School of Economics and Management

STAP40, Statistics: Second Year Master Thesis, 15 credits

Statistics: Second Year Master Thesis, 15 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Board of the Department of Statistics on 2018-10-15 (STYR 2018/1623) and was last revised on 2025-02-24 (STYR 2025/665). The revised syllabus comes into effect 2025-03-03 and is valid from the spring semester 2026.

General information

The course is an independent project in statistics on advanced level and normally forms the final course in the Master's programme in statistics, a master thesis. The course is mandatory for receiving a Degree of Master (120 credits) in Statistics.

Language of instruction: Swedish and English
Depending on the supervisor, supervision may be given in English.

Main field of study	*Specialisation*
Statistics	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Learning outcomes

Knowledge and understanding

For a passing grade the student shall

- demonstrate a considerable degree of specialised knowledge in a certain area of statistics, and
- demonstrate specialised methodological knowledge in statistics.

Competence and skills

For a passing grade the student shall

- demonstrate the ability to identify and formulate issues critically, autonomously and creatively as well as to plan and, using appropriate methods, undertake an independent project within predetermined time frames, and
- demonstrate the ability in speech and writing clearly report and discuss his or her conclusions and the knowledge and arguments on which they are based.

Judgement and approach

For a passing grade the student shall

- demonstrate the ability to make assessments informed by relevant statistical, social and ethical issues and also to demonstrate awareness of ethical aspects of research, 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 consists of an independent project relating to a specific research problem, through which the student, using previous knowledge and experience in the subject of statistics, is trained to use statistical methodology to independently address a problem of either methodological or practical nature.

Course design

The course includes instruction in the form of supervisor contacts (both in person and e-mail contacts), independent work and seminars.

The compulsory elements of the course:

- to choose a topic which must be approved by the supervisors,
- to maintain a regular contact with the supervisor and actively participate in supervision,
- to prepare a written report (“thesis”) on the work,
- to orally present the work at a seminar (“thesis presentation”),
- to attend and participate in the discussions at thesis presentations during the current course term,
- to act as an opponent/discussant at another student’s thesis presentation,
- to ensure 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 aggregate assessment of the compulsory elements included 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.

Grades

Grading scale includes the grades: U=Fail, E=Sufficient, D=Satisfactory, C=Good, B=Very Good, A=Excellent

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 statistics and STAN40, or the equivalent.