



Course syllabus

Faculty of Technology

Department of Physics and Electrical Engineering

2ED34E Elektroteknik, examensarbete (kandidat), 15 högskolepoäng

Electrical Engineering, Degree Project (Bachelor), 15 credits

Main field of study

Electrical Engineering

Subject Group

Electrical Engineering

Level of classification

First Level

Progression

G2E

Date of Ratification

Approved by Faculty of Technology 2015-05-22

The course syllabus is valid from spring semester 2016

Prerequisites

60 credits in Electrical Engineering or equivalent.

Objectives

Upon completion of the course, the student should be able to:

- individually or in a group, find a solution to a research problem in Electrical or Computer Engineering
- individually analyze measurements and the results of calculations
- write a report and present the report.

Content

The course comprises the following topics:

- formulation of background and purpose of the degree project
- time planning of the project
- literature searches and gathering of facts
- choice of theoretical or experimental methods
- construction of a prototype when needed
- analyze of the results and conclusion
- writing of a report meeting given standards.
- oral presentation and critical review.

Type of Instruction

The degree project is done individually or in groups of two students and having regular meetings with the tutor.

Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

The examination is done by doing an individual work, write a report, have an oral presentation and opposition. The final grade is based on the supervisors assessment, report content and the report presentation.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 2ED14E Electrical Engineering, Degree Project (Bachelor)

Other

Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

Required Reading and Additional Study Material

Required reading

The student, together with the supervisor and the examiner, will select relevant literature for the thesis.