LD1015 Learn to learn mathematics 2.0 credits

Lär dig lära dig matematik

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 2024 in accordance with the decision by the Faculty Board: M-2024-0062. Date of decision: 2024-01-22.

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology and Learning

Specific prerequisites

General entry requirements.

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:

- Identify and explain central concepts of the learning process.
- Describe and apply central concepts, theories and methods within learning, in relation to their own study context in mathematics
- Design and apply study strategies that may improve their learning in mathematics and improve their ability to communicate in mathematics.

Course contents

The course is intended to prepare the student for further study and to develop the student's abilities to understand, analyse, plan and implement study strategies, and the student's communication skills, which may improve their learning in mathematics.

- Presentation of key concepts about learning based on current research in psychology, cognition and motivation, related to learning in mathematics.
- Design of study strategies adapted to behaviours and types of instruction in mathematics
- Application of study strategies and modern digital tools such as AI to improve learning in mathematics at different levels.

Examination

- LEXA - Continous assessment, 1.0 credits, grading scale: P, F
- LEXB - Continous assessment, 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.

Continuous assessment. The examination components include e.g. multiple-choice questions, open-ended questions and case assignments. A final grade is given after a Pass on all examination components .

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.