

SYLLABUS

Mathematics F 7.5 credits

M0021M

Matematik F

Course syllabus admitted: Autumn 2013 Sp 1 - Spring 2015 Sp 4

DECISION DATE
2013-02-15

Mathematics F 7.5 credits M0021M

Matematik F

First cycle, M0021M

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Matematik	Mathematics

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language + Swedish upper secondary school courses Mathematics 3c (specifik entry A8).

Or:

Swedish upper secondary school courses Mathematics D (specifik entry 8)

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Examiner

Juha Koivuniemi

Course Aim

The course should give basic knowledge in what university-studies in mathematics is.

The course will give a good platform for further studies in mathematics.

Contents

Combinatory, Sequences, Series, Proof of induction, Sets, Logics, Theory of numbers, Techniques of Integration, Inverse functions, Approximations, Vectors in 3-space, Lines and planes and angles in 3-space, Systems of linear equations, Matrices and Transformations.

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Lectures and tutorials. The course language is Swedish.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. Written exam.

Overlap

The course M0021M is equal to MAM263, M0045M

Literature. Valid from Spring 2010 Sp 3

Adams Robert A: Calculus, A Complete Course. Addison-Wesley, latest edition.

Course offered by

Department of Engineering Sciences and Mathematics

Items/credits

Number	Type	Credits	Grade
0001	Written exam	7.5	U G#

Last revised

by Mats Näsström 2013-02-15

Syllabus established

by Department of Mathematics 2007-01-08