MF1043 Microcomputers in Embedded Systems 9.0 credits

Mikrodatorer i produkter

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

Establishment

Course syllabus for MF1043 valid from Autumn 2009

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Qualified for grade 3and MF1016/4F1816

Language of instruction

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

Intended learning outcomes

To provide students with a fundamental understanding of how microcomputers are used in mechanical systems and other products. The student should acquire the ability to design and program embedded microcomputer systems included in such products.

Course contents

Determining specification requirements for microcomputer based products. System components: CPU, memory, interface circuits. Development tools for designing and testing. Development of a product prototype.

Course literature

Course material developed at tje department.

Examination

- INL1 - Assignments, 2.0 credits, grading scale: P, F
- PRO1 - Project, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 2.0 credits, grading scale: P, 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

Approved labcourse (LAB1; 4,5 hp)
Approved project and report (PRO1; 4,5 hp).

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.