

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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