

## Environmental Assessment (I002194)

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

**Credits** 5.0

**Study time** 150 h

**Course offerings in academic year 2024-2025**

A (semester 2)

English

Gent

**Lecturers in academic year 2024-2025**

Zdanowicz, Christian

UPPSAL01 lecturer-in-charge

**Offered in the following programmes in 2024-2025**

[International Master of Science in Sustainable and Innovative Natural Resource Management](#)

**crdts**

5

**offering**

A

**Teaching languages**

English

**Keywords**

**Position of the course**

The course introduces you to the environmental assessment cycle as an organising principle for identifying environmental issues, suggesting different ways to address the issues, and following up progress towards those issues. An introduction is given to assessment methodologies including cost-benefit analyses and environmental quality criteria, with a focus on water and energy issues. You conduct your own analysis of an issue related to environmental assessment and present it to your peers.

**Contents**

Basic theory of science and methodology. The environmental assessment cycle as an organising principle for identifying environmental issues, suggesting different ways to address the issues, and following up progress towards those issues. Introduction to assessment methodologies including cost-benefit analyses and environmental quality criteria. Examples related to water and energy will be used. Students will conduct their own analysis of an issue and present it to their peers.

**Initial competences**

A Bachelor's degree. 180 credits within the natural sciences, technology, the social sciences, jurisprudence or the historical/philosophical subject areas.  
Proficiency in English equivalent to the Swedish upper secondary course English 6.

**Final competences**

- 1 After completion of the course, the student should be able to:
  - describe the decision-making process with regard to environmental issues in the context of sustainable development
- 2 • apply the environmental assessment cycle approach in identifying and resolving environmental problems
- 3 • analyze the evaluation criteria used in environmental decisionmaking using available environmental data
- 4 • evaluate the suitability of different approaches to decision support that provide strategies for addressing environmental problems and related societal issues, with an analysis of advantages and disadvantages from a multidisciplinary perspective.

**Conditions for credit contract**

This course unit cannot be taken via a credit contract

**Conditions for exam contract**

This course unit cannot be taken via an exam contract

**Teaching methods**

Seminar, Lecture

**Extra information on the teaching methods**

Lectures. Project work. Literature studies.

**Study material**

None

**References**

The course literature consists of a collection of scientific articles that are made available at the beginning of the course

**Course content-related study coaching**

**Assessment moments**

end-of-term and continuous assessment

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

Oral assessment, Peer and/or self assessment, Presentation, Assignment

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

Oral assessment, Peer and/or self assessment, Presentation, Assignment

**Examination methods in case of permanent assessment**

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

examination during the second examination period is possible

**Extra information on the examination methods**

The course is graded based on the written and oral presentation of an individual project together with feedback that the student gives on the written assignments of other students.

**Calculation of the examination mark**