LD2005 Generative AI in education, learning and assessment 3.0 credits

Generativ AI inom utbildning, lärande och bedömning

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

Establishment

The official course syllabus is valid from the summer semester 2025, according to the decision by the Faculty Board: HS-2025-0013.Date of decision: 2025-01-15

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Technology and Learning

Specific prerequisites

A total of 180 credits, 15 credits (min.) of which in pedagogy.

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 give participants the opportunity to develop knowledge, skills and abilities to use generative AI tools in their own teaching practice. A central theme in the course is the ability to create and evaluate materials created with the help of generative AI, from an educational and ethical perspective.

After passing the course, the participant should be able to:

- Give an overview of the technology behind generative AI, and identify and reflect on the strengths and weaknesses of the technology from a learning perspective.
- Use generative AI tools to develop learning resources, respond to legislation and guidelines, and reflect on ethical aspects of their own use.
- Describe how generative AI can be used as a tool to support students' learning, and reflect on pedagogical advantages and disadvantages.
- Identify potential risks associated with assessment and generative AI, and reflect on how to handle such risks.

Course contents

The main themes of the course are:

- Introduction and review of the basic technology of generative AI, from an educational and ethical perspective.
- AI literacy: create, evaluate and improve AI-generated materials.
- Student perspectives on generative AI; create learning resources with the support of generative AI.
- Assessment and examination in relation to generative AI.

Examination

- LEXA - Continous assessment, 2.0 credits, grading scale: P, F
- SEM1 - Seminars, 1.0 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.

Other requirements for final grade

Active participation in the learning activities of the course.

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.