IK2200 Communication System Design 15.0 credits

Kommunikationssystem

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

Establishment

The official course syllabus is valid from the autumn semester 2021 in accordance with Head of School decision: J-2021-0878.Decision date: 15/04/2021

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering, Information and Communication Technology, Electrical Engineering

Specific prerequisites

Language of instruction

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

Intended learning outcomes

Having passed the course, the student should be able to:

- solve a realistic problem
- lead projects efficiently
- communicate with all stakeholders during the implementation of a project
- communicate the result of the project
- work in teams and interact in groups with different composition
- design, build and run communication applications, services and networks in innovative ways (wired and wireless, data, voice, video)

in order to

- carry out a project successfully in preparation for a degree project.

Course contents

The course implements problem-based learning and is carried out in project form By solving real problems in project groups will the students learn to solve advanced technical problems and at the same time become aware of other aspects than technical, which are relevant for problem-solving, design, teamwork and project management.

Examination

- PRO1 - Project, 15.0 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.

Other requirements for final grade

Compulsory attendance in seminars, workshops and certain lectures.

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.