

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Social and Political Sciences

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