



ML0001 Introduction to Mathematics 1.5 fup

Introduktionskurs i matematik

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

Establishment

The official course syllabus is valid from the autumn semester 2026 as decided by the Faculty Board: dnr HS-2026-1299. Decision date: 2026-06-15.

Grading scale

P, F

Education cycle

Pre-university level

Specific prerequisites

Intended learning outcomes

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

- Simplify algebraic expressions
- Decide domains and make calculations with expression that contains exponentiations, logarithms, rational and trigonometric functions
- Solve quadratic equations
- Solve logarithmic and trigonometric equations

Course contents

- Algebraic expressions
- Linear equations
- Completing the square
- Quadratic equations
- Root equations
- Powers
- Roots
- Exponential equations
- Logarithms
- Logarithmic equations
- Trigonometric functions
- Basic trigonometric equations

Examination

- RED1 - Presentation, 1.5 fup, 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.

The course can not be used in the exam

Transitional regulations

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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.