



# AE2708 Project in Environmental Engineering 7.5 credits

## Projekt i miljöteknik

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 AE2708 valid from Autumn 2013

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Built Environment, Environmental Engineering

## Specific prerequisites

Courses AE2501, and AE2108 + AE2201 or AG2143 + AG2141.

Proficiency in English (English B or equivalent)

## Language of instruction

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

## Intended learning outcomes

The objective of the course is to apply acquired knowledge in a problem-based project. The course provides the students with tools and experience needed to be able to carry out their Master thesis project. After completion of the course the students should be able to:

- Identify a research problem and questions
- Collect relevant information
- Apply their own experience and the acquired knowledge from previous courses
- Analyse and discuss their data
- Find solutions to the research problem and make conclusions

## Course contents

The students work jointly in interdisciplinary teams focusing on a problem-based project. Each of these:

- Identifies a specific task which contributes to the overall project
- Collects relevant information that is needed to analyse the identified problems and possible solutions
- Prepares a solution to the problems that were identified.

In parallel with the project work, seminars with invited lecturers will be offered on specific themes related to the project. An excursion will be arranged in order to illustrate the Swedish experience of problem identification and solution to the chosen problem. Each student shall in the first part of the course prepare an individual assignment related to the chosen focus. At the end each team should hand in a jointly written team report. In addition, each student should make a brief individual assessment of the team report.

## Course literature

Information about the course literature is given at the course start.

## Examination

- PRO1 - Project Task, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO2 - Project Task with Presentation, 4.5 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.

## 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.