



Course syllabus

Faculty of Social Sciences

Department of Political Science

4XA110 Kvantitativa metoder i samhällsvetenskaperna, 7.5 credits
Quantitative methods in Social Science

Main field of study

Peace and Development Studies, Sport Science, Education, Social Work, Political Science, Sociology

Subject Group

Other Interdisciplinary Studies

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved 2022-06-15

Revised 2022-06-15 by Faculty of Social Sciences. Revision of course literature.
The course syllabus is valid from autumn semester 2022

Prerequisites

General entry requirements for second-cycle studies and specific entry requirements: minimum 90credits in Peace and Development Studies, Sport Science, Pedagogy, Social Work, Sociology or Political Science, or the equivalent.

Objectives

After completing the course, students shall be able to:

- Account for and critically and independently apply quantitative methods in social science research.
- In academic writing, independently present analyses on the basis of a quantitative method.
- Orally and in writing, account for arguments and conclusions in the course literature discussions with teachers and other students.
- Orally and in writing, critically review and problematise research findings based on a quantitative method.

Content

The course discusses key elements in the research process, emphasising the quantitative

methods, problem definition, research design and choice of method, data acquisition, analysis methods, and presentation of results. The course aims to have a general view in these respects.

The course will include the following main components:

- Fundamentals of statistical analysis
- Univariate and Bivariate analysis
- Multivariate analysis
- Sampling and significance

Type of Instruction

Teaching is conducted in the form of lectures and practical assignments, workshops and/or seminars.

Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

Grade A represents the highest grade on the scale, and the subsequent grades follow in descending order, where grade E is the lowest grade that qualifies as a Pass. A grade of F means that the student's performance is assessed as Fail. Fx is not a grade and is only used when a student is permitted to supplement his/her examination.

Students who fail to receive the grade of Pass (i.e. they have received the grade of F) at the scheduled examination date will have the opportunity to retake the exam close to the original exam date.

The examination consists of one individual/group based written assignment, assessed by the grades of pass or fail, and a final individual exam. In order to pass the course, students are required to earn a pass grade on the individual/group based assignment as well as on the final exam. The final exam yields a maximum of 30 points and (provided a pass grade on the individual/group based assignment) determines the course grade according to the following A–F scale: A=27–30 points; B=24–26 points; C=21–23 points; D=18–20 points; E=15–17 points; F=0–14 points.

Course Evaluation

A course evaluation is carried out either during or at the end of the course. Results and analysis of the evaluation are presented to the students who have completed the course and new students on the following course date. The course evaluation is conducted anonymously.

Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 4XA100 Methods in Social Science (15 credits) with 7.5 credits

Required Reading and Additional Study Material

Required Reading (In English)

Babbie, E., Halley, F.S., Wagner, W.E. III and Zaino, J. (2018, Tenth Edition), *Adventures in Social Research – Data Analysis Using IBM SPSS Statistics*, Sage Publications, Thousand Oaks, CA.

Aneshensel Carol. S. (2012, Second Edition) *Theory-based data analysis for the social sciences*. Thousand Oaks, CA.

Pallant, Julie. SPSS Survival Manual: (Latest edition) A Step by Step Guide to Data Analysis Using SPSS. 4th ed. Maidenhead, Berkshire, England: McGraw Hill. (LNU library).

Course literature in Swedish

Edling, C. & Hedström, P. (Latest edition). *Kvantitativmetoder: Grundläggande Analysmetoder för Samhälls- och Beteendevetare*. Lund: Studentlitteratur.