



MJ2476 Strategies in the Global Climate Agenda 6.0 credits

Strategier i den globala klimatagendan

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for MJ2476 valid from Autumn 2009

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering, Environmental Engineering

Specific prerequisites

Prerequisites: 45 ECTS from Masterprogram studies in energy, environment or similar areas and the course Energy and Environment MJ2413 or corresponding knowledge including documented proficiency in 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

Upon successfully completing the course, the student should be able to:

- Define and understand climate change from an energy planning perspective
- Define and plan strategies to reduce emissions of greenhouse gases
- Calculate the effect of different measures to reduce the emission of greenhouse gases

Course contents

Utilisation of different tools for calculation of emissions in a context of energy generation and use.

Course literature

Kursen kommer att baseras på

1) Rapporter och vetenskapliga artiklar

2) Instruktioner för mjukvaruanvändning i laborationsövningarna. Beräkningsprogrammen hämtas från IEA och andra organisationer.

1. Reports and scientific publications 2. Instructions for software use for the laboratory exercises. The software to be used is for example a calculation tool from IEA, but also other tools will be introduced.

Examination

- PRO1 - Exam Task, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB2 - Laboratory Work, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 2.0 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.

If the course is discontinued, students may request to be examined during the following two academic years.

- LAB1 - Laboratory Work, 2.0 credits, grade scale: A, B, C, D, E, FX, F
- LAB2 - Laboratory Work, 2.0 credits, grade scale: A, B, C, D, E, FX, F
- PRO1 - Exam Task, 2.0 credits, grade scale: A, B, C, D, E, FX, F

Two larger laboratory exercises of each 2 cr. Exam of 2 cr.

Other requirements for final grade

Completed Laboratory Exercises (Grade A-F) and Exam (Grade A-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.