**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 (STYR 2018/1066) 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 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 study | Specialisation |
| --- | --- |
| 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 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 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.

## 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 courses in statistics on undergraduate level including STAH11 and STAH12, and 15 credits of courses in statistics on advanced level, or the equivalent.

STYR 2025/665

This is a translation of the syllabus which was established in Swedish.