

## Environmental Economics (F000933)

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 4.0**

**Study time 120 h**

**Contact hrs**

45.0h

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

A (semester 1)

Dutch

Gent

lecture

45.0h

**Lecturers in academic year 2021-2022**

Albrecht, Johan

EB21

lecturer-in-charge

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

**crdts**

**offering**

[Bachelor of Science in Business Economics](#)

4

A

[Bachelor of Science in Economics](#)

4

A

[Master of Science in Business Engineering\(main subject Data Analytics\)](#)

4

A

[Master of Science in Business Engineering\(main subject Operations Management\)](#)

4

A

[Linking Course Master of Science in Economics](#)

4

A

[Preparatory Course Master of Science in Economics](#)

4

A

**Teaching languages**

Dutch

**Keywords**

Environmental economics, economic analysis, environmental policy, economic instruments

**Position of the course**

The course presents an interdisciplinary 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 economic, institutional and regulatory instruments in environmental policy (technical regulation, charges, systems of emissions trading, property rights and voluntary agreements) is assessed.

The course material consists of a concise theoretical (neo-classical) syllabus and a selection of recent books (or parts of) and articles.

The books to be discussed in AY 2021-2022 are,

'Material Matters (in Dutch)' by Rau & Oberhuber

'Doughnut Economics' by Kate Raworth

'Het koolstofarme gebouwenpark tegen 2050' by Johan Albrecht

**Contents**

The following topics are dealt with:

1 What is environmental economics

2 Economic analysis in environmental policy

3 Recent environmental challenges

**Initial competences**

An introductory course of economics (focus on 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

(Approved)

**Conditions for exam contract**

Access to this course unit via an exam contract is unrestricted

**Teaching methods**

Online lecture, Guided self-study, Lecture

**Extra information on the teaching methods**

Ex cathedra teaching. Students are invited to discussion.

Digital classes and discussion sessions can be organized (depending on the evolution of corona restrictions).

**Learning materials and price**

Own syllabus (available on Ufora) + books (Material Matters, Doughnut Economics,...) and articles

**References**

- Philip E.Graves (2014). 'Environmental Economics, An Integrated Approach', CRC Press, Taylor & Francis
- Jean Tirole (2017). 'Economics for the Common Good', Princeton University Press

**Course content-related study coaching**

Hand-outs of the classes will be available through Ufora. Background material will also be published on Ufora.

**Assessment moments**

end-of-term and continuous 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**

Assignment

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

examination during the second examination period is possible

**Extra information on the examination methods**

Two individual essays on two of the books that are discussed in the course + written exam

**Calculation of the examination mark**

Final score: 60% written exam + 20% essay 1 + 20% essay 2