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Syllabus

for course at advanced level **Selected Topics in Biostatistics** Valda ämnen i biostatistik

7.5 Higher Education Credits 7.5 ECTS credits

MT7030 Spring 2013 2013-01-14 Department of Mathematics (incl. Math. Statistics)

Mathematical Statistics A1N - Second cycle, has only first-cycle course/s as entry requirements

Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University on 27 September 2006.

Prerequisites and special admittance requirements

Name

Course structure

Examination code HELA

Selected Topics in Biostatistics

Course content

The course treats measure and integration theory, Lebesgue's therems on monotone and bounded convergence, Radon-Nikodym's theorem, Fubini's theorem, Lp-spaces Arzela-Ascoli's theorem.

Learning outcomes

It is expected that the student after taking the course will be able to: • account for and prove basic theorems in measure theory, integration theory and function theory

Education

The education consists of lectures and exercises.

Forms of examination

a. Examination for the course is in the following manner: measurement of knowledge takes place through written or oral examination

b. Grading is carried out according to a 7-point scale related to learning objectives:

- A = Excellent
- B = Very Good
- C = Good
- D = Satisfactory
- E = Sufficient
- Fx = Fail
- F = Fail



Department of Mathematics (incl. Math. Statistics)

Course code: Valid from: Date of approval: Department

Main field: Specialisation:

> **Higher Education Credits** 7.5

c. Grading criteria for the course will be distributed at the start of the course.

d. A minimum grade of E is required to pass the course

e. Students who fail to achieve a pass grade in an ordinary examination have the right to take at least further four examinations, as long as the course is given. The term "examination" here is used to denote also other compulsory elements of the course. Students who have achieved a pass grade on an examination may not retake this examination in order to attempt to achieve a higher grade. Students who have failed to reach a pass grade on two occasions have the right to request that a different teacher be appointed to set the grade of the course. A request for such appointment must be sent to the departmental board.

Interim

Students may request that the examination is carried out in accordance with this syllabus even after it has ceased to apply. This right is limited, however, to a maximum of three occasions during a two-year-period after the end of giving the course. A request for such examination must be sent to the departmental board.

Limitations

The course may not be included in a degree together with the courses "Integration therory" (MA4130), "Matematical analysis, specialized course" (MA4290), or the equivalents.

Misc

The course is a component of the master programs in mathematics and applied mathematics, and it can also be taken as an individual course.

Required reading

Course literature is decided by the departmental board and is described in an appendix to the syllabus.