COURSE DETAIL

CLIMATE CHANGE ECONOMICS

Country
Italy

Host Institution
University of Commerce Luigi Bocconi

Program(s)
Bocconi University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Economics

UCEAP Course Number
149

UCEAP Course Suffix

UCEAP Official Title
CLIMATE CHANGE ECONOMICS

UCEAP Transcript Title
CLIMATE CHNG ECON

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course examines the key role of economic activities as a driver of climate change and how economic tools can be used to investigate this problem and to design climate policies. In order to deal with the problem of climate change, students have to rethink some key economic concepts such as efficiency, externality, intertemporal decision making under uncertainty, and welfare aggregation, from a new and more applied perspective. Students also become familiar with key tools for climate change and long term energy policy making: integrated assessment models. The general mechanism of these tools are learned through applications like the role of innovation in the energy sector, game theory and the (in)stability of international climate agreements, and how the inclusion of uncertainty affects optimal policies and investment decisions. The course discusses topics including and introduction to the climate change challenge, integrated assessment models, making decisions about the environment (cost benefit and cost effective analysis), who is the social planner? (Inter-temporal and social aggregation issues), modeling technological change and climate mitigation technologies, valuation methods (valuing the market and non-market benefits of avoided climate change), environmental policy making, and international environmental agreements.

Language(s) of Instruction
English

Host Institution Course Number
30387

Host Institution Course Title
CLIMATE CHANGE ECONOMICS

Host Institution Course Details
https://didattica.unibocconi.eu/ts/tsn_anteprima.php?cod_ins=30387&anno=2022&or…

Host Institution Campus
Bocconi University

Host Institution Faculty
Host Institution Degree
Host Institution Department Economics
Course Last Reviewed 2021-2022

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