DM2585 Artificial Intelligence in Society 9.0 credits

Artificiell intelligens i samhället

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-2021-1572.Decision date: 21/06/2021

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

Documented knowledge in theory of knowledge and research methodology, 7,5 credits, corresponding to completed course DM2572.

The upper secondary course English B/6.

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, the student should be able to

- account for how artificial intelligence has been developed since the field's formative years and up to today,
- discuss and account for commonly occurring critical perspectives on artificial intelligence and its development,
- account for potential possibilities and risks with artificial intelligence in the future decades
- discuss and account for central ethical aspects and problems related to use of artificial intelligence

in order to

- get an increased understanding of how artificial intelligence fits in today's information society and how artificial intelligence might be developed.

Course contents

Historical overview of how artificial intelligence has been developed since its formative years and up to today.

Critical perspectives on artificial intelligence and its development.

Possibilities and risks with artificial intelligence in the nearest coming decades.

Ethical aspects related to artificial intelligence today and in future.

Examination

- LIT1 - Literature study, 3.0 credits, grading scale: P, F
- SEM1 - Seminars, 3.0 credits, grading scale: P, F
- RAP1 - Report, 3.0 credits, grading scale: P, 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.