

MATP25

Syllabus for Specialised Course on Linear Functional Analysis 7.5 ECTS credits

1. Course details

Approved by the Education Committee of the Faculty of Sciences 10-05-2007. The syllabus is valid from 01-07-2007. The course is at the Second cycle.

2. General information

The course is part of the main field of study in Mathematics at the Faculty of Science. The course is optional at the Second cycle in a Master's degree in Mathematics. The course is also offered as a single subject course. The language of instruction is contingently English.

3. Learning outcomes

On completion of the course, the students shall:

- have developed the ability for mathematical communication orally and in writing,
- have acquired intensive knowledge in a special area of linear functional analysis.

4. Course content

The course is an advanced continuation and extension of the course Linear Functional Analysis. Its content is specified by the course-leader in consultation with the students. The course can for example treat the theory for the Schroedinger equation.

5. Teaching and assessment

Teaching consists of lectures and seminars. Compulsory hand-in exercises might be given during the course.

Examination takes the form of a written test and/or an oral examination. Oral examination is held only for those who passed a contingent appurtenant written test.

Students who fail the ordinary tests will have an opportunity to take another test in close proximity to the ordinary test.

6. Grades

Students are awarded one of the following grades: Distinction, Pass or Fail.

7. Admission requirements

To be eligible for the course requires: At least 67.5 ECTS credits in mathematics, therein the course MATP15 Linear Functional Analysis 7.5 ECTS credits.

8. Literature

According to a list established by the department, available at least five weeks before the start of the course. See the web-page for Mathematics NF.

9. Further information

The course cannot be credited as part of a degree along with MAT425 Specialised Course on Linear Functional Analysis, 5p.