

**SYLLABUS**

# **Special Studies in Pervasive and Mobile Computing 3 credits M7020E**

**Särskilda studier i Distribuerade System**

**Course syllabus admitted: Autumn 2023 Sp 1 - Present**

**DECISION DATE  
2022-08-22**

# Special Studies in Pervasive and Mobile Computing 3 credits M7020E

## Särskilda studier i Distribuerade System

### Second cycle, M7020E

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

### Main field of study

Computer Science and Engineering

## Entry requirements

Bachelor degree or equivalent within the subject area and knowledge in wireless networks and network programming (e.g. D7001D Network programming and distributed applications and D7030E Advanced wireless networks).

Good knowledge in English equivalent to English 6.

## Selection

The selection is based on 30-285 credits

## Course Aim

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

- ability to independently and in groups be able to plan, analyze, specify, create a design and develop an distributed system
- ability to test and evaluate the system
- ability to document and orally present the results

## Contents

The course includes a group project where the assignment is a current and interesting problem in the area of distributed computing systems for sustainable development. Students are introduced in Agile development and expected to use the knowledge they have acquired in previous courses and search and study literature to solve the task.

## Realization

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

Lectures and project work. Progress in the project are presented in writing and orally at regular presentations.

## 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 and oral presentation of project and demonstration of the system.

## 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 work	U G#	3	Mandatory	A14	

## 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 2022-08-22

## Syllabus established

by Jonny Johansson, HUL SRT 2014-02-14