



MJ2415 Project in Energy Systems Analysis 12.0 credits

Projekt i energisystemanalys

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

Establishment

Course syllabus for MJ2415 valid from Autumn 2019

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

Degree of Bachelor (BSc) or the equivalent. Only for students of the SELECT (TMESM) Master programme

Language of instruction

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

Intended learning outcomes

After passing the course, the students should be able to:

LM1 Design a system from a given problem description

LM2 Carry out analyses of energy systems there the primary energy sources until energy service is included in the system

LM3 Carry out a general commercial analysis of the intended product or the service that the project are thought to result in.

LM4 Orally account for the aim, methodology and result of the work

Course contents

Project work within energy and environmental technology including economy, business and entrepreneurship

Course literature

Varying depending on project task

Examination

- PROA - Final report autumn semester, 4.0 credits, grading scale: A, B, C, D, E, FX, F
- PROB - Final report spring semester, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- INLA - Hand in assignment, 0.5 credits, grading scale: A, B, C, D, E, FX, F
- INLB - Hand in assignment, 0.5 credits, grading scale: A, B, C, D, E, FX, F
- SEMA - Presentation autumn semester, 0.5 credits, grading scale: A, B, C, D, E, FX, F
- SEMB - Presentation spring semester, 0.5 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.

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

With this change, there are no legacy assessments. However, four new assessment items have been included, namely INL1, INL2, SEM1 and SEM2. These course components have however also existed earlier, but then have they been included in the assessment items PRO1 and PRO2. If students who have not completed course with earlier set of assessment items have completed these four assessment items, they can be evaluated based on current grading

criteria. If they have not been completed this has to be done to receive final course grade. If so, SEM1 and SEM2 can be reported individually.

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.