



AE1708 Innovation Projects for Sustainable Development 7.5 credits

Innovationsprojekt för hållbar utveckling

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 AE1708 valid from Autumn 2014

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

General admission to university studies

Language of instruction

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

Intended learning outcomes

- Describe, debate and discuss what drives economic, social and technological development and how it impacts the environment.
- Analyze and describe what sustainable development stands for environmentally, economically, technically and socially, and how these dimensions are related.
- Identify and apply the knowledge which is beneficial to sustainable development, nationally and globally.
- Apply the logical framework approach in the planning and implementation of projects.
- Plan, implement and report on a group project that results in the implementation of an idea / innovation relating to sustainable development.

Course contents

The course is a project course offered evenings with a focus on sustainable development, entrepreneurship and innovation at the local and global level. The aim is for students to develop a concrete proposal (idea / innovation) that promote the sustainable development of a funded project proposal. This can be a technical application, a method / model, a "mobile application" or the like.

The student group shall prepare a proposal for a "sustainability issue" and then propose a solution, innovation presented in an elaborate project proposal, to be able to participate in a student-driven ideas competition sponsored by the business community.

Disposition

The course is an evening class where speakers from KTH and various government agencies, businesses and organizations will share their knowledge and experience. It is based on a problem-and project-driven learning, which also includes the group to seek partners and financiers in the business world for the project.

The course consists of a lecture block, assignments and a project proposal to be submitted in writing and orally.

The course is given in English.

Examination

- ANN1 - Attendance, 1.0 credits, grading scale: P, F
- INL1 - Assignment, 2.0 credits, grading scale: P, F
- PRO1 - Project Proposal, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminar, 1.5 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.

Other requirements for final grade

ANN1 - Attendance, 1 credit, grades: P, F

INL1 - Assignment, 2.0 credits, Grading: P/ F

PRO1 - Project, 3.0 credits, grading scale: A, B, C, D, E, FX, F

SEM1 - Oral Presentation / Seminar, 1.5 credits, grading scale:

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

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.