

COURSE DETAIL

THE ECONOMICS OF CLIMATE CHANGE

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics

UCEAP Course Number

137

UCEAP Course Suffix**UCEAP Official Title**

THE ECONOMICS OF CLIMATE CHANGE

UCEAP Transcript Title

ECON CLIMATE CHANGE

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course investigates the economic aspects of climate change and the economics of climate policy in a global perspective. It starts with a brief introduction to the key economic concepts which are useful to analyze the climate change problem (e.g., efficiency and optimality, externalities and public goods, property rights, market failure). The course then discusses the issues around international environmental problems from a game theory perspective. It analyzes several pollution control instruments, with a particular focus on the use of tax incentives and marketable permits to control emissions of greenhouse gases. The overall mitigation/adaptation problem is addressed; the implications of choosing the appropriate social discount rate are discussed. The final part of the course addresses specific issues such as the role of energy prices and the transition to renewable energy; the situation and role of developing countries. The latter includes ethical principles underlying equity and environmental justice considerations in a North-South perspective.

Language(s) of Instruction

English

Host Institution Course Number

NIFK13006U

Host Institution Course Title

THE ECONOMICS OF CLIMATE CHANGE

Host Institution Campus

Science

Host Institution Faculty

Host Institution Degree

Host Institution Department

Food and Resource Economics

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