COURSE DETAIL

RESOURCE & ENVIRONMENTAL ECONOMICS
Country Korea, South
Host Institution Yonsei University
Program(s) Yonsei University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Economics
UCEAP Course Number 116
UCEAP Course Suffix
UCEAP Official Title RESOURCE & ENVIRONMENTAL ECONOMICS
UCEAP Transcript Title ENVIRONMENTAL ECON
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course explores the intersection of economics and environmental challenges, equipping students with theoretical frameworks and empirical tools to address pressing environmental issues. The course covers the role of economics in environmental issues, market process modeling, market failure analysis (e.g., air quality markets and externalities), and policy approaches including command-and-control, market-based solutions, risk analysis, and cost-benefit analysis. Students also examine real-world cases such as air pollution (defining air quality, controlling mobile and stationary sources, ozone depletion, and climate change), water pollution (quality, point and non-point sources, safe drinking water), and solid waste and toxic substance management. The course concludes with a focus on sustainable development, including SDGs and climate change issues. The teaching methodology integrates theoretical lectures with case studies, supplemented by contemporary examples such as COP21, the U.S. withdrawal from the Paris Agreement under Trump, and comparisons of BMW's environmental initiatives and scandals.

Prerequisites: Microeconomics and Macroeconomics

Language(s) of Instruction
English

Host Institution Course Number
ECO3109

Host Institution Course Title
RESOURCE & ENVIRONMENTAL ECONOMICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

Print