

Environmental Economics (F000543)

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

Credits 5.0 Study time 150 h Contact hrs 45.0 h

Course offerings and teaching methods in academic year 2018-2019

A (semester 1) Dutch lecture 45.0 h

Lecturers in academic year 2018-2019

Albrecht, Johan EB21 lecturer-in-charge

Offered in the following programmes in 2018-2019

	crdts	offering
Bachelor of Science in Economics	5	A
Bachelor of Science in Business Economics	5	A
Master of Science in Business Engineering (main subject Data Analytics)	5	A
Master of Science in Business Engineering (main subject Finance)	5	A
Master of Science in Business Engineering (main subject Operations Management)	5	A
Linking Course Master of Science in Economics	5	A
Preparatory Course Master of Science in Economics	5	A

Teaching languages

Dutch

Keywords

Environmental economics, economic analysis, environmental policy, economic instruments

Position of the course

The course presents an economic analysis of environmental problems. Building blocks are the undersupply of public goods, the theory of externalities and market failure versus government failure. With respect to policy analysis, the use of instruments in environmental policy (technical regulation, charges, systems of emissions trading and voluntary agreements) is assessed.

The course material consists of an own syllabus and a selection of recent books (or parts of) and articles.

Contents

The following topics are dealt with:

- 1 What is environmental economics
- 2 Valuing the environment: concepts and methods
- 3 Property rights, externalities and Environmental problems
- 4 Economic instruments for environmental policy

Initial competences

An introductory course of economics and micro-economics.

Final competences

- 1 Being able to apply economic analysis on various environmental problems.
- 2 Being able to assess market failure with respect to environmental policy.
- 3 Being able to compare different instruments for environmental policy.

Conditions for credit contract

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

assessment

Conditions for exam contract

Access to this course unit via an exam contract is unrestricted

Teaching methods

Lecture

Extra information on the teaching methods

Ex cathedra teaching. Students are invited to discussion.

Learning materials and price

Own syllabus (available on Minerva) + parts of books and articles

References

- Philip E.Graves (2014). 'Environmental Economics, An Integrated Approach', CRC Press, Taylor & Francis
- 'Environmental Economics', C.D.Kolstad (Oxford University Press, 2000)
- 'Environmental and Resources Economics, An Introduction', M.Common, (Longman, 1996)

Course content-related study coaching

The lecturer as well as an assistant can provide additional information for students. Hand-outs will be available through Minerva. Background material will be also be published through the courses Minerva site.

Evaluation methods

end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period

Written examination

Examination methods in case of periodic evaluation during the second examination period

Written examination

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Extra information on the examination methods

Written exam to assess the ability of the student to present an economic analysis of an environmental problem.

The questions will force the student to construct a consistent economic argumentation and to compare various options or approaches.

Calculation of the examination mark

Written exam; 100% of final score