

## COURSE DETAIL

### ENERGY AND ENVIRONMENTAL ECONOMICS AND POLICY

**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**

155

**UCEAP Course Suffix****UCEAP Official Title**

ENERGY AND ENVIRONMENTAL ECONOMICS AND POLICY

**UCEAP Transcript Title**

ENVIRN ECON&POLICY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

The ability of the natural environment to dispose the waste of anthropogenic activities (keeping unchanged degree of regeneration) is not infinite (downstream “scarcity”). This kind of “scarcity” justifies using the tools of economic theory to face environmental problems. In this regard, two circumstances should be adequately emphasized. Firstly, today the most important (at least perceived) environmental problem is climate change due to the anthropogenic emissions of carbon dioxide. Secondly, more than 80% of carbon emissions are due to energy production and consumption. As a consequence, fighting climate change requires to adequately study the interaction between energy and environmental issues with the aim to understand how to mitigate global warming through (but not only) the decarbonization of energy supply. The analysis of this interaction is the principal mission of this course. The course is divided into three parts: 1) The first part focuses on how economic theory can help policymakers to design environmental policies. The main environmental tools are described and analyzed (environmental taxation, emissions trading, standards, voluntary agreements, etc.); 2) the second part introduces the main energy markets (crude oil, natural gas, coal, nuclear power and renewable energy). Great attention is dedicated to the perspectives of deployment of Renewable Energy Sources (RES), their competitiveness and the possible supporting mechanisms (quantity, pricing and hybrid supporting mechanisms); 3) The third part focuses on the policies aimed to achieve the net zero emission target, especially at the EU level.

## Language(s) of Instruction

English

## Host Institution Course Number

30648

## Host Institution Course Title

ENERGY AND ENVIRONMENTAL ECONOMICS AND POLICY

## Host Institution Course Details

[https://didattica.unibocconi.it/ts/tsn\\_anteprima.php?cod\\_ins=30648&anno=2025](https://didattica.unibocconi.it/ts/tsn_anteprima.php?cod_ins=30648&anno=2025)

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

Social and Political Sciences

**Course Last Reviewed**

2024-2025

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