



IL2228 Design Project Course I

9.0 credits

Designprojekt I

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for IL2228 valid from Autumn 2013

Grading scale

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

Education cycle

Second cycle

Main field of study

Electrical Engineering

Specific prerequisites

Required: IL2206 Embedded Systems, IL2217 Digital Design with HDL (or equivalent knowledge)

Recommended: specialization courses (or equivalent knowledge) related to the project e.g. IL2219 Radio Electronics, IL2220 Low power analog & mixed signal ICs, IL2226 Embedded System Design, IL2452 System Design Languages, etc.

Language of instruction

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

Intended learning outcomes

In the course the students shall in teams of 4-5 persons conduct a design project. The aims for the students are to:

- apply knowledge acquired in previous courses into concrete praxis;
- be able to use the CAD tools in detail;
- conduct a project in a systematic way from requirements definition to design and verification;
- relate own project to current research

Course contents

The course is synchronized closely with the Design Project II course, which focuses on design and research methodology and oral and verbal communication skills.

Courses Design Project I and II can only be taken together.

The design projects will be offered, defined and supervised by staff members at ECS department and are expected to be related to research activities and other courses given in the program. Thus, the course coordinators are responsible for the overall course and its operation but not for providing and supervising the design projects.

Examination

- PRO1 - Project, 9.0 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Project PRO1 grade A, B, C, D, E, Fx, F.

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.