



# AE241X Degree Project in Geological Engineering, Second Cycle 30.0 credits

Examensarbete inom teknisk geologi, avancerad nivå

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 AE241X valid from Spring 2010

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Built Environment

## Specific prerequisites

The main portion of studies must generally be completed before the degree project work can be started. At least 60 higher education credits must be completed where 30 higher education credits with specialization in the second level within the main field of the study. It is the duty of the examiner to see that the student has the specialization corresponding to that described

above. Exceptions can be made by the person responsible for undergraduate education at the school. The degree project work must normally be carried out during the last term of the programme.

## Language of instruction

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

## Intended learning outcomes

The student should:

- Be able to apply relevant knowledge and skills, within the main field of study, to a given problem.
- Within given constraints, even with limited information, independently be able to analyse and discuss complex inquiries/problems and to handle larger problems on an advanced level within the main field of study.
- Reflect on, evaluate and critically review their own and others' scientific results.
- Be able to document and present their own work with strict requirements on structure, format and language usage.
- Be able to identify one's need for further knowledge and continuously develop their competence.

## Course contents

The Masters thesis should be a part of a deeper study within the program area and be on an advanced level in order to fulfill the demand for a Masters degree in technology. This means that the thesis normally should be carried out within the area that the student has been prepared for. If the student wants to carry out the thesis within a different area this should be approved by the person responsible for the undergraduate education.

## Examination

- XUPP - Examination Question, 30.0 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

Review of two thesis reports. Opposition on one thesis report. Approved report (with respect to content and format) and oral presentation.

## **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.