



AG2145 Project Sustainable Infrastructure 15,0 hp

Project Sustainable Infrastructure

Fastställande

Kursplan för AG2145 gäller från och med HT09

Betygsskala

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

Utbildningsnivå

Avancerad nivå

Huvudområden

Samhällsbyggnad

Särskild behörighet

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

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

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**.

Kursinnehåll

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.

Kursupplägg

Project, 8h excursion, 24h seminars

Kurslitteratur

To be announced at the beginning of the course

Examination

- FÄLT - Excursion, 3,0 hp, betygsskala: P, F
- INL1 - Team Report, 8,0 hp, betygsskala: A, B, C, D, E, FX, F
- TEN2 - Individual Assignment, 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.

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

Övriga krav för slutbetyg

Individual Assignment (TEN2; 4,0 cr).

Team report (INL1; 8,0 cr).

Excursion (FÄL1; 3,0 cr).

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.