

Faculty Board

Teaching Quantitative Methods

5 weeks (2 of which included in qualifying training in higher education teaching and learning)/2 weeks

Place of the course in the educational system

The course corresponds to 5 weeks of full-time working hours, of which the first 3 represent a professional development course and the last 2 serve as a continuation course in the Faculty of Social Sciences' qualifying training in higher education teaching and learning for university teaching staff.

Eligibility

The course is open to teaching staff and doctoral students employed at Lund University. Precedence is given to staff at the Faculty of Social Sciences. Space permitting, staff at other higher education institutions are also admitted.

Learning outcomes

On completion of the course, participants shall demonstrate

- knowledge of basic statistical concepts and methods of analysis (1)
- a basic understanding of the relationship between theory and statistical analysis (2)
- the ability to perform, interpret and present fairly simple statistical analyses (3)
- the ability to reflect on their own ability, as university teaching staff and from the perspective of different teaching methods, to contribute to students' learning within the areas covered by the course (4)

Content

The aim of the course is to increase the ability of the participants to teach quantitative methods at basic levels in the faculty's main fields of study. It is

integrated with *Introduction to quantitative methodology* in the sense that the participants follow this course but study texts on subject-didactic aspects of teaching quantitative methods and statistics in addition to the regular required reading, and reflect on them in relation to experiences from the course.

Teaching and assessment

The teaching includes lectures, laboratory exercises and a seminar. The participants must attend 70% of the teaching in order to pass the course. The participants' attainment of the learning outcomes is assessed on the basis of two papers: an 'analysis paper' presenting the results of an applied analysis (learning outcomes 1-3) and a 'reflection paper' in which the participants discuss individually selected aspects of the course content from a didactic perspective and on the basis of their own experiences and the required reading (learning outcome 4). Participants who already have knowledge of statistical analysis corresponding to the learning outcomes above and recent experience of having participated in or taught courses at the corresponding level have the opportunity to only write the reflection paper. In that case, the course represents two weeks of work and the only learning outcome to be assessed is the fourth one.