MATM23, Mathematics: Specialised Course in Differential Geometry, 7.5 credits

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

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,
- have acquired advanced knowledge in a speciality of the differential geometry.

Course content
The course constitutes a specialisation and extension of the course Differential geometry. Its contents are specified by the lecturer in consultation with the students. The course can e.g. treat one of the following fields:
(i) Riemannian geometry
Course design
The teaching consists of lectures and seminars. Compulsory assignments may occur during the course.

Assessment
The examination consists of a written and/or oral examination. Students who fail the ordinary written examination are offered a resit examination shortly thereafter.

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 as well as at least 67.5 credits in pure mathematics in which should be included the course MATM13 Differential geometry, 7.5 credits.

Further information
The course may not be included in a degree together with MAT323 Advanced course to Differential geometry, 5 credits.
Subcourses in MATM23, Mathematics: Specialised Course in Differential Geometry

Applies from V08

0701 Exam, 7.5 hp
   Grading scale: Fail, Pass, Pass with distinction