



ID1212 Network Programming

7.5 credits

Nätverksprogrammering

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

Establishment

On 04/21/2020, the Head of the EECS School has decided to establish this official course syllabus to apply from autumn semester 2020, registration number: J-2020-0654.

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Completed courses in all of the following fields:

- Programming equivalent to ID1018
- object-oriented design equivalent to IV1350
- basic Internet programming equivalent to ID1354.

Active participation in a course offering where the final examination is not yet reported in LADOK is considered equivalent to completion of the course. This applies only to students

who are first-time registered for the prerequisite course offering or have both that and the applied for course offering in their individual study plan.

Language of instruction

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

Intended learning outcomes

After a pass mark on course, the student should be able to develop distributed applications that communicate with different communication paradigms and then use appropriate design and architecture.

Course contents

Basic concepts for distributed applications, for example

- Distributed applications that communicate over sockets.
- Distributed applications that communicate over RMI and message queues.
- Web applications and application servers.
- Framework, design and handling of threads for above-mentioned applications.

Examination

- INL1 - Assignments, 4.5 credits, grading scale: P, F
- PRO1 - Project work, 3.0 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.

The final mark of the course is decided by tasks for higher grades in the test part of the course.

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.