

## Environmental and Energy Policy (F000679)

Due to Covid 19, the education and assessment methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 6.0**

**Study time 180 h**

**Contact hrs**

45.0h

**Course offerings and teaching methods in academic year 2021-2022**

B (semester 1)

English

Gent

online lecture

0.0h

lecture

30.0h

**Lecturers in academic year 2021-2022**

Albrecht, Johan

EB21

lecturer-in-charge

**Offered in the following programmes in 2021-2022**

**crdts**

**offering**

Master of Science in Teaching in Economics(main subject Economics)

6

B

Master of Science in Complementary Studies in Economics

6

B

Master of Science in Economics

6

B

Exchange programme in Economics and Business Administration

6

B

**Teaching languages**

English

**Keywords**

Energy policy, climate policy, energy transition, electricity markets, technological innovation, renewable energy, electricity markets, sustainability of consumption patterns

**Position of the course**

This course develops an economic analysis of environmental and energy policy goals. We focus on the - often unexpected - complexities as well as opportunities for policymakers. The impact of policy instruments is assessed from a good understanding of the supporting markets. The analysis of climate and renewable energy targets is based on the prevailing dynamics on electricity markets in the EU: the interactions between policy choices and technological dynamics (applied to renewable energy technologies) is emphasized.

**Contents**

- 1 economic efficiency as a policy concept ; policy instruments and markets
- 2 some paradoxes of environmental and energy policy
- 3 institutional analysis of the interactions between policy instruments and technological innovation, applied to recent European climate and energy policies (EU 20/20/20, Emissions Trading Scheme, ...)
- 4 sustainability of consumption patterns (focus on nutrition)

**Initial competences**

Introduction to economics.

**Final competences**

- 1 Explaining the relevance of economic efficiency in the policy process  
policy instruments with respect to specific goals
- 2 Disentangling complex cases to a set of basic interactions evaluating
- 3 To evaluate different policy instruments for different policy objectives
- 4 Applying theoretical concepts in actual cases of policy evaluation

**Conditions for credit contract**

Access to this course unit via a credit contract is determined after successful competences assessment

### **Conditions for exam contract**

This course unit cannot be taken via an exam contract

### **Teaching methods**

Online lecture, Guided self-study, Lecture

### **Extra information on the teaching methods**

Ex cathedra teaching for the theoretical introduction.

Due to corona constraints, digital classes and discussions can be organized.

Part of the course material can be offered as organized self-study.

### **Learning materials and price**

A bundle of material (handouts, background documents, papers,...) will be available at the Ufora platform.

### **References**

Thomas Sterner and Jessica Coria (2012). Policy Instruments for Environmental and Natural Resource Management, Second Edition (RFF Press, New York, London)

Jean Tirole (2017). 'Economics for the Common Good', Princeton University Press

Dieter Helm (2012). The Carbon Crunch: How We're Getting Climate Change Wrong - and How to Fix it (Yale University Press)

### **Course content-related study coaching**

#### **Assessment moments**

end-of-term assessment

#### **Examination methods in case of periodic assessment during the first examination period**

Written examination

#### **Examination methods in case of periodic assessment during the second examination period**

Written examination

#### **Examination methods in case of permanent assessment**

#### **Possibilities of retake in case of permanent assessment**

examination during the second examination period is possible

#### **Extra information on the examination methods**

Written exam (closed book)

#### **Calculation of the examination mark**

End-of-term evaluation; written exam