暨南大學
JINAN UNIVERSITY

0201E322

Environmental Economics

Instructor: TBA

Time: December 14, 2026 - January 15, 2027

Office Hours: by appointment

Contact Hours: 60

Credits: 4

E-mail: TBA

Course Description

This course examines the economic principles underlying environmental regulation and explores the effectiveness of different policy approaches to pollution control, resource management, and sustainability. We will analyze the political economy of environmental regulation, compare command-and-control versus incentive-based policies, and evaluate real-world applications of environmental laws and market-based mechanisms.

Prerequisites

0201E317 Mathematics for Economics I, 0701M110 Calculus I, and 0201E350 Intermediate Microeconomics

Course Goals

By the end of the course, students will be able to:

- Explain the core economic concepts of externalities, public goods, and market failure as they relate to environmental problems.

- Analyze and compare the efficiency, cost-effectiveness, and political feasibility of major policy instruments, including standards, taxes, subsidies, and tradable permit systems.
- Apply benefit-cost analysis and other economic tools to evaluate real-world environmental regulations and projects.
- Critically assess the role of institutions, political forces, and ethical considerations in the design and implementation of environmental policy.
- Synthesize economic theory and case studies to formulate coherent policy recommendations for contemporary issues.

Course Outline

- Module 1: Economic Perspective on Environmental Protection
- Module 2: Pollution and Resource Degradation as Externalities
- Module 3: The Efficiency Standard
- Module 4: Measuring the Benefits and Costs of Environmental Protection
- Module 5: The Safety Standard
- Module 6: The Sustainability Standard and Measurement
- Module 7: Environmental Regulation: Theory and Practice
- Module 8: Incentive-Based Regulation: Theory and Practice
- Module 9: Energy Policy and the Future

Grading Policy

The course grade comprises three components: quizzes, a research essay, and a final exam.

Quizzes (30% of final grade): There are nine quizzes, one for each module.

Research Project (40% of final grade): This project requires you to apply the economic theories or principles learned in class to a real-world environmental issue of your choice.

Final Exam (30% of final grade): This is a closed-book, cumulative examination covering all material from the course. The final exam will be proctored online.

Grading Scale

The instructor will use the grading system as applied by JNU:

Definition	Letter Grade	Score
Excellent	A	90~100
Good	B	80~89
Satisfactory	C	70~79
Poor	D	60~69
Failed	E	Below 60

Academic Integrity

As members of the Jinan University academic community, students are expected to be honest in all of their academic coursework and activities. Academic dishonesty, includes (but is not limited to) cheating on assignments or examinations; plagiarizing, i.e., misrepresenting as one's own work any work done by another; submitting the same paper, or a substantially similar paper, to meet the requirements of more than one course without the approval and consent of the instructors concerned; or sabotaging other students` work within these general definitions. Instructors, however, determine what constitutes academic misconduct in the courses they teach. Students found guilty of academic misconduct in any portion of the academic work face penalties that range from the lowering of their course grade to awarding a grade of E.