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Cursus	Sem.	Туре	Language of	English
Civil & Environmental Engineering		Obl.	teaching	Linglion
			Credits	2
			Session	
			Exam	Written
			Workload	60h
			Hours	29
			Courses	24
			Exercises	3
			TP	2
			Number of	
			positions	

Frequency

Every 2 years

Remark

Next time: Every two years / Next time spring 2020. Min 5 participants

Summary

Economic analysis (supply, demand, prices, elasticities), applied to environmental issues: externalities, instruments of environmental regulation (voluntary approaches, incentive taxes, emissions markets), assessment of economic impacts and valuation of natural resources, cost-benefit analysis.

Content

Introduction to economics: supply, demand, markets and prices (3 periods, PT) Environmental goods and environmental policy (6 p, MV) Emissions trading (3 p, FV) Economic decision making, in particular cost-benefit analysis (3 p, PT) Assessment of economic impacts and valuation of natural resources (6 p, PT) Decisions under uncertainty, economics of innovation (3 p, FV) Environmental policy-making (3 p, PT)

Note

It will be organised in half-days on Thursday mornings during the spring semester. It will only be given for a minimum of 5 students.

Keywords

Environmental economics, environmental policy, cost-benefit analysis

Learning Outcomes

By the end of the course, the student must be able to:

- to understand the basic mechanisms of markets
- to explain the differences between the main types of instruments of environmental policy
- to explain the workings of these instruments

Resources Bibliography



Bontems, P. and G. Rotillon (2013). L'Economie de l'Environnement, La Découverte Sterner, T. and J. Coria (2012). Policy Instruments for Environmental and Natural Resource Management. Washington, DC, USA, RFF Press / Routledge

Ressources en bibliothèque

- Bontems and Rotillon (2013). L'Economie de l'Environnement
- Sterner and (2012). Policy Instruments for Environmental and Natural Resource Management

Websites

http://leure.epfl.ch/education