



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Enviromental and Energy Economics

2122-1-F7501Q076

Aims

The course aims at delivering the basic microeconomic tools _____

Contents

The course consists of two fundamental parts: the first one focuses on energy economics, starting from the _____

According to the latter issue, the recent energy markets liberalization process, its outcomes and constraints will be _____

Features and functioning of power, oil and gas markets, will be highlighted, paying particular attention to access ____

The second part of the course will be devoted to the main issues of environmental eco. _____

The functioning of the main environmental markets will be explained and analysed.

Detailed program

FIRST PART - Energy Economics

1. Analysis of the current international energy context
2. Reserves, resources and Hubbert's peak
3. Renewables and non-renewables
4. The price of stock energy sources
5. Energy policy and liberalisation process
6. The national energy balance
7. Energy Efficiency
8. Energy demand and its determinants
9. The natural gas market

SECOND PART - Environmental economics

1. Economic growth and environment
2. The concepts of environment and sustainable development
4. Market failures: externalities and public goods
5. Environmental policy economic and non-economic instruments (centralised and non-centralised)
6. Environmental markets
7. Environmental goods evaluation methodologies
8. The Life Cycle Assessment (LCA) of environmental burdens
9. Cost/benefit analysis (CBA)
10. The Kyoto Protocol and climate change

Prerequisites

None

Teaching form

Classes, 8 credits - 64 hours

If necessary the teaching will be transformed in online classes, following the University guidelines.

Textbook and teaching resource

References:

Energy economics: Ferdinand E. Banks, Energy and Economic Theory, World Scientific Editions, 2015.

Environmental economics: R.K. Turner, D.W. Pearce, I. Bateman, Economia ambientale, Il Mulino, 2003.

Supplementary online material will be provided on the e-learning platform

Semester

Second term

Assessment method

The exam will be held exclusively in viva _____

The knowledge required to sustain the test are represented by those acquired during _____

Students may submit a written essay on a topic analyzed during classes.

The assessment will be based on the completeness of the preparation, on the degree of understanding of the _____

Adequate weight will also be given to the candidate's language skills and exhibition capacity.

Office hours

Tuesday at 15, room 3076, building U6- 3rd floor

Online meetings can be arranged upon request.
