



EQ175X Degree Project in Signal Processing, First Cycle 15.0 credits

Examensarbete inom signalbehandling, grundnivå

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 EQ175X valid from Spring 2009

Grading scale

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

Education cycle

First cycle

Main field of study

Electrical Engineering, Technology

Specific prerequisites

See program requirements. Further subject area qualifications are checked by the examiner.

Language of instruction

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

Intended learning outcomes

After the course, the student should be able to:

- apply relevant knowledge and skills from the subject area on a given problem,
- within given specifications, analyse and discuss issues in this area as well as solve more complex problems on a basic level,
- reflect upon and critically assess scientific results,
- document and report the work orally as well as in writing, with strict requirements on structure, format, and language usage,
- identify the need for further knowledge and continuously develop one's own knowledge.

Course contents

The thesis is a course of 15 ects credit units which means that the thesis work should correspond to 10 weeks of full time studies. The work can be done at KTH or externally (even abroad).

Course literature

Depending on project

Equipment

Depending on project

Examination

- XUPP - 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.

The thesis should be presented at a seminar at KTH. The written report should be registered at the school. The format as well as the language usage in the report is very important. The report may be in Swedish or in English. Abstract should be in both languages. The reports will be checked for plagiarism.

The examination is based on the three criteria - process, contents, and presentation - defined by KTH, and presented in the course description (Process, engineering-related and scientific content, and presentation).

Other requirements for final grade

To pass the thesis work, you cannot get a failing grade on any of the three criteria.

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.