Department of Mathematics
(incl. Math. Statistics)

Stockholm University

Syllabus

for course at advanced level

Mathematical Communication
Matematisk kommunikation

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	MM7020
Valid from:	Autumn 2014
Date of approval:	2014-03-10
Department	Department of Mathematics (incl. Math. Statistics)
Main field:	Mathematics/Applied Mathematics
Specialisation:	A1N - Second cycle, has only first-cycle course/s as entry requirements

Decision

This syllabus was approved by the Board of the Faculty of Science at Stockholm University on 10 March 2014.

Prerequisites and special admittance requirements

- Knowledge equivalent to a bachelor's degree in a mathematical subject.
- Swedish upper secondary course English B/English 6 or equivalent.

Course structure

Examination code	Name	Higher Education Credits
M001	Home Assignment	4.5
M002	Project work	3

Course content

a. The course covers:
- TeX and LaTeX. Presentations with Beamer and PowerPoint.
- Orientation and publishing in mathematical journals. Writing scientific articles in mathematics.
- Mathematical popular science. Writing a popular science article in mathematics.
- Giving a mathematical lecture or a talk.

b. The course comprises the following elements:
1. M001 - Home Assignment, 4.5 credits.
2. M002 - Project work, 3 credits.

Learning outcomes

After the course, students are expected to be able to give written and oral presentations in mathematics for different target groups.

Education

Instruction consists of lectures, seminars and exercises. Participation in all instruction is compulsory. In the event of special circumstances, the examiner may, after consultation with the teacher concerned, grant a student exemption from the obligation to participate in certain compulsory instruction.

Forms of examination

a. The course is examined as follows: Knowledge assessment of element 1 takes the form of written and oral presentations of home assignments. Knowledge assessment of element 2 takes the form of written and oral presentations of project work.

b. Grades are assigned according to a seven-point goal-related grading scale:

A = Excellent
B = Very good
C = Good
D = Satisfactory
E = Sufficient
Fx = Fail (more work required before credit can be awarded)
F = Total fail

c. The grading criteria will be distributed at the beginning of the course.

d. To be awarded a pass, the minimum grade E is required together with participation in all compulsory instruction.

e. Students who fail an ordinary examination are entitled to sit additional examinations as long as the course is offered. There is no restriction on the number of examinations. Examinations also include other obligatory elements of the course. Students who have passed an examination may not resit it in order to achieve a higher grade. Students who have failed on two occasions are entitled to request the appointment of a different examiner for the next examination. Any such request must be made to the departmental board.

The course has at least two examinations for each academic year in the years in which instruction is provided. Intervening years include at least one examination.

f. Students awarded the grade Fx are given the opportunity to improve their grade to E. The examiner decides the supplementary assignments to be performed and the pass mark criteria. The supplementary assignments will take place before the next examination session.

Interim

Students may request that the examination be conducted in accordance with this course plan even after it has ceased to be valid. However, this may not take place more than three times over a two year period after course instruction has ended. Requests must be made to the departmental board. The provision also applies in the case of revisions to the course plan.

Misc

The course can be taken within the Master's programme in mathematics, but also as an individual course.

Required reading

Course literature is decided by the departmental board and described thereafter in an appendix to the course plan.