Faculty of Science

MATM27, Mathematics: Ordinary Differential Equations 2, 7.5 credits
Matematik: Ordinära differentialekvationer 2, 7,5 högskolepoäng
Second Cycle / Avancerad nivå

Details of approval
The syllabus was approved by Study programmes board, Faculty of Science on 2014-01-15 to be valid from 2014-01-15, autumn semester 2014.

General Information
Language of instruction: English

Main field of studies
Mathematics

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

Learning outcomes

Knowledge and understanding
On completion of the course, the student should

- be able to give an account of basic concepts and methods within the theory of ordinary differential equations,
- be able to describe in depth the theory of ordinary differential equations.

Competence and skills
On completion of the course, the student should have developed the ability to communicate mathematics in speech and writing.

This is a translation of the course syllabus approved in Swedish
Judgement and approach
On completion of the course, the student should be able to describe the theory of ordinary differential equations and apply it within other areas of mathematics as well as other sciences.

Course content

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

Assessment
The examination consists of a written examination followed by an oral examination. The oral examination may only be taken by those students who passed the written examination. Students who fail the regular 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.
The final grade is based on the joint results of the two examinations.

Entry requirements
For admission to the course, at least 67.5 credits in pure mathematics are required, including the course MATC12, Ordinary Differential Equations 1, 7.5 credits, or the equivalent.

This is a translation of the course syllabus approved in Swedish
Subcourses in MATM27, Mathematics: Ordinary Differential Equations 2

Applies from V14

1401 Examination, 7,5 hp
   Grading scale: Fail, Pass, Pass with distinction

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