

INFA50, Informatics: Introduction to Large Language Models, 2 credits

Informatik: Introduktion till Large Language Models, 2 högskolepoäng
First Cycle / Grundnivå

Details of approval

The syllabus was approved by The Board of the Department of Informatics on 2025-09-24. The syllabus comes into effect 2025-09-24 and is valid from the spring semester 2026.

General information

The course is given as a freestanding online course and involves independent studies.

Language of instruction: English

Main field of study Specialisation

Information Systems	G1N, First cycle, has only upper-secondary level entry requirements
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Informatics	G1N, First cycle, has only upper-secondary level entry requirements
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Learning outcomes

After completing the course, the student shall have a fundamental conceptual understanding of how large language models work. The student shall also attain increased knowledge of prompt engineering and context engineering techniques for working with large language models.

Knowledge and understanding

To pass the course, the student must demonstrate knowledge of and understanding of

- Fundamental concepts related to language models and their implications for use
- Basic prompt and context engineering techniques

- Challenges and pitfalls related to the use of language models

Course content

The course consists of

- Fundamental concepts related to large language models and their implications for use
- Techniques for working with large language models, such as prompt and context engineering
- Challenges and pitfalls when using language models

Course design

The teaching consists of independent studies.

The teaching is given entirely online via an internet-based learning platform. It is assumed that the student participates in these conditions and has access to a computer with a network connection. Access to teachers for questions and guidance is provided via the internet-based learning platform.

Assessment

The assessment is based on a quiz.

Re-examinations are offered in close conjunction with the first examination.

The test and course grades are determined by the course examiner. The examiner is entitled to change the grades given by the teachers on the course if this does not violate Chapter 6, Section 24 of the Higher Education Ordinance (1993:100).

Academic misconduct such as cheating, plagiarism, fabrication and falsification is considered a serious offence in higher education (see Chapter 10 of the Higher Education Ordinance). The disciplinary measures that may be taken as a result of such offences are caution or suspension for a limited period of time from the university (and all the faculties of the university).

Examinations

- Quiz, 2.0 cr, grading scale: U-G, individual examination

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Grades

Grading scale includes the grades: Fail, Pass

Pass. A result that satisfies the requirements with regard to theoretical depth, practical relevance, analytical ability and independence.

Fail. An inadequate result with regard to theoretical depth, practical relevance, analytical ability and independence.

A pass on all examinations is required to pass the course.

Entry requirements

General requirements and studies equivalent of course English 6 from Swedish Upper Secondary School.

Further information

If the course is discontinued, there may be limited opportunities for re-examination. Please contact the study adviser for information.