



ECP 4314

Natural Resource Economics

Section: RVC

Internet/Fully Online

Fall Term 2025

Course Time Zone | Eastern Time (ET). Course due dates are according to this time zone.

Professor Information

Risa Perea

Roles: Primary Instructor

Email: rperea@fiu.edu

Response Time: 2 working days

Phone: 7864236194 (No calls after 8 pm eastern time)

Office Hours: By Appointment; Use Canvas Inbox to request an appointment.

Office Location: Zoom Meeting Room

Department or Academic Unit: Economics

Course Prerequisites

Course prerequisites, if any, are listed below.

Prerequisites: ECP3302, ECO3101 or permission of the instructor.

Course Description and Purpose

In this fully online course, students will learn to apply neoclassical economic theory to environmental topics and become familiar with economic tools and techniques that are used in managing natural resources. Students will become familiar with markets for natural resources, renewable and nonrenewable resource harvesting and management, and public policy options for influencing resource consumption and their environmental implications.

Textbook and Course Materials

ENVIRONMENTAL+NATURAL RESOURCE ECON.

Required/Recommended: Recommended

Authors: Tom Tietenberg and Lynne Lewis

Publisher: Routledge

Publication Date: July 31, 2023

Copyright Date: N/A

ISBN 10: 1032101180

ISBN 13: 978-1032101187

Notes: 12th Edition

Panther Book Pack

The Panther Book Pack rental program provides your required print and digital course materials at a flat rate of \$20 per undergraduate credit hour. When you registered for your classes this session, you were notified via email of the required course materials that are included in the Panther Book Pack.

Make sure to review the pricing for all materials across your classes this semester and compare the cost to the Panther Book Pack flat rate. If the Panther Book Pack is not your

best option, you may opt out up to three days after the add/drop deadline. The deadline to opt back into the Panther Book Pack is also three days after the add/drop deadline.

If you do not opt out of the Panther Book Pack rental program, you will be charged \$20 per undergraduate credit hour for which you are registered and the course materials will be reserved in your name. For more details and to learn how to access your course materials, visit onestop.fiu.edu/bookpack.

Student Learning Outcomes/Objectives

Student learning outcomes allow faculty to assess the level of proficiency in content knowledge and skills that their students acquire in a course.

If the objective meets a special designation, you will see the code after the objective:

University Core Curriculum: UCC

Gordon Rule Writing: GRW

Global Learning: GL

Civic Literacy: CL

- Students will apply economic principles to environmental topics, including scarcity, efficiency, trade-offs, and resource allocation.
- Students will analyze theory and evidence regarding natural resource management and environmental policy.
- Students will identify economic tools and models for assessing environmental issues.

Expectations of this Course

This is an online course, which means most (if not all) of the course work will be conducted online. Expectations for performance in an online course are the same as a traditional course. In fact, online courses require a degree of self-motivation, self-

discipline, and technology skills which can make these courses more demanding for some students.

Students are expected to:

- **review the getting started** page located in the course modules;
- **introduce yourself to the class** during the first week by posting a self-introduction in the appropriate discussion;
- **take the practice quiz** to ensure that your computer is compatible with the learning management system, Canvas;
- **interact** online with instructor and peers;
- **review** and follow the course calendar and weekly outlines;
- **log in** to the course **2 times** per week;
- **respond** to discussions by the due date specified. **No late work will be accepted;**
- **respond** to **emails** within **2 days**;
- **submit** assignments by the corresponding deadline.

The instructor will:

- log in to the course 2 times per week;
- respond to **emails** within **48 hours**;
- grade assignments and/or provide feedback within **3 days** of the assignment deadline.

Course Communication

Communication in this course will take place via the Canvas Inbox. Check out the [Canvas Conversations Tutorial](#) or [Canvas Guide](#) to learn how to communicate with your

instructor and peers using Announcements, Discussions, and the Inbox. I will respond to all correspondences within 24 hours.

Policies & Resources

Before starting this course, please review the Policies & Resources Page in Canvas which includes comprehensive information on various University and Course Level Policies such as:

- University Policies
- Accessibility and Accommodations
- Online Etiquette
- Technical Requirements and Skills
- Computer & Digital Literacy Skills
- Course Technology Accessibility Statements and Privacy Policies
- Academic Integrity
- Copyright Statement
- Core Principles of This Course
- Nondiscrimination Statement
- Panthers Care & Counseling and Psychological Services (CAPS)
- Fair Use Policy

Assignments & Assessments

In the absence of valid and documented extenuating circumstances, late submission of assignments, quizzes, and exams is **not** permitted.

Homework

- Homework will be assigned and submitted on Canvas
- Assignments can be worked on in groups but each student must submit their assignment individually
- Assignment instructions and rubric will be available on Canvas

Quizzes

In order to mitigate any issues with your computer and online assessments, it is very important that you take the Practice Quiz from each computer you will be using to take your graded quizzes and exams. Assessments in this course are not compatible with mobile devices and should not be taken through a mobile phone or a tablet.

- Quiz 1 and Quiz 2 will be conducted on Canvas
- Quizzes will be available for completion for one week

Proctored Exams

This course has two exams. Students must take the exam with an approved virtual proctoring service (ie.Honorlock). See <https://fiuonline.fiu.edu/current-students/resources/proctored-exams.php> for more details.

Make-up exams are ONLY provided at the discretion of the instructor following written request indicating extenuating circumstances with validating documentation of the event precluding attendance on the scheduled exam date. The instructor holds the right to accept or deny the student's request.

Grading

Course Grades Distribution Table

Course Requirements	Number of Items	Weight	Total Weight
Homework	5	5	25%
Quizzes	2	12.5	25%
Midterm	1	25	25%
Final	1	25	25%
Total			100%

Letter Grade Distribution Table

Letter Grade	Sample Range %
A	95 - 100
A-	90 – 94.99
B+	87 – 89.99
B	83 – 86.99
B-	80 – 82.99

Letter Grade	Sample Range %
C+	77 – 79.99
C	70 – 76.99
D	60 – 69.99
F	0 – 59.99

Schedule of Topics

Week	Topic	Assignment
Week 1	Introduction	
Week 2	Chapter 2: The Economic Approach	
Week 3	Chapter 3: Evaluating Trade-offs	Homework 1
Week 4	Chapter 4: Valuing the Environment	
Week 5	Chapter 6: Depletable Resource Allocation	Homework 2
Week 6	Chapter 7: Energy	
Week 7	Review	Quiz 1
Week 8		Midterm
Week 9	Chapter 11: Forests	
Week 10	Chapter 14: Pollution Control	Homework 3
Week 11	Chapter 15: Air Pollution	
Week 12	Chapter 18: Water Pollution	Homework 4

Week 13	Chapter 19: Toxic Substances and Environmental Justice	
Week 14	Chapter 20: Sustainable Development	Quiz 2
Week 15	Review	
Week 16		Final

This is a tentative outline of the course. It is subject to change with written notice.

Nondiscrimination Statement

The **Office of Civil Rights Compliance and Accessibility** (CRCA) is responsible for ensuring that FIU maintains a workplace and learning environment free from discrimination, where current and prospective faculty, staff, and students are treated equitably. If any student, employee, or applicant has a sincere and reasonable belief that they have been discriminated against or harassed based on age, color, disability, marital status, ethnic or national origin, race, religion, retaliation, sex, or any other protected category, they can report their concerns to the CRCA team through report.fiu.edu.