



DT2151 Project in Conversational Systems 7.5 credits

Projekt i konverserande system

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

Establishment

On 2019-10-15, the Head of School of EECS has decided to establish this official course syllabus to apply from the autumn semester 2020 (registration number J-2019-0574).

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

Completed a course equivalent to DD2421 Machine learning or DT2112 Speech technology or DT2140 Multi-modal interactions and interfaces.

Language of instruction

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

Intended learning outcomes

After passing the course, students should be able to:

- formulate a research question about conversational systems that requires implementation and evaluation
- search for, summarise and report scientific and technical literature in the area
- plan and carry out a group project in the area.

Course contents

Conversational systems, such as social robots or voice assistants, that interact with people through linguistic interaction (speech, text, body language etc)

- introduction to conversational systems
- examples of technical platforms for developing conversational systems
- examples of projects at KTH where such systems are developed

Examination

- PRO1 - Project plan and oral presentation, 3.0 credits, grading scale: P, F
- PRO2 - Final report and oral presentation, 4.5 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.

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.