

Environmental Economics and Management (F710292)

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

Credits 3.0 **Study time 90 h**

Course offerings and teaching methods in academic year 2025-2026

A (semester 1)	English	Gent	independent work
			group work
			peer teaching
			lecture

Lecturers in academic year 2025-2026

Van Ootegem, Luc	EB21	lecturer-in-charge
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Offered in the following programmes in 2025-2026

	crdts	offering
Bachelor of Science in Business Administration	3	A
Exchange programme in Economics and Business Administration	3	A

Teaching languages

English

Keywords

economics and environment - business - environmental management accounting

Position of the course

The course aims to familiarize students with the interplay between economics (and economic development) and environmental issues. The theoretical objective is to give an in-depth introduction to the principles of environmental and ecological economics. The more practical objective is that students get acquainted with basic concepts related to environmental management and more specifically with environmental management accounting.

Contents

This course has three parts.

- First, we provide a general introduction about environmental and ecological economics (market failure, externalities, government intervention,...).
- Secondly, more specifically related to the interplay between business economics and the environment, students (in groups of about four students) have to examine the environmentally relevant aspects (also cost and benefits) of a company that they choose. This information is presented to the fellow students using a PPP.
- Thirdly, students have to elaborate (individually) on the concept of "environmental management accounting" (EMA) and present for the teacher (in a pitch) the possibilities they found in 'their' company.
- For each of those parts and tasks there is a note provided by the teacher which clarifies the requirements, the goals, the timing, ...

Initial competences

Certain competencies of introductory courses in Economics (micro and macro).

Final competences

- 1 Gain knowledge and insight in the interplay between economics and the environment
- 2 Apply a cost-benefit analysis to the environmentally related decisions of a company
- 3 Be able to differentiate between internal (private) and external (societal) costs

related to environmental issues

4 Develop a critical attitude towards the difference between the interests of the firm and the common good when the economic aspects of environmental issues are investigated

5 Collect relevant information in order to make a judgement about environmental and societal issues

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

Group work, Lecture, Independent work, Peer teaching

Extra information on the teaching methods

First, general lectures about environmental economics. Secondly, the students give a presentation of a case study (peer teaching) about environmental management and accounting in a Flemish firm (group work). Thirdly, examine the application of environmental management accounting (independent work) in a company (individual pitch presentation).

Study material

Type: Slides

Name: PPP for teaching

Indicative price: Free or paid by faculty

Optional: no

Type: Reader

Name: papers and material for teaching

Indicative price: Free or paid by faculty

Optional: no

References

Course content-related study coaching

Questions and discussions during and after the general lectures. Individual coaching (or by mail) about the cases in management accounting.

Assessment moments

continuous assessment

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

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

Examination methods in case of permanent assessment

Participation, Peer and/or self assessment, Written assessment, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Extra information on the examination methods

Written examination about the general lectures on environmental economics shortly after the lectures took place. Presentation of a case study about environmental aspects and costs and benefits in a Flemish company (participation, assignment, peer assessment of the group when necessary). Individual application (pitch) about topics in environmental management accounting applied to the company.

Second term: the presentation of the case study is replaced by an individual assignment. The student has to work on this assignment without supervision. For the parts passed in the first period, the points are used for the second term. The student does not have to retake this part.

Calculation of the examination mark

exam environmental economics (40%) + PPP (group) about a company (30%) + pitch about application EMA in a company (30%)

(Approved)

