



## Environmental Economics

### Miljöekonomi

7.5 credits

7.5 högskolepoäng

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**Ladok Code:** A1ME1B

**Version:** 9.2

**Established by:** Committee for Education in Business and Working Life 2024-06-12

**Valid from:** Autumn 2024

**Education Cycle:** First cycle

**Main Field of Study (Progressive Specialisation):** Economics (G1F)

**Disciplinary Domain:** Social sciences

**Prerequisites:** Passed course in Microeconomics 7.5 ECTS or equivalent.

**Subject Area:** Economics

**Grading Scale:** Seven-degree grading scale (A-F)

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### Content

The course starts with Institutional and Economic explanations to why environmental problems occur. It may involve uncertainties concerning property rights, the existence of public goods and externalities. Then, methods for cost-benefit analysis, taking into account environmental effects and methods of valuation of environmental goods, such as a natural area, are treated. Based on the criteria for sustainable development, the concept of efficiency in the use of finite and renewable resources respectively, is being analyzed. Further, different ecosystem services are treated. Finally, the characteristics of a policy of cost-effective emissions control is discussed.

### Learning Outcomes

The overall aim is to give students an understanding of why market failures with negative environmental impacts occur and to demonstrate the various economic policy measures to counter them.

Upon completion of the course, the student is expected to be able to:

#### *Knowledge and understanding*

- 1.1 explain key concepts in the field of environmental and natural resource economics,
- 1.2 explain why market failures occur ,
- 1.3 describe different methods to value environmental resources,
- 1.4 account for different criteria with respect to sustainable development,

#### *Skills and abilities*

- 2.1 use a theoretical model to analyze the effects of a specific event with impact on the environment or natural resources,
- 2.2 use a theoretical model to analyze the effects of different environmental policies,

#### *Judgement and approach*

- 3.1 by using concepts and theories covered in the course critically analyze;
  - various environmental policies to achieve specific environmental objectives,
  - price development and usage of natural resources.

### Forms of Teaching

Lectures and computer simulations. The literature is in English.

The language of instruction is Swedish. However, instruction in English may occur.

## **Forms of Examination**

The course will be examined through the following examination elements:

### *Individual written exam*

Learning outcomes: 1.1-3.1

Credits: 6

Grading scale: Seven-degree grading scale (A-F)

### *Assignment*

Learning outcomes: 3.1

Credits: 1.5

Grading scale: Fail (U) or Pass (G)

In order to obtain the final grade for the course, the student must pass the written exam (A-E) and the seminar assignment (G). The grade received for the written exam is also the grade for the course.

If the student has received a decision/recommendation regarding special pedagogical support from the University of Borås due to disability or special needs, the examiner has the right to make accommodations when it comes to examination. The examiner must, based on the objectives of the course syllabus, determine whether the examination can be adapted in accordance with the decision/recommendation.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

## **Literature and Other Teaching Materials**

Tietenberg, Tom and Lewis, Lynne (2023), Environmental and Natural Resource Economics, 11th ed., Pearson.

Literature and teaching materials are provided via the learning management system (max 200 pages) .

## **Student Influence and Evaluation**

The course is evaluated in accordance with the school's guidelines, which stipulate that student opinions should be obtained. The results of the evaluation are published and communicated to participating and prospective students in accordance with the guidelines, and will provide the basis for future course and program development.

## **Miscellaneous**

The course is offered as an elective course in the MBA program and as a separate course.