



HS104X Degree Project in Building Services Engineering and Energy, First Cycle 15.0 credits

Examensarbete inom installationsteknik och energi, grundnivå

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

Establishment

The course syllabus is valid from spring term 2020.

Grading scale

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

Education cycle

First cycle

Main field of study

The Built Environment, Technology

Specific prerequisites

A minimum of 120 credits in the programme, and passes in compulsory courses for the chosen specialisation and the advanced courses necessary for the project.

Language of instruction

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

Intended learning outcomes

This course aims to teach students to independently apply engineering knowledge acquired during their education.

Upon completion of the course, students shall:

- Be able to apply the knowledge and skills acquired during their education on real problems
- Be able to independently analyze and approach a major problem in the area of technology
- Demonstrate an ability to reflect on, evaluate, and critically review their own and others results
- Be able to document and present their work for a specific target group, with high requirements on structure, formality, and language
- Be able to write a summary report in English using correct terminology for the subject
- Demonstrate the ability to identify their need of additional knowledge and to continuously develop their skills
- Demonstrate the ability to integrate the concept sustainable development into their degree project

Course contents

The work will contain problems that provide a deeper or broader knowledge of the technical area. The work is generally performed at a worksite external to KTH.

Examination

- XUP3 - Examination Question, 15.0 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.

The degree project will be assessed in terms of:

- process
- engineering and academic contents
- presentation

To receive a passing grade, the performance may not receive a failing grade on any of the three grounds for assessment. The grade constitutes an overall assessment and is decided by the examiner.

Examination is conditional on participation in lectures/seminars on scientific theory and method.

Examination requires a final report with a passing grade that has been brought up during a seminar, as well as participation as an opponent at a public defence. The full examination work will be reported as one unit of 15.0 credits. The title of the examination work in Swedish and English will be recorded in the final grade.

Other requirements for final grade

For the degree project to receive a passing grade, a partial presentation must have been carried out. Weekly time reports, in writing, must have been submitted. The degree project must have been checked for plagiarism, and once it has been given a passing grade after a seminar, the final report must be submitted in accordance with the instructions from the department.

A grade will be awarded on the scale A-F. Passing grades are A-E, with A being the highest.

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.