MATP15, Mathematics: Linear Functional Analysis, 7.5 credits

Matematik: Linjär 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: Swedish and 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

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,
- be familiar with basic concepts and methods within the field of linear functional analysis,
- have acquired basic knowledge for further studies within linear functional analysis.

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 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 60 credits in pure mathematics.

Further information

The course may not be included in degree together with MAT415 Linear functional analysis, 5 credits.
Subcourses in MATP15, Mathematics: Linear Functional Analysis

Applies from V17

0711  Linear Functional Analysis, 7,5 hp
       Grading scale: Fail, Pass, Pass with distinction

Applies from H07

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