Linnæus University

Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

2ED14E 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 the Board of the School of Computer Science, Physics and Mathematics 2010-08-18

The course syllabus is valid from spring semester 2011

Prerequisites
60 credits in Electrical Engineering or equivalent.

Expected learning outcomes
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 of the report.

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 Fail (U) or Pass (G).
The examination is done by doing an individual work, write a report, have an oral presentation and opposition. The mark Passed will be given to students that fulfill the expected learning outcomes. The final grade is based on the supervisors assessment, report content and the report presentation. On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

Course Evaluation
A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

Required Reading and Additional Study Material
Required reading
The student, together with the supervisor and the examiner, will select relevant literature for the thesis.