

Syllabus Spring 2024

ECP 3302: Environmental Economics and Resource Policy

CLASS TIME AND LOCATION

Section ENV1 (28756): TR, Period 5-6 (11:45 am -1:40 pm)

MAT 016

Section ENV2 (28757): TR, Period 7-8 (1:55 pm - 3:50 pm)

MAT 112

OFFICE HOURS

Wednesdays: 1:30 pm – 3:30 pm or by appointment

MAT 339

INSTRUCTOR

Fei He

Office: Matherly Hall (MAT) 339

Phone: 352-392-0158

Email: he.fei@ufl.edu

COURSE DESCRIPTION

This course explores the economics underlying a variety of environmental issues as well as how economic policies can be used to address these issues.

Credit will not be awarded for both ECP 3302 and AEB 3450.

PREREQUISITES

ECO 2023 Principles of Microeconomics

OPTIONAL TEXTBOOK

- Nathaniel Keohane and Sheila Olmstead. Markets and the Environment (2nd edition)
- Field, Barry C. Natural Resource Economics, An Introduction. (7th edition)
- Tietenberg, Tom and Lynne Lewis. Environmental and Natural Resource Economics (12th edition)
- Jonathan M. Harris and Brian Roach, Environmental and Natural Resource Economics: A Contemporary Approach (5th edition)

COURSE COMMUNICATION

- Information related to the course, including announcements, homework assignments, and other course materials will be available through UF's Canvas "e-Learning" system. To access e-Learning you will need your Gatorlink username and password. E-Learning can be accessed via <http://elearning.ufl.edu/>. Should you have difficulties accessing e-Learning, please contact the UF Computing Help Desk at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

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- E-mail (either to my email address or via Canvas messaging) is the best way to reach the instructor. Please give the instructor 48 hours to respond to questions. You are highly encouraged to “bump” the messages to the instructor’s attention if you have not received a response within 48 hours.

EXPECTED STUDENT LEARNING OUTCOMES

After the completion of ECP 3302, you should be able to:

- identify externalities in a variety of environmental contexts and propose policy instruments to correct these externalities.
- describe different valuation methods for environmental goods.
- undertake basic analysis of economic problems applied to environmental and resource issues.

GRADING

Students are expected to attend the lectures. The overall course grade is based solely on your performance on exams, problem sets, in-class quizzes, and participation.

Your final course grade is determined by the following components:

| | |
|------------------|------|
| Exam 1 | 30% |
| Exam 2 | 25% |
| Problem sets | 25% |
| In-class quizzes | 10% |
| Participation | 10% |
| Total | 100% |

Grades will be awarded as follows:

| Percentage | Grade |
|-------------|-------|
| > 93% | A |
| 90 – 92.99% | A- |
| 86 – 89.99% | B+ |
| 83 – 85.99% | B |
| 80 – 82.99% | B- |
| 76– 79.99% | C+ |
| 73 – 75.99% | C |
| 70 – 72.99% | C- |
| 66 – 69.99% | D+ |
| 63 – 65.99% | D |
| 60 – 62.99% | D- |
| < 60% | E |

Please note that grades are not “rounded” in any way at the end of the term.

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For general information about grading and grading policy at the University of Florida, please refer to: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

EXAMS

- There will be two in-class exams during the semester.
- The exams may consist of multiple-choice, problem-solving, and short-answer questions.
- The exams may be based on material covered in class, material from the textbook, or concepts implied by the material covered.
- All exams are closed book.
- The exam dates are tentatively scheduled as follows:
 - **Exam 1: February 29th, 2024**
 - **Exam 2: April 23rd, 2024**

Note: Posted exam dates are subject to change, it is your responsibility to listen to class announcements and check e-Learning for any changes in exam dates.

PROBLEM SETS

- The problem sets are designed to allow you to review and enhance the material learned in class.
- There will be 5 assignments throughout the semester.
- Each problem set is worth 5%.
- Please submit electronic copies of your problem set through Canvas (either handwritten and scanned, or neatly typed) before they are due.
- Late assignments will not be accepted.

IN-CLASS QUIZZES

- Quizzes will be administered during class throughout the semester.
- Written answers will be collected during class.
- There will be 12 in-class quizzes throughout the semester.
- Each quiz is worth 1%.
- Your 2 lowest quiz scores will be dropped.

PARTICIPATION

- We will be utilizing in-class activities and games to demonstrate course concepts throughout the semester. Your participation in these games and activities will earn you participation grade(s) for that day.
- Every individual game/activity will be weighted equally in your overall participation score.
- Your 2 lowest participation grades will be dropped.

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ATTENDANCE AND MAKE-UP WORK

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/> In general, you are expected to be in class each day and submit all work on time on e-Learning.

APPROXIMATE COURSE OUTLINE BY WEEK

| Week | Tuesday | Thursday | Topic |
|--------|---------------|---------------|---|
| 8-Jan | | | Class Introduction |
| 15-Jan | | PS 1 | Economic Efficiency |
| 22-Jan | | | Market Failures |
| 29-Jan | | PS 2 | Public Goods |
| 5-Feb | | | Solutions to Market Failures I |
| 12-Feb | | PS 3 | Solutions to Market Failures II |
| 19-Feb | | | Command-and-Control vs. Market-based Policy |
| 26-Feb | Exam 1 Review | Exam 1 | Exam 1 |
| 4-Mar | | | Measuring Costs |
| 11-Mar | No Class | No Class | Spring Break |
| 18-Mar | | | Evaluating Benefits |
| 25-Mar | | PS 4 | Benefit-Cost Analysis |
| 1-Apr | | | Dynamic Efficiency |
| 8-Apr | | PS 5 | Renewable and Non-renewable Resources |
| 15-Apr | | Exam 2 Review | Sustainability |
| 22-Apr | Exam 2 | No Class | Exam 2 |

All problem sets are due by midnight on the assigned date. There will be quizzes on select lecture dates that do not have a problem set or exam due.

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SUPPLEMENTAL INFORMATION

Accommodations for Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center. [Click here to get started with the Disability Resource Center.](#) It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Online Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here for guidance on how to give feedback in a professional and respectful manner.](#) Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl. [Summaries of course evaluation results are available to students here.](#)

Academic Honesty

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. [Click here to read the Honor Code.](#) Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Student Privacy

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see the [Notification to Students of FERPA Rights.](#)

Campus Resources:

Health and Wellness

U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit [U Matter, We Care website](#) to refer or report a concern and a team member will reach out to the student in distress.

Counseling and Wellness Center: [Visit the Counseling and Wellness Center website](#) or call 352-392-1575 for information on crisis services as well as non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or [visit the Student Health Care Center website.](#)

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University Police Department: [Visit UF Police Department website](#) or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [Visit the UF Health Emergency Room and Trauma Center website.](#)

Academic Resources

E-learning technical support: Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.

Library Support: Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.

Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.

Student Complaints On-Campus: [Visit the Student Honor Code and Student Conduct Code webpage for more information.](#)

On-Line Students Complaints: [View the Distance Learning Student Complaint Process.](#)