SYLLABUS

Quantitative methods in social sciences 1 7.5 credits P0073A

Samhällsvetenskaplig kvantitativ metod 1

Course syllabus admitted: Spring 2023 Sp 3 - Present

DECISION DATE
2022-06-16

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Quantitative methods in social sciences 1 7.5 credits P0073A

Samhällsvetenskaplig kvantitativ metod 1

First cycle, P0073A

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG	Psykologi	Psychology

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language +
Swedish upper secondary school courses Mathematics 2a or 2b or 2c, Social Studies 1b or 1a1+1a2.

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Examiner

Daniel Sörman

Course Aim

Knowledge and comprehension
After passing the course, the student should be able to:

- Demonstrate basic knowledge about research design, statistical concepts and analytical methods used in quantitative research.

Skills and abilities
After passing the course, the student should be able to:

- Apply quantitative methods applicable in psychological research
- Perform basic statistical analyses in quantitative method

Appraisal an approach
After passing the course, the student should be able to:

- On a basic level interpret and critically reflect upon results from quantitative analyses in the social sciences.

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Contents

The course focuses on the basics of quantitative methods in social sciences, and its application in psychological research.

The following areas are covered:

- Quantitative method
- Analyses of quantitative data, and how to execute it on a computer

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
The teaching within this course typically includes lectures, laboratory work, and self-studies. Analyses of data and computer laborations are mostly executed with support of statistical software's. The mandatory labs allow students to apply quantitative methods and analyses within the field of psychology.

Teaching materials will be accessed, and some communication will be made, on the internet-based course platform Canvas. Thus, specific demands on technical equipment and competences are needed.

The course literature and parts of the course may be given in English.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.
The learning outcomes will be examined through laboratory work (3,5 hp) and individual laboratory assignments (4,0 hp). All assignments in the course need to be completed to get a final grade on the course. Grade VG is needed on laboratory assignments in quantitative method (4.0hp) to receive a final VG grade on the course.

Remarks

The course replaces the former quantitative part of the course P0045A. Due to overlap, this course cannot together with P0045A be included in a degree, or in a course with similar content.

Students must register for the courses themselves, or contact HLT:s educational administration eduhlt@ltu.se, not later than three days after the quarter commences. Failure to do so can result in the place being lost. This rule also applies to students with a guaranteed place.

Study guidance is available in the learning platform Canvas before the start of the course. New student will find all the information you need at www.ltu.se/nystudent.
You who are already studying at Luleå University of Technology will find information about course start in the schedule on the student web or through the course room in the learning platform which you can reach at "Mitt LTU".

Transition terms

This course corresponds to the quantitative part of the previous course Quantitative methods in social sciences, P0045A.

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Literature. Valid from Autumn 2021 Sp 1

Field, A. (2018). Discovering Statistics Using IBM SPSS Statistics – 5th edition. London: Sage.

Other literature, such as scientific articles, will be advised by the teachers.

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0003	Quantitative method - Laboratory work	U G#	3.5	Mandatory	S23	
0004	Quantitative method - Laboratory assignments	U G VG	4	Mandatory	S23	

Last revised

by Anna Öqvist, Director of Undergraduate Studies at the Department of Health, Education and Technology 2022-06-16

Syllabus established

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2020-02-14

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