



蘇州大學
Soochow University

Soochow University

ECO 270 Environmental and Resource Economics

Summer 2021

Course information

Course Credits: 4

Contact Hours: 55 hours

Class Time: 8:30 - 10:20

Instructor: TBA

Course Format: Online

Course Description

This course will provide a basic introduction to environmental and resource economics in Canada. By taking this course, students will learn about the basic principles of environmental economics. It emphasizes on the way that human decisions affect the quality of the environment. Topics in this course will focus on efficiency and market failure, tax, tradable permits, control policy, cost-benefits analysis, etc. Students will develop perception about environmental economics development and protection.

Prerequisite(s)

None



Learning Objectives

Upon completion of this course, students will be able to:

1. Comprehend the theories and concepts of environmental economics;
2. Apply the principle of environmental economics in real life;
3. Explain how human decisions affect the quality of environment;
4. Describe how human demands are affected by values and institutions;
5. Show understanding of control policy on environment protection.

Methodology

Methodology	Hours	Hours of work During class	Hours of work After class
Online Video	50	88 hours (60%)	
Online Forum Discussion	8		
Assessment	30		
Personal study	30		68 hours (40%)
Tasks	22		
Practical teaching preparation	10		
Bibliographic search	6		
Total	156	88	68

Textbook(s)

Barry C. Field, Nancy D. Olewiler, 2015, *Environmental Economics*, 4th Edition, McGraw Hill Ryerson Limited Press.



Tasks and Evaluation

Attendance	10%
4 Assignments	20% (5% for each)
Midterm Test	30%
Final Exam	40%

Students are required to attend online classes on the scheduled time. Missing classes without permission will lead to decrease in overall grade.

- Missing less than two classes: no penalty.
- Missing more than two classes: 7% will be taken off from the overall grade.

Online forum discussion is required. Students are required to post at least one question and answer at least one question on the forum weekly.

Online Tutorials are mandatory. Students will read and discuss academic articles provided. Students will also discuss the case studies for the week's lectures. Each Tutorial will be 1 hour.

All exams will be held online and the time of each exam will be limited to 1 hour. Exams must also be taken at the scheduled time. There will be no make-up exams



Rating system:

1. Assessment

ASSESSMENT ITEM	PERCENT OF FINAL GRADE
Attendance	10%
4 Assignments	20% (5% for each)
Midterm	30%
Final exam	40%

2. Grading Scale

A+ 96-100	A 90-95	A- 85-89
B+ 82-84	B 78-81	B- 75-77
C+ 71-74	C 66-70	C- 62-65
D 60-61	F < 60	

Course Content

Week	Lesson	Content
1	1	Course Introduction
	2	Economy and the Environment
	3	Analytical Tools
	4	Benefits and Costs, Supply and Demand
	5	Economic Efficiency and Markets Assignment 1 due
2	6	Economics of Environmental Quality
	7	Environmental Analysis
	8	Frameworks of Analysis
	9	Benefit-Cost Analysis: Benefits



	10	Benefit-Cost Analysis: Costs Assignment 2 due
3	11	Midterm Test
	12	Criteria for Evaluating Environmental Policies
	13	Decentralized Policies: Liability Laws, Property Rights, Voluntary Action
	14	Command-and-Control Strategies: The Case of Standards
	15	Incentive-Based Strategies: Emission Charges and Subsidies Assignment 3 due
4	16	Incentive-Based Strategies: Transferable Discharge Permits Section
	17	Control Policy on Water Pollution
	18	Control Policy on Air Pollution
	19	Policy on Toxic and Hazardous Substances
	20	State and Local Environmental Issues Section Assignment 4 due
5	21	Comparative Environmental Policies
	22	Economic Development and the Environment
	23	The Global and International Environment
	24	Final Exam Reviews
	25	Final Exam



蘇州大學
Soochow University

University Regulations and Services

Soochow University highly values the academic integrity and aims to promote the academic fairness, honesty and responsibility. Any academic dishonesty behaviors and any attempts to cheats and plagiarism will be reported to the university administration office. A written warning and the relevant penalties will be imposed. The record might be shown on the official university transcript.

Soochow University also highly respects students' accommodation for disabilities and religions. You might contact the Student Accessibility Office if you have any questions, concerns or if you would like to report any offensive behaviors.

Note:

Please contact the University Administrative Office immediately if you have a learning disability, a medical issue, or any other type of problem that prevents professors from seeing you have learned the course material.