

# Perspectives on Mathematics

Programme course

1 credits

Matematiska utblickar

TATA40

Valid from: 2017 Spring semester

**Determined by**

Board of Studies for Electrical  
Engineering, Physics and Mathematics

**Date determined**

2017-01-25

## Main field of study

Mathematics, Applied Mathematics

## Course level

First cycle

## Advancement level

G1X

## Course offered for

- Applied Physics and Electrical Engineering - International, M Sc in Engineering
- Applied Physics and Electrical Engineering, M Sc in Engineering
- Physics and Nanoscience, Bachelor's Programme
- Mathematics, Bachelor's Programme
- Computer Science and Software Engineering, M Sc in Engineering
- Computer Science and Engineering, M Sc in Engineering
- Information Technology, M Sc in Engineering
- Biomedical Engineering, M Sc in Engineering
- Physics, Bachelor's Programme
- Mathematics, Bachelor's Programme

## Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

## Prerequisites

Admission to the course requires , as well as general university requirements, secondary school mathematics (or equivalent).

## Intended learning outcomes

To impart an understanding of mathematics, its history and its function in education and society.

## Course content

The contents vary from year to year. The lectures take up the following themes:

- Special topics in analysis and algebra.
- History of mathematics.
- Application and uses of mathematics in science and technology.

## Teaching and working methods

Lectures. The course continues throughout the first year.

## Examination

ANN1 Participation in at least 12 of 16 lectures 1 credits U, G

Grades are given as 'Fail' or 'Pass'.

## Grades

Two-grade scale, U, G

## Department

Matematiska institutionen

## Director of Studies or equivalent

Jesper Thorén

## Examiner

Hans Lundmark

## Course website and other links

<http://www.mai.liu.se/und/kurser/index-amne-tm.html>

## Education components

Preliminary scheduled hours: 32 h

Recommended self-study hours: -5 h

## Course literature

### Additional literature

### Other

References will be given at each lecture.

## Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at [http://stydokument.liu.se/Regelsamling/Innehall/Utbildning\\_pa\\_grund-\\_och\\_avancerad\\_niva](http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva).