History of Mathematics

Programme course

4 credits

Matematikens utveckling

TATA81

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

- Mathematics
- Applied Physics and Electrical Engineering, M Sc in Engineering

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

Calculus

Intended learning outcomes

After completing the course, students should be able to describe the historical development of mathematics and discuss its role in society in an international perspective and a gender perspective.

Course content

This course surveys the historical development of mathematics with a focus on the development of key mathematical ideas, concepts and methods. The course also highlights the role of mathematics in society from different perspectives.

Teaching and working methods

Lectures, seminars, individual and group work as well as literature studies.

Examination

UPG2	Oral presentation	U, G	1 credits
UPG1	Written assignment	U, G	3 credits

Grades are given as ’Fail’ or ’Pass’

Grades

Two-grade scale, U, G

Department

Matematiska institutionen

Director of Studies or equivalent

Jesper Thorén

Examiner

Vladimir Tkatjev

Course website and other links

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

Education components

Preliminary scheduled hours: 0 h
Recommended self-study hours: 107 h

Course literature

Additional literature

Books

Tord Hall, (1970) *Matematikens utveckling* Gleerups

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://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.