MATM11, Mathematics: Algebraic Structures, 7.5 credits

Matematik: Algebraiska strukturer, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2007-03-01 to be valid from 2007-07-01, autumn semester 2007.

General Information

The course is an elective course for second-cycle studies for a Degree of Master of Science (120 credits) in mathematics.

Language of instruction: Swedish and English

Main field of studies	Depth of study relative to the degree requirements
Mathematics	A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

The aim of the course is that the student on completion of the course should:

- have developed the ability to communicate mathematics in speech and writing
- be familiar with basic concepts and methods in algebra
- had acquired basic knowledge for continued studies in algebra.

Course content

Elementary theory of groups, rings and fields.

Course design

The teaching consists of lectures and seminars. Compulsory written assignments may occur during the course.

Assessment

The examination consists of a written exam followed by an oral exam. The oral exam may only be taken by those students who pass on the written exam. Students who fail the regular exam are offered a re-examination shortly afterwards.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

Entry requirements

For admission to the course, English B is required and at least 60 credits in mathematics.

Further information

The course may not be included in a higher education qualification together with MAT311 Algebra 2 5 p.

This is a translation of the course
syllabus approved in Swedish

Subcourses in MATM11, Mathematics: Algebraic Structures

Applies from H07

0701   Examination, 7,5 hp
      Grading scale: Fail, Pass, Pass with distinction