

SYLLABUS

Project in computer networks 7.5 credits W0010E

Projekt i datornätverk

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2022-02-11**

Project in computer networks 7.5 credits W0010E

Projekt i datornätverk

First cycle, W0010E

| Education level | Grade scale | Subject | Subject group (SCB) |
|-----------------|-------------|---------------|---------------------|
| First cycle | U G# | Mobila system | Computer Technology |

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and General entry requirements for first cycle studies and knowledge of OSI reference model, TCP/IP, IP addresses, IP subnets, Ethernet, LAN, network components, router configuration, e.g. D0024D Routing and switching and D0026D Computer System Administration or equivalent.

Selection

The selection is based on 1-165 credits.

Course Aim

After course completion, the student should be able to demonstrate:

- ability to independently as well as in project groups be able to plan, analyze, create specifications, design a large-scale installation of computer networks and computer systems.
- ability to build, test and verify a large-scale installation of computer networks and computer systems.
- ability to document the work and orally present the results.

Contents

The course includes project work in groups where the assignment is a current and interesting problems in computer networks and computer systems. Students should use the knowledge they have gained in previous courses and search and study literature to solve the task. The project assignment is specified, by the examiner, in a detailed course description at course start.

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The course is conducted in a project form. Regular accounts of the work progress are presented to the supervisor.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

Mandatory meetings with the supervisor for oral accounts of the work progress. The final result is presented with a written report and an oral presentation in a seminar.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term “unauthorized aids” refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

| Code | Description | Grade scale | Cr | Status | From period | Title |
|------|--------------------|-------------|-----|-----------|-------------|-------|
| 0001 | Project Assignment | U G# | 7.5 | Mandatory | A16 | |

Last revised

by Jonny Johansson, HUL SRT 2022-02-11

Syllabus established

by Jonny Johansson, HUL SRT 2016-02-15