Linnæus University

Course syllabus

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

2ED15E Examensarbete i elektro/datateknik, 30 högskolepoäng

Degree Project in Electrical and Computer Engineering at bachelor level, 30 credits

Main field of study
Computer Engineering, 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 2009-11-17

Revised 2010-08-03. Revision of prerequisites and course evaluation.

The course syllabus is valid from spring semester 2011

Prerequisites
60 credits in Electrical or Computer Engineering or equivalent.

Expected learning outcomes

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

- individually or in a group, be able to find a solution to a research problem in Electrical or Computer Engineering
- together with a supervisor, be able to construct relevant assessment methods related to the problem
- be able to perform searches in literature and to critically evaluate the information
- be able to analyse measurements or results of calculations
- be able to write a report meeting given standards and individually make a presentation of the thesis work.

Content

The course comprises the following topics:

- an introduction in the subject area
- time planning of the project
- literature searches

- an introduction in the chosen theoretical or experimental methods
- find a method for a given problem e.g. construction of a prototype
- report writing following conventions in the Electrical and Computer Engineering community
- oral presentation of the research results.

Type of Instruction
Supervision and tutoring

Examination
The course is assessed with the grades Fail (U) or Pass (G).
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.

Assessment is based on the written report, the oral presentation and the defense.

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.