

SYLLABUS

Computer Networks 7.5 credits D0007E

Datornätverk

Course syllabus admitted: Autumn 2023 Sp 1 - Present

DECISION DATE
2021-02-17

Computer Networks 7.5 credits D0007E

Datornätverk

First cycle, D0007E

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	G U 3 4 5	Datorkommunikation	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 + Swedish upper secondary school courses Physics 1b1 or 1a, Mathematics 2a or 2b or 2c.

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Course Aim

After course completion, the student should be able to demonstrate theoretical knowledge and practical competence in computer networks and related protocols as well as an ability to describe the functionality at different levels of the network protocol stack.

Contents

OSI-reference model, TCP/IP, IP-networks, IP-subnets, Ethernet, LAN, network components, router configuration, routing protocols, network mediums.

Realization

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

Instruction consists of lectures and laboratory work.

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. Written exam, compulsory laboratory assignments.

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.

Overlap

The course D0007E is equal to SMD173

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0002	Laboratory work	U G#	4.5	Mandatory	A07	
0003	Written exam	G U 3 4 5	3	Mandatory	A21	

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Jonny Johansson, HUL SRT 2021-02-17

Syllabus established

by the Department of Computer Science and Electrical Engineering 2007-02-28