



# ID1212 Network Programming

## 7.5 credits

Nätverksprogrammering

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

### Establishment

The official course syllabus is valid from the autumn semester 2021 in accordance with head of school decision: J-2021-0597. Decision date: 15/04/2021

### Grading scale

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

### Education cycle

First cycle

### Main field of study

Technology

### Specific prerequisites

Knowledge and skills in programming, 7.5 higher education credits, equivalent to completed course ID1018.

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

Registering for a course is counted as active participation.

The term 'final examination' encompasses both the regular examination and the first re-examination.

## 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 using 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.