



EN111X Degree Project in Electrical Engineering, First Cycle

15.0 credits

Examensarbete inom elektroteknik, 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 EN111X valid from Autumn 2009

Grading scale

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

Education cycle

First cycle

Main field of study

Electrical Engineering, Technology

Specific prerequisites

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:

1. apply relevant knowledge and skills from one of the main applications areas of electrotechnology by analysing and discussing issues in this area as well as solving more complex problem on a basic level in this area,
2. describe the basic concepts and nomenclature in at least one of the application areas of electrotechnology
3. where required, apply international and national regulations and show awareness of social and ethical aspects.
4. reflect upon and critically assess scientific results,
5. document and report the work orally as well as in writing, with strict requirements on structure, format, and language,
6. identify the need for further knowledge and continuously develop one's own knowledge,
7. plan and independently handle a small project, requiring interaction with others to achieve a coordinated goal.

Course contents

Independent guided work on solving a technical problem related to Sound and Image Processing, oral and written communication as well as evaluation and critical assessment of ones own and other result within the same problem area.

Disposition

Independent guided work on solving a technical problem related to Sound and Image Processing, oral and written communication as well as evaluation and critical assessment of ones own and other result within the same problem area.

Course literature

To be decided in discussion with the supervisor, depending on the problem.

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 examination is done continuously during the course in a number of specific requirements. All tasks must be passed to give a pass on the whole course. Better results will then contribute to the grade.

Other requirements for final grade

1. Presence at meetings with supervisor
2. Work plan hand in
3. Work process in the project
4. Written report – content
5. Written report – language and structure
6. Peer-review
7. Oral presentation
8. Final report

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.