

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
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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