HI1002 Computer Networks, Project 7.5 credits

Datornätverk, projektkurs

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 HI1002 valid from Autumn 2007

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Basic knowledge of project work, information technology, engineering methods, programming, digital electronics and microprocessors, programming, operating systems and system administration, and data communication and computer networks.

Language of instruction

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

Intended learning outcomes

The aim of this project course is to give the student a possibility to apply knowledge of computers and computer networks in a project work. The project is performed according to the methods introduced in former project courses. It is meant to give further training in project work, project plans, time plans, and problem solving in a project group. A clear specification is especially important as a good platform for designing a prototype for a basic enterprise network.

After completing this course student shall:

- Be able to work according to general engineering methods
- According to given instructions be able to plan the project budget
- With some support be able to act as a project leader
- Be able to establish and analyze a given requirement specification
- Be able to create a prototype or a solution to the project task presented in class
- Be able to describe the prototype or the solution in a report

Course contents

Further deepen and practice the knowledge from previous courses regarding engineering methods, digital electronics and microprocessors, programming, operating systems and system administration, and data communication and computer networks.

Course literature

Contact the department for further information.

Examination

- PRO1 - Projekt, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO2 - Projekt, 4.5 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

Passed project report and oral presentation (PRO1; 3 cr.), credit rate A-F.
Passed prototype (PRO2; 4,5 cr.), credit rate A-F.
In total credit rate A-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.