

Syllabus

for course at first level

Bachelor's degree project in Statistics

Självständigt arbete för kandidatexamen i statistik

15.0 Higher Education

Credits

15.0 ECTS credits

Course code:	ST3901
Valid from:	Spring 2022
Date of approval:	2021-08-12
Department	Department of Statistics
Main field:	Statistics
Specialisation:	G2E - First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contains degree project for BA/BSc

Decision

This syllabus was approved by the Board of the Department of Statistics on October 15, 2008, and revised on March 12 2014.

Prerequisites and special admittance requirements

Statistics I, first level, 30 ECTS credits and Statistics II, first level, 30 ECTS credits or equivalent.

Course structure

Examination code	Name	Higher Education Credits
11SA	Thesis	13.5
OP12	Opposition	1.5

Course content

The course consists of one course unit: 1. Degree project, essay, opposition, and attendance at seminars

The course mainly consists of an independent study within some statistical field, which should be documented in the form of a thesis and defended at a seminar. The election of field is made in part according to the interests of the student but may also be suggested by the supervisor.

The course provides knowledge of planning, conducting and reporting of an independent degree project, in terms of processing theoretical and practical problems. The course also provides knowledge of how to critically review a statistical study, what scientific literature exist in statistics and how to look for references, how to outline and write a scientific report and how to present and discuss one's own- and other's results orally.

Furthermore, the course gives an orientation about up to date statistical research questions, through participation in research seminars.

Learning outcomes

To pass the course the student shall be able to:

- critically and independently formulate a statistical problem
- independently plan and with adequate methods solve a statistical problem within an agreed timeframe
- show specialised knowledge within a field of statistics

- search for knowledge within different statistical fields, including up to date research
- analyze, assess and tackle advanced statistical problems
- in writing document and assess a scientific work
- orally and in writing present and debate conclusions and the knowledge and arguments that these conclusions are based on
- show an ability to make assessments within the field of statistics, regarding relevant scientific, societal and ethical aspect
- to take research ethics in one's own- and other's degree projects into account

Education

The teaching forms consists of lectures, exercises, seminars and tutoring. A student who have started the degree project is entitled to in sum 8 hours of tutoring by a supervisor.

In special circumstances, students are entitled to change supervisor. Any such request must be made to the director of studies, who will administrate the change if the teaching resources allows it.

Forms of examination

a. Examination will be done by assessing the learning outcomes. Examination will be in the form of a written and oral presentation.

b. Grading is done according to a seven-point scale related to the specified learning outcomes:

A = Excellent

B = Very Good

C = Good

D = Satisfactory

E = Adequate

Fx = Inadequate

F = Totally Inadequate

c. The degree project will be assessed according to the following assessment criteria: Completion of the degree project, form, defining the research questions, delimitations, knowledge on the theoretical background, interpretation and analysis of the results, ability to adopt a critical position in relation to the material used in the study, use of literature, independence, ability to keep to the agreed timetable for the project, oral and written presentations of the project, oral and written discussions of other's projects, and participation in seminars. How the assessment criteria will be weighted will be stated in the assessment criteria for the course will be distributed at the beginning of the course.

d. In order to pass the course, the grade E or higher is required on the course unit 1.

e. Students who receive the grade Fx or F on an examination are entitled to at least four additional examinations to achieve the grade E or higher, as long as the course is still given.

Supplementary work on the project might be allowed if the student has received the grade Fx. The work should be done within an agreed time table when the examiner has stated which supplementary work is needed.

Students who receive the grade E or higher on an examination may not retake the examination in order to attempt to achieve a higher grade.

Students who receive the grade Fx or F on an examination twice by the same examiner are entitled to request that a different examiner will be appointed to set the grade of the course. Such a request must be in writing and sent to the head of the department. Here, the term examination denotes all compulsory elements of the course.

Interim

Students can request examination in accordance with this syllabus once per semester during a period of three semesters after the course is no longer given. Such a request must be in writing and sent to the head of the department.

Limitations

The course can not be included in a degree together with the course Degree project, Statistics(ST302G) 15 ECTS credits, or equivalent

Misc

A student who does not finish a commenced degree project on time when the course is given does not have the right to more tutoring. The student does have the right to get his or her degree project evaluated during

the following examination opportunity. A student who does not finish a commenced degree project on time when the course is given loses the possibility to have the completed work assessed for any other grade than a C as highest, unless certain circumstances exists.

Required reading

The course literature is described in an appendix to the syllabus.