. Norton & Company, 1993.

Dieter Helm, Economic Policy Towards the Environment, Blackwell Publishers, 1991.

Selected articles from relevant Journals.

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

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

ASSIGNMENTS:	10%
TERM PAPER	20%
MID-TERM:	20%
FINAL:	50%

COURSE CONTENT:

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

1. Introduction to the Study of Natural Resource Economics

Topics Include: The concept of natural resources; Intertemporal decision making; property rights, welfare economics and the role of the government; Current environmental challenges and resource allocation problems.

2. Economics of the Fishery

Topics Include: Tragedy of the commons and the economic theory of a common property resource (harvesting under open access and socially optimal harvests).

3. Regulation of the Fishery

Topics Include: Optimal taxation of the fishery – Are they efficient and do they provide optimal incentives; Regulation in practice.

4. Economics of Forest Utilization

Topics Include: Optimal forest utilization (harvesting & replanting decisions); Effects of taxation (stumpage) on forestry use; Evaluation of the preservation option – Conservation Reconsidered; Current policies and practices in Canada (B.C.)

5. Economics of Pollution

Topics Include: Externalities in consumption; Externalities in production; Current approach to the control of air pollutants – taxation, subsidies, standards or property rights?

6. Pollution Policy in Practice – Benefit-Cost Analysis

Topics Include: Introduction to benefit-cost analysis – a general framework; Valuing environmental damage and techniques of “non-market” valuation; Applications of benefit-cost analysis and the control of polluting emissions.

7. The Global Environment

Topics Include: International environmental problems; Economics of global warming; Problems associated with global environmental protection.