



# AE2001 Projekt i miljöteknik

## 15,0 hp

Project Environmental Engineering

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

### Fastställande

Kursplan för AE2001 gäller från och med HT10

### Betygsskala

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

### Utbildningsnivå

Avancerad nivå

### Huvudområden

### Särskild behörighet

AE2501 Environmental Impact Assessment, AE2101 Environmental Dynamics Chemical Processes or AE2201 Environmental Dynamics Physical Processes, AE2301 Water and Waste Handling or AE2503 Environmental Data, AE2104 Environmental Measuring and Monitoring.

### Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

## Lärandemål

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.

## Kursinnehåll

### Kursupplägg

The course is given in collaboration with the course AG2145 Project Sustainable Infrastructure. The students in these two courses work jointly in interdisciplinary teams focusing on a problem-based project.

Each of the teams:

- Identifies a specific task which contributes to the overall project
- Collect 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. A three days excursion will be arranged in order to illustrate the Swedish experience of problem identification and solution of the chosen problem.

Each student shall in the first period prepare an individual assignment related to the chosen focus. At the end of the second period each team should hand in a jointly written team report. In addition, each student should make a brief individual assessment of the team report.

## Examination

- FÄL1 - Exkursion, 3,0 hp, betygsskala: P, F
- INL1 - Projektuppgift, 8,0 hp, betygsskala: A, B, C, D, E, FX, F
- TEN2 - Tentamen, 4,0 hp, betygsskala: A, B, C, D, E, FX, F

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

## Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.