

267a,b

ORIGINAL
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FEB 26 2013
WSU REGISTRAR

Washington State University
MAJOR CURRICULAR CHANGE FORM -- COURSE
(Submit original signed form and ten copies to the Registrar's Office, zip 1035.)

Future Effective Date: 08/19/2013 New course Temporary course Drop-service course
(effective date cannot be retroactive) There is a course fee associated with this course (see instructions)

- Variable credit _____
- Increase credit (former credit _____)
- Number (former number _____)
- Crosslisting (between WSU departments)
(Must have both departmental signatures)
- Conjoint listing (400/500)
- Request to meet Writing in the Major [M] requirement (Must have All-University Writing Committee Approval)
- Request to meet GER in _____ (Must have GenEd Committee Approval) Fulfills GER lab (L) requirement
- Professional course (Pharmacy & Vet Med only) Graduate credit (professional programs only)
- Other (please list request) Drop course that is conjoint with EconS 431 and cooperatively listed with UI AgEc 531

ECONS 431 ^a 531 ^b Economic Analysis of Environmental Policies
course prefix course no. title

| credit | lecture hrs per week | lab hrs per week | studio hrs per week | prerequisite |
|--------|----------------------|------------------|---------------------|--------------|
| 3 | 3 | 0 | 0 | |

Description (20 words or less) _____

Instructor: Greg Galinato Phone number: 335-6382 Email: ggalinato@wsu.edu
 Contact: Karla Makus Phone number: 335-1667 Email: makusk@wsu.edu
 Campus Zip Code: 6210

- Please attach rationale for your request, a current and complete syllabus, and explain how this impacts other units in Pullman and other branches (if applicable).
- Secure all required signatures and provide 10 copies to the Registrar's Office.

[Signature] 2/18/13 _____
 Chair/date Dean/date General Education Com/date
[Signature] 2/18/13 [Signature] 2/19/13 _____
 Chair (if crosslisted/interdisciplinary)* Dean (if crosslisted/interdisciplinary)* Graduate Studies Com/date

All-University Writing Com/date Academic Affairs Com/date Senate/date

*If the proposed change impacts or involves collaboration with other units, use the additional signature lines provided for each impacted unit and college.

February 15, 2013

To Whom It May Concern;

There are two issues covered by this major change form:

1. EconS 431 and 531 Economic Analysis of Environmental Policies are currently taught as conjoint. We are planning to make 431 a separate class as we have found that it is very difficult to teach some of the content of the class conjointly to undergraduates and graduates given their differing levels of preparation. Second, enrollment in 431 has been adversely impacted as undergraduate students are hesitant to enroll. They have expressed concern that this as a difficult course because Master's students in the class. By dropping conjoint status (by dropping EconS 531) enrollment for 431 should increase.
2. EconS 531 is a cooperative course with the University of Idaho – AgEc 531. Therefore, by dropping the course, we are dropping a cooperative course in the joint Master's program and this will require approval from UI.

Sincerely,

Vicki A. McCracken

Vicki McCracken
Associate Director
Professor

previously

Economic Analysis of Environmental Policies
ECON 431/531
Fall 2011

Professor: Gregmar I. Galinato
Email: ggalinato@wsu.edu
Phone: 335-6382

Office: Hulbert Hall 203C
Hours: 3:15 – 4:15pm M, W
or by Appointment

Course Overview

This course applies economic principles in examining issues that relate the impact of the economy on the environment. Economic theory will provide a framework to understand environmental issues and will be the basis for policy recommendations at the local and national level. In the first part of the course we use economic models to determine the optimal balance of environmental protection and use. We will develop a framework that helps us understand optimal management and valuation of the environment. In the second part of the course, we study tools and policies that help achieve optimal management of the environment.

The course is cross-listed undergraduates and Masters students. Course requirements will differ accordingly as described below.

Lectures and Attendance Policy:

Lectures will be held in Hulbert Hall 23 on Mondays, Wednesdays and Fridays from 2:10pm to 3:00pm. Attendance is very important for your success in this class. If you miss a problem set deadline due to an excused absence, the total points for problem sets will be adjusted accordingly. If you miss the midterm exam due to an excused absence, the final exam will be re-weighted accordingly. No make-up midterm will be given. If you miss the final exam due to an excused absence, you will be given an incomplete. Excused absences are limited to the following reasons: (1) Court appearances in which you are not the defendant (show me court papers prior to the absence); (2) Field trips or university-sponsored travel (give me documentation prior to the absence); (3) Hospitalization (give me a copy of your admission papers immediately upon returning to class); and (4) Military service in the armed forces of the United States (give me deployment papers prior to the absence).

Prerequisite: EconS 301.

Main Textbook:

Charles Kolstad, Environmental Economics, Oxford University Press, 2011. Second Ed.

Supplementary Materials:

1. Resource Economics. 1999. Jon M. Conrad.
2. Environmental Economics and Policy. 2009. Tom Tietenberg and Lynne Lewis.
3. Microeconomics Theory and Applications with Calculus. 2010. Jeff Perloff.

We use one main textbook. We will also use material from other publications as and when they appear relevant. You are required to read the material before class and strongly urged to participate in the discussions.

Course Objectives and Student Learning Outcomes:

1. The purpose of the course is to give you a solid foundation in those aspects of economics and quantitative policy analysis that are important to environmental issues.
2. Provide a rigorous overview of environmental economic models so that students will be able to understand the underlying concepts behind the models.
3. Increase a student's ability to apply the models in research related to environmental issues.

Grading:

Undergraduates: Midterm – 35%, Final – 35%, Problem Sets – 30%

Graduates: Midterm – 25%, Final – 25%, Problem Sets – 25%, Referee report – 25%

Exams: A midterm and final exam will cover the applications of tools to particular topics.

Exercises: Homework will be assigned throughout the semester. These exercises are designed as applications of formal analytical tools we develop in lecture and readings.

Referee report for graduate students: Before an article is published, referees go over it to check for any mistakes. There will be an article review for graduate students due Dec 2 2011. The student will need to pick and submit an article for approval to me by November 4, 2011. On November 7, I will verify that the article is appropriate to review. There is a three page limit for all referee reports.

Note: A standard grading scale will be used and a grading curve may be applied. Graduate and undergraduate student grading and grade distributions will be separate.

Topic Outline and Selected Readings:

| Week | Topic | Chapters |
|-------|--|--|
| | <i>Introduction</i> | |
| 1 | Introduction and Math Review | 1 and 2 (CK) Math appendix (Perloff) |
| | <i>Valuing the Environment</i> | |
| 2 | Social Choice and Efficiency | 3 and 4 (CK) |
| 3 | Market Failure, Public Goods and Externalities | 5 (CK) |
| 4 | Making Decisions about the Environment | 6 (CK) |
| 5 | Valuation Methods: Revealed Preferences | 8 and 9 (CK) |
| 6 | Valuation Methods: Constructed Markets | 10 (CK) |
| 7 | Midterm Exam | |
| | <i>Regulating Polluters</i> | |
| 8-9 | Pollution Regulation Overview | 11 (CK) 6 (JC) |
| 10-11 | Regulating Polluters: Prices & Quantities | 12 and 13 (CK) 6 (JC) (cont'd) |

| | | |
|----|---|----------------|
| 12 | Asymmetric Information: Hidden actions and hidden types | 15 and 16 (CK) |
| 13 | Voluntary Actions and Agreements | 17 |
| 14 | <i>Thanksgiving Break</i> | |
| | <i>Special Topics</i> | |
| 15 | International and Interregional Competition | 19 |
| 16 | Environment, Growth and Development | 20 |

Note: Reading list is tentative and readings may be added as the semester proceeds.

WSU Disability Statement: <http://drc.wsu.edu>

Reasonable accommodations are available for students with a documented disability. If you have a disability and may need accommodations to fully participate in this class, please visit the Disability Resource Center (DRC). All accommodations MUST be approved through the DRC (Washington Building, Room 217). Please stop by or call 509-335-3417 to make an appointment with a disability specialist.

WSU Online and the Disability Resource Center (DRC) work together to provide reasonable accommodations for students who have documented disabilities and who are registered both with WSU Online and the DRC. WSU Online's liaison to the DRC will assist you in getting started. To begin this process, contact WSU Online (800-222-4978 or distance@wsu.edu). We strongly recommend that you notify us as soon as possible. All accommodations must be approved through Disability Resource Center (DRC).

*WSU's Academic Integrity Statement*¹

"As an institution of higher education, Washington State University is committed to principles of truth and academic honesty. All members of the University community share the responsibility for maintaining and supporting these principles. When a student enrolls in Washington State University, the student assumes an obligation to pursue academic endeavors in a manner consistent with the standards of academic integrity adopted by the University. To maintain the academic integrity of the community, the University cannot tolerate acts of academic dishonesty including any forms of cheating, plagiarism, or fabrication. Washington State University reserves the right and the power to discipline or to exclude students who engage in academic dishonesty."

WSU Safety Procedures

Washington State University is committed to maintaining a safe environment for its faculty, staff, and students. Safety is the responsibility of every member of the campus community and individuals should know the appropriate actions to take when an emergency arises. In support of our commitment to the safety of the campus community the University has developed a Campus Safety Plan, <http://safetyplan.wsu.edu>. It is highly recommended that you visit this web site as well as the University emergency management web site at <http://oem.wsu.edu/emergencies> to become familiar with the information provided.

Disclaimer:

This syllabus is subject to change to facilitate instructional and/or student needs.

¹ Can be found on page 136 of current WSU Spokane Student Handbook. Academic Integrity Statement and link to WSU's policy: www.conduct.wsu.edu/default.asp?PageID=343; www.wsulibs.wsu.edu/plagiarism/main.html.

proposed
revised syllabus
for fall 2013

Economic Analysis of Environmental and Natural Resource Policies
ECONS 431
Fall 2013

Professor: Gregmar I. Galinato
Email: ggalinato@wsu.edu
Phone: 335-6382

Office: Hulbert Hall 203C
Office Hours: 3:15 – 4:15pm M, W
or by Appointment

Course Overview

This course applies economic principles in examining issues that relate the impact of the economy on the environment and natural resource management. Economic theory will provide a framework to understand environmental and natural resource issues and will be the basis for policy recommendations at the local and national level. In the first part of the course, we use economic models to determine the optimal balance of environmental protection and use, with the help of tools that help achieve optimal management of the environment. In the second part of the course, we model natural resource management problems and show how different policies affect resource stocks.

Lectures and Attendance Policy:

Lectures will be held in Hulbert Hall 23 on Mondays, Wednesdays and Fridays from 2:10pm to 3:00pm. Attendance is very important for your success in this class. If you miss a problem set deadline due to an excused absence, the total points for problem sets will be adjusted accordingly. If you miss the midterm exam due to an excused absence, the final exam will be re-weighted accordingly. No make-up midterm will be given. If you miss the final exam due to an excused absence, you will be allowed to retake the exam at an agreed upon date. Excused absences are limited to the following reasons: (1) Court appearances in which you are not the defendant; (2) Field trips or university-sponsored travel; (3) Hospitalization; and (4) Military service in the armed forces of the United States.

Prerequisite: EconS 301.

Credits: 3

Main Textbooks:

Charles Kolstad, Environmental Economics, Oxford University Press, 2011. Second Ed.
Resource Economics. 1999. Jon M. Conrad. ISBN-10: 0521649749.

Supplementary Materials:

1. Environmental Economics and Policy. 2009. Tom Tietenberg and Lynne Lewis.
2. Tietenberg, T. Environmental and Natural Resource Economics, 7th Edition. 2006. ISBN 0-321-30504-3.
3. Microeconomics Theory and Applications with Calculus. 2010. Jeff Perloff.

We will also use material from other publications as and when they appear relevant. You are required to read the material before class and strongly urged to participate in the discussions.

Course Objectives

1. The purpose of the course is to give you a solid foundation in those aspects of economics and quantitative policy analysis that are important to environmental and natural resource issues.
2. Provide a rigorous overview of environmental and natural resource economic models so that students will be able to understand the underlying concepts behind the models.
3. Increase a student's ability to apply the models in research related to environmental and natural resource issues.

Student Learning Outcomes: At the end of this course, students will be able to evaluate the effectiveness of environmental and natural resource policies in an economic context.

Grading:

Undergraduates: Midterm – 35%, Final – 35%, Problem Sets – 30%

A letter grade will be assigned at the end of the semester based on points accumulated in class.

The grading schedule is subject to change. A tentative grading schedule is

A range: 90-100%; B range: 80-89% ; C range: 70-79% ;

D range: 60-69%; F range: less than 60%

Exams: A midterm and final exam will cover the applications of tools to particular topics.

Exercises: Homework will be assigned throughout the semester. These exercises are designed as applications of formal analytical tools we develop in lecture and readings.

Note: A standard grading scale will be used and a grading curve may be applied.

Topic Outline and Selected Readings:

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| 3 | Valuation Methods: Revealed Preferences | 8 and 9 (CK) |
| 4 | Valuation Methods: Constructed Markets | 10 (CK) |
| 5 | Pollution Regulation Overview | 11 (CK) 6 (JC) |
| 6 | Regulating Polluters: Prices & Quantities | 12 and 13 (CK) 6 (JC) (cont'd) |
| 7 | Midterm Exam | |
| | <i>Natural Resource Management</i> | |

| | | |
|-------|--|--------------|
| 8 | Review of dynamic mathematic tools for economics | 1 and 2 (JC) |
| 9-10 | Fishery | 3 (JC) |
| 11-12 | Oil and Minerals | 4 (JC) |
| 13 | Scarcity | 4 (JC) |
| 14 | <i>Thanksgiving Break</i> | |
| | <i>Special Topics</i> | |
| 15 | Forestry | 5 (JC) |
| 16 | Environment, Growth and Development | 20 (CK) |

Note: Reading list is tentative and readings may be added as the semester proceeds.

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