Network and Mobility 7.5 credits D0021E

Nätverk och Mobilitet

Course syllabus admitted: Autumn 2023 Sp 1 - Present

DECISION DATE
2022-02-11

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Network and Mobility 7.5 credits D0021E

Nätverk och Mobilitet

First cycle, D0021E

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	G U 3 4 5	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 knowledge in programming, computer communication and network programming (e.g. D0010E - Object-oriented Programming and Design 7.5 hp, D0012E - Algorithms and Data Structures 7.5 hp, D0002E - Computer Communications 7.5 hp and D0036D - Network oriented programming 7.5 hp).

Selection

The selection is based on 1-165 credits.

Course Aim

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

- knowledge in homogeneous and heterogeneus network access
- knowledge in techniques for achieving mobility within IP networks
- ability to discuss mobile systems and the protocols used for mobility support of applications and services.

Contents

The course covers mobile network communication and discusses mobility in a system perspective. The course gives an overview of mobility concepts like Mobile IP, SIP as well as mobile network deployment and heterogeneous network access.

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
The education consists of lectures and programming assignments.
The assignments can be require written and verbally presentations and may contain a deadline.

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 and presentations of programming 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.

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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	A14	
0003	Written exam	G U 3 4 5	3	Mandatory	S22	

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 2022-02-11

Syllabus established

by Jonny Johansson, HUL SRT 2014-02-14

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