Faculty of Social Sciences

SIMM32, Social Sciences: Quantitative Methods - Multivariate Analysis, 7.5 credits

Samhällsvetenskap: Kvantitativ metod - multivariat analys, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Graduate School Board on 2015-11-19 and was last revised on 2018-11-26. The revised syllabus applies from 2018-12-13, spring semester 2019.

General Information

The course is offered as a single subject course in Social Science and is an optional course within the Master of Science in Social Sciences Programmes in Development Studies, Global Studies, and Social Studies of Gender.

Language of instruction: English

Main field of studies	*Depth of study relative to the degree requirements*
Social Anthropology	A1N, Second cycle, has only first-cycle course/s as entry requirements
Sociology	A1N, Second cycle, has only first-cycle course/s as entry requirements
Education	A1N, Second cycle, has only first-cycle course/s as entry requirements
Political Science	A1N, Second cycle, has only first-cycle course/s as entry requirements
Gender Studies	A1N, Second cycle, has only first-cycle course/s as entry requirements
Sociology of Law	A1N, Second cycle, has only first-cycle course/s as entry requirements
Social Work	A1N, Second cycle, has only first-cycle course/s as entry requirements
Human Geography	A1N, Second cycle, has only first-cycle course/s as entry requirements

Development Studies	A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

On completion of the course, the student shall:

Knowledge and understanding

- demonstrate knowledge of the multivariate statistical techniques most commonly used within the social sciences;
- demonstrate an understanding of the kind of research questions that each technique can be used to address;

Competence and skills

- exemplify skills in performing an analysis using the different techniques covered in the course, including but not limited to multiple regression analysis, logistic regression and factor analysis;

Judgement and approach

- be able to independently and critically reflect on the relationship between complex research questions and statistical techniques
- be able to independently and critically reflect on, and make informed decisions with regard to, core methodological issues the context of the application of the statistical techniques taught in the course

Course content

This course is aimed towards students who have some prior knowledge of quantitative methods and wish to further develop their understanding of, and ability to independently perform, statistical analysis of social science research questions. Some of the multivariate statistical techniques most commonly used within the social sciences are presented and practiced. The focus lies on the relationship between complex research questions and different multivariate statistical techniques.

Course design

Teaching includes lectures teacher assisted exercises in practical statistical analysis (computer lab work). Attendance is not compulsory but students are highly recommended to participate in as much as possible.

Assessment

Each statistical technique is examined separately in "lab reports". The concepts on which the lab reports are based are introduced in conjunction with respective lecture and designed as to be possible to finish within 1-2 days.

The course includes opportunities for assessment at a first examination, a re-sit close to the first examination and a second re-sit for courses that have ended during that school year. Two further re-examinations on the same course content are offered within a year of the end of the course. After this, further re- examination opportunities are offered but in accordance with the current course syllabus.

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.
The grade for a non-passing result is Fail. The student's performance is assessed with reference to the learning outcomes of the course. For the grade of E the student must show acceptable results. For the grade of D the student must show satisfactory results. For the grade of C the student must show good results. For the grade of B the student must show very good results. For the grade of A the student must show excellent results. For the grade of Fail the student must have shown unacceptable results.

The overall course grade consists of the average grade of all assessed lab reports. For a grade of Pass on the entire course, the student must have been awarded at least E on all assessments for which the grading scale A–E+Fail applies.

At the start of the course, students are informed about the learning outcomes stated in the syllabus and about the grading scale and how it is applied on the course.

Entry requirements

To be eligible for the course the student must have 150 credits including a graded thesis for the degree of Bachelor, or a completed major, in the Social Sciences, or another equivalent subject. In addition, students must have a minimum of 5 credits, or the equivalence, in quantitative methods at the first cycle level.

Oral and written proficiency in English equivalent to English 6/B (advanced) from Swedish upper secondary school is a requirement. International qualifications will be assessed in accordance with national guidelines.

Subcourses in SIMM32, Social Sciences: Quantitative Methods - Multivariate Analysis

Applies from V19

1901 Lab work, 7,5 hp
Grading scale: Fail, E, D, C, B, A

Applies from V16

1501 Quantitative Methods - Multivariate Analysis, 7,5 hp
Grading scale: Fail, E, D, C, B, A