FSF3946 Selected Topics in Mathematical Statistics 7.5 credits

Valda ämnen i matematisk statistik

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for FSF3946 valid from Spring 2017

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

A Master's degree in mathematics, applied mathematics or related field including at least 30 ECTS in mathematics. Additional requirements may be added for each occasion of the course.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After completing the course the students are expected to:

- Explain the main results of the subfield studied in the course
- Outline the proofs of the main results in the subfield studied in the course
- Explain and motivate the methods in different applications
- Be able to solve problems and discuss research questions related to the theory

Course contents

The contents for each occasion of the course will be decided jointly between the examiner and the teacher responsible for the course.

Disposition

The course will be given either as an intensive course with lectures and problem solving or as a regular semester course with lectures, homework and computer assignments.

Course literature

To be announced at least four weeks before the course starts.

Examination

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Homework and an oral exam

Other requirements for final grade

Homework and an oral exam

Ethical approach

- All members of a group are responsible for the group's work.

- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.