



AG2145 Project Sustainable Infrastructure 15.0 credits

Project Sustainable Infrastructure

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 AG2145 valid from Autumn 2009

Grading scale

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

Education cycle

Second cycle

Main field of study

Built Environment

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 courses is to:

Apply the acquired knowledge and students experiences in a in a research problem-based project related to the development of Biofuel Industry. When completing the course, the students should be able to carry out their Master thesis project in there area of interests.

Students from Environmental Engineering (EE) and Sustainable Infrastructure disciplines has to:

- **Identify** a research problem and questions,
- **Collect** relevant information,
- **Apply** their own experience and the acquired knowledge not only in this course but also from previous courses in the program,
- **Analyze and discuss** their data,
- **Find solutions** to the research problem and **Make conclusion**.

Course contents

Students in this course work with students from AE2001 Project Environmental Engineering in interdisciplinary teams on a problem-based project. The students in this course will particularly contribute with expertise related to natural sciences. Each of the teams:

- 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 proposal for the solution of the problems that were identified.

Parallel with the project work seminars will be offered on specific themes related to the project. Study visits to the study area and the authorities involved in the planning and development of the areas will be organised.

Disposition

Project, 8h excursion, 24h seminars

Specific prerequisites

3 years of university studies in planning, architecture, civil engineering or social science and at least 30 ECTS of coursework on the advanced level relevant for the scope of the course, for example

AG2142 Political Economy for Environmental Planners

AG2143 Sustainable Rural and Urban Development

AG2141 Urban Infrastructure

AG2147 Sustainable Urbanism and Green Metropolitan City Regions

Course literature

To be announced at the beginning of the course

Examination

- FÄLT - Excursion, 3.0 credits, grading scale: P, F
- INL1 - Team Report, 8.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN2 - Individual Assignment, 4.0 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

Individual Assignment (TEN2; 4,0 cr).

Team report (INL1; 8,0 cr).

Excursion (FÄL1; 3,0 cr).

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.