School of Economics and Management

STAN40, Statistics: Thesis, 15 credits

Statistik: Examensarbete - Magisteruppsats, 15 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Board of the Department of Statistics on 2018-06-04 and was last revised on 2023-08-28. The revised syllabus applies from 2024-01-15, spring semester 2024.

General Information

The course is an independent project in statistics on the second-cycle level and normally forms the final course in the Master's programme in statistics, a Master's thesis. The course is mandatory for receiving a Degree of Master of Science in Statistics.

Language of instruction: English

Main field of studies	*Depth of study relative to the degree requirements*
Statistics	A1E, Second cycle, contains degree project for Master of Arts/Master of Science (60 credits)

Learning outcomes

Knowledge and understanding

For a passing grade the student shall

- demonstrate in-depth knowledge within some field of statistics, and
- demonstrate in-depth methodological knowledge within statistics.

Competence and skills

For a passing grade the student shall

- demonstrate the ability to independently identify and formulate problems and to plan and using adequate methodology carry out an independent project within a given time frame, and

- demonstrate the ability to clearly explain and discuss the conclusions orally and in writing and the knowledge and arguments that underlie them.

Judgement and approach

For a passing grade the student shall

- demonstrate the ability to make assessments in statistics informed by relevant disciplinary, social and ethical issues, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

Course content

The course constitutes a special assignment, which can be a general investigative work or a work concerning a specific problem or research question, in which the student, with the help of previous knowledge and experience in the subject of statistics, is trained to independently treat a problem area.

Course design

The course consists of lectures, supervision contacts (both through physical meetings and e-mail), independent work, and seminars. The course is concluded by a final seminar. (For students not attending the final seminar, there is a seminar organised the week before the autumn semester starts.)

The course has compulsory elements:

- to prepare a written report (“thesis”) on the work,
- to present the work orally at seminar (“thesis presentation”),
- to attend and participate in the discussion at thesis presentations during the semester,
- to act as an opponent/discussant at another student’s thesis presentation,
- to make sure that the thesis is available one week prior to the thesis presentation, and
- to prepare and upload in LUP Student Papers the final version of the thesis after the thesis presentation. This version must include all changes that have been requested by the examiner.

Assessment

The course is examined by an examiner, who in consultation with the supervisor, makes an overall evaluation of the compulsory elements in the course.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, E, D, C, B, A.

A (Excellent) 85-100 points/percent. A distinguished result that is excellent with regard to theoretical depth, practical relevance, analytical ability and independent thought.

B (Very good) 75-84 points/percent. A very good result with regard to theoretical depth, practical relevance, analytical ability and independent thought.

C (Good) 65-74 points/percent. The result is of a good standard with regard to theoretical depth, practical relevance, analytical ability and independent thought and lives up to expectations.

D (Satisfactory) 55-64 points/percent. The result is of a satisfactory standard with regard to theoretical depth, practical relevance, analytical ability and independent thought.

E (Sufficient) 50-54 points/percent. The result satisfies the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought, but not more.

F (Fail) 0-49 points/percent. The result does not meet the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought.

To pass the course, the students must have been awarded the grade of E or higher.

Entry requirements

General entry requirements and 90 credits of courses in statistics on undergraduate level including STAH11 and STAH12, and 15 credits of courses in statistics on advanced level, or the equivalent.

Subcourses in STAN40, Statistics: Thesis

Applies from H11

1101 First Year Master Thesis, 15,0 hp
Grading scale: Fail, E, D, C, B, A