Cours: Génie civil & environnement
Sem.: Obl.

Language: English
Credits: 2
Session: Written
Exam: 60h
Workload: 29
Lecture: 24
Exercises: 3
Practical work: 2
Number of positions: Every 2 years

Frequency
Every 2 years

Remarque
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

Ressources en bibliothèque

- Bontems and Rotillon (2013). L'Economie de l'Environnement

Websites

- http://leure.epfl.ch/education