DT2150 Project in Cognitive Systems 7.5 credits

Projekt i kognitiva system

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

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

The official course syllabus is valid from the spring semester 2022, in accordance with decision by the Dean of school: J-2022-0944.Decision date: 2022-06-08

Decision to discontinue this course

The course is discontinued at the expiration of spring term 2024 in accordance with Head of School decision:: J-2022-0944.Decision date: 08/06/2022The course was given for the last time during the spring semester 2021. Final opportunity for examination in the course will be given spring term 2024.The examination module PRO1 is examined as INL1 together with LAB1 in the course DT2151.The examination module PRO2 can be examined as PRO3 in DT2151. The last opportunity to be examined is the academic year 2023/2024. Students are offered no teaching.

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

The student should have gone through most of the courses in the track Cognitive systems in the Master's programme in Computer Science

Language of instruction

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

Intended learning outcomes

On completion of the course, the student should be able to:

- Formulate an issue about cognitive systems that requires implementation and evaluation
- Retrieve and use scientific and technical literature in the area
- Plan and carry out group projects in the field

Course contents

The students will first be given a short introduction to what is meant by cognitive systems, the set-up of the course, examples of technical platforms to develop cognitive systems and example of projects at KTH where such systems are developed. Thereafter, they will be divided into project groups of about 2-3 persons and be assigned a supervisor. The groups will then work with defining an issue that requires implementation and evaluation of a cognitive system and writing a project plan. As a part of this, the students should retrieve a number of relevant scientific articles. The project plan and the literature survey should then be presented in a written report and orally at a seminar. The completed work should also be presented in a written final report and be presented at a seminar, where the students publicly discuss each other's work.

Examination

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

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.