AE2501 Environmental Impact Assessment 7.5 credits

Miljökonsekvensbeskrivning

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for AE2501 valid from Autumn 2012

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Built Environment,Environmental Engineering

Specific prerequisites

Proficiency in English (English B or equivalent). Bachelor's degree in the field of civil engineering, environmental engineering, ecology, or another subject with clear relevance to the course, of at least 180 higher education credits.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The aim of the course is to learn the international theory, the practical process, terminology and methods of performing an EIA.

After accomplishing the course activities the student should have a theoretical and conceptual understanding of:

- the key principles of the EIA process,
- the terminology and methods used in EIA,
- the role of EIA in relation to the planning and decision-making process,
- EIA trends and practices in an international perspective,
- the methodological issues related to the performance of EIA,
- quality requierments concerning the EIA process and the Environmental Impact Statement (EIS),
- interdisciplinarity in relation to the performance of EIA.

After fulfilling the course the student should be able to:

- perform the screening and scoping of an EIA, based on existing requirements, evaluate the imapcts and draw meaningful conclusions from the results of the EIA;
- present an appropriate EIS considering the general criteria of consistency, transparency and systematicness;
- perform a critical quality review of an EIA and EIS;
- clarify the concept of EIA and its application in an international context to those involved in or affected by the EIA process;
- structure the EIA working process considering the need for interdisciplinarity;
- interpretate an EIA, present its conclusions and translate its conclusions into actions.

Course contents

The Environmental Impact Assessment (EIA) procedure. EIA in international perspective. EIA as a tool for sustainable development. Review of an EIA document. EIA workshop on a development plan.

Disposition

Lectures, exercises and a field visit.

Course literature

Glasson, J., Therivel, R. and Chadwick, A. Introduction to Environmental Impact Assessment.

Additional material, such as articles and handouts, will be presented during the course.

Examination

- FÄL1 - Excursion, - credits, grading scale: P, F
- TENA - Examination, 3.5 credits, grading scale: A, B, C, D, E, FX, F
- ÖVNA - Exercises, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- ÖVNB - Exercises, 2.5 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Other requirements for final grade

Written examination, participation in workshops and field visit, submitted exercise reports.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.