



LUND
UNIVERSITY

Faculty of Science

MATP25, Mathematics: Specialised Course in Linear Functional Analysis, 7.5 credits

*Matematik: Fördjupningskurs till lineär funktionalanalys, 7,5
högskolepoäng*

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2007-05-10 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: English and Swedish

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 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 special area within linear functional analysis.

Course content

The course constitutes a specialisation and continuation of the course Linear functional analysis. Its contents are specified by the lecturer in consultation with the students. The course can for example treat the theory of the Schrödinger equation.

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. Oral examination is only given for students who have passed the appurtenant written examination. Students who fail the ordinary 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 mathematics including the course MATP15 Linear functional analysis, 7.5 credits.

Further information

The course may not be included in degree together with MAT425 Specialised course in Linear functional analysis 5 p.

Subcourses in MATP25, Mathematics: Specialised Course in Linear Functional Analysis

Applies from H07

0701 Specialised Course on Linear Functional Analysis, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction