MATM11
Syllabus for Algebraic Structures 7.5 higher education credits

1. Course details
Approved by the Education Committee of the Faculty of Sciences 01-03-2007. The syllabus is valid from 01-07-2007. The course is at advanced level.

2. General information
The course is part of the main field of study in Mathematics at the Faculty of Science. The course is optional at the Second cycle in a Master's degree in Mathematics. The course is also offered as a single subject course. The language of instruction is contingently English.

3. Learning outcomes
On completion of the course, the students shall:

- have developed the ability for mathematical communication orally and in writing,

- be familiar with basic concepts and methods in algebra,

- have acquired basic knowledge for further studies in algebra.

4. Course content
Elementary theory for groups, rings and fields.

5. Teaching and assessment
Teaching consists of lectures and seminars. Compulsory hand-in exercises might be given during the course.

Examination takes the form of a written test and, in connection with this, an oral examination. Oral examination is held only for those who passed the appurtenant written test.

Students who fail the ordinary tests will have an opportunity to take another test in close proximity to the ordinary test.

6. Grades
Students are awarded one of the following grades: Distinction, Pass or Fail.

7. Admission requirements
To be eligible for the course requires: At least 60 higher education credits in mathematics.

8. Literature
According to a list established by the department, available at least five weeks before the start of the course. See the web-page for Mathematics NF.

9. Further information
The course cannot be credited as part of a degree along with MAT311 Algebra 2, 5p.