

# 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? (Intertemporal 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\\_anteprema.php?cod\\_ins=30387&anno=2022&or...](https://didattica.unibocconi.eu/ts/tsn_anteprema.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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