



II1332 Project in Electronics and Computer Engineering 7.5 credits

Projekt i elektronik och datorteknik

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 II1332 valid from Autumn 2010

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

The aim is to manage to carry out an industrial based project from idea to a final design.

The student should after the course be able to:

- implement a project management model to a real project
- analyse electronic design problems and suggest ways to solve them
- analyse the need of micro processors and suggest system to use
- do an information search and collect relevant facts for the project
- do an electronic design that fulfills a given specification
- build a prototype and evaluate the design
- do a technical documentation of the project
- do a written and oral presentation of the project

Course contents

Real project of a electronic and computer based design. Project planning with a real project model. The project is done at our department with available resources. The project group will have contact with the orderer continuously during the project to discuss and evaluate the project work. A written and oral presentation of the project.

Examination

- PRO1 - Project, 7.5 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.

Other requirements for final grade

Approved project work (PRO1; 7,5 credits).

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.