



EP240X Degree Project in Communication Networks, Second Cycle 30.0 credits

Examensarbete inom kommunikationsnät, avancerad nivå

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

Establishment

Course syllabus for EP240X valid from Spring 2019

Grading scale

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

Education cycle

Second cycle

Main field of study

Information and Communication Technology

Specific prerequisites

Students who passed courses in the area of communication networks for at least 15 credits.

The student should have at least 210 credits from the Master of Science in Engineering program or similar, or at least 60 credits from a Master Program related to the subject area.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The aim of the course is to develop the student's ability to independently carry out and report a project work within the area of communication networks.

After the course, the student is expected to be able to

- * formulate a scientific research idea associated with scientific theories and/or earlier research within the area.
- * make appropriate choices of scientific method, motivate them, and use the chosen methods in a systematic and competent way.
- * formulate relevant and well-founded conclusions with reference to earlier research.
- * present the work in both written and oral form, in a form consistent with the practice of the scientific community.

Course contents

The thesis work should consider an interesting and timely problem within the field of communication networks. The thesis project can be performed internally at the Laboratory for Communication Networks, or externally in collaboration with a company, other university or governmental institution.

The focus of the work should be on investigation and analysis of the problem. The extent of the work should be such that it is clear that the student has performed at least five months worth of full-time work.

As an important part of the thesis work is the careful specification and schedule for the task, and a search and study of relevant literature. The thesis work is presented both as a written and an oral report.

Course literature

The course literature is determined together with the advisor.

Examination

- XUPP - Examination Question, 30.0 credits, grading scale: A, B, C, D, E, FX, 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 student has to provide a written report and give an oral presentation. In addition, the student has to be present on two master thesis presentation and oppose one thesis before his/her own presentation.

The thesis work can be performed individually or together with another student. In the latter case the work of each of the students have to fulfill the requirements for an individual thesis work.

Other requirements for final grade

The examiner determines the grading together with the advisor. The grade is determined by a weighting of several criteria, the quality of the scientific work, the quality of the written report and the oral presentation and the student's performance during the project.

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.