



LUND
UNIVERSITY

Faculty of Science

NUMN17, Numerical Analysis: Seminar, 7.5 credits

Numerisk analys: Seminariekurs, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2007-04-12 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

Mathematics

Depth of study relative to the degree requirements

A1F, Second cycle, has second-cycle course/s as entry requirements

Learning outcomes

The aim of the course is that students on completion of the course should have acquired the following knowledge and skills:

Knowledge and understanding

The student should obtain advanced knowledge within a limited speciality in numerical analysis. The student should obtain deep understanding of application and development of modern numerical methods in the area.

Skills and abilities

The student should independently find and read research literature.

Judgement and approach

The student should during the course

- search and understand relevant literature
- hold an pedagogically elaborated seminar presentation,
- present a written summary of the talk.

Course content

The course consists of one subpart about 7.5 credits. Each time the course is given, it is centered on an appropriate theme within numerical analysis and computational techniques.

Course design

The teaching is given in seminars.

Assessment

Examination takes the form of oral presentations and written reports during the course. Reports that do not pass during the course may be redone and resubmitted shortly after the end of the course.

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 obtained by taking the grades on the oral presentation and on the written report into account.

Entry requirements

For admission to the course, general entry requirements and knowledge equivalent to the course NUMA12 Numerical approximation, 7.5 credits, are required.

Further information

The course may not be included in a higher education qualification together with NUM150 Seminar course in numerical analysis 7.5 credits.

Subcourses in NUMN17, Numerical Analysis: Seminar

Applies from H09

0701 Seminar Course in Numerical Analysis, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction

Applies from V09

0701 Seminar Course in Numerical Analysis, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction