

Department of Business Administration

EHFE006, Quantitative Methods,
7.5 credits
Kvantitativa metoder,
7,5 HP
Third Cycle/Forskarutbildningsnivå

Details of approval

The syllabus was approved by the Department Board on 2011-05-12 and was last revised on 2018-05-21 by the same. The revised syllabus applies from 2019-01-01.

General information

The course EHFE006 is a course in Business Administration at the third cycle level. The course is compulsory for PhD students accepted to the PhD programme in Business Administration at Lund University School of Economics and Management.

Language of instruction: English

Main field of studies: Business Administration

Learning outcomes

Knowledge and understanding

A passing grade on the course will be awarded to students who:

- demonstrate understanding of the prerequisites and applicability of certain statistical methods to answering questions posed in management research.
- demonstrate understanding of the fundamental logic and reasoning underlying quantitative research.

Competence and skills

A passing grade on the course will be awarded to students who:

- are able to argue for choice of methods for retrieving information and presenting information
- are capable to choose and perform statistical analyses
- are able to use and refer to quantitative research in their own research
- are able to review articles based on basic methods of quantitative research within their own research field

Judgement and approach

A passing grade on the course will be awarded to students who:

- demonstrate ability to form arguments for research design and measurement, orally as well as in writing
- demonstrate an ability to make assessments of relevant statistical approaches for analysing problems in both scientific and public quantitative information.
- demonstrate an ability to make assessments with regard to ethical aspects of quantitative research
- demonstrate insight into the role of quantitative methodology in research and the responsibility of the individual researcher for how it is used

Course content

- Problematization and research designs
- Model building, quantification, and measuring
- Data visualization
- Basic statistical inference (Uni- and bi-variate analysis)
- Introduction to multivariate statistical analysis
- Common research methods for scientific publication

Course design

The course is designed as a series of lectures, laboratory exercises, and seminars.

Assessment

To pass the course, students will be expected to read the listed literature, participate at lectures and workshops, perform statistical tasks, and complete written assignments during as well as at the end of the course. To pass the course the participant must actively take part in the scheduled activities and have all assignments approved. Specifically:

1. Individual exercises using statistics software with questions and reflections for each analysis.
2. Analysis, review and reflections on quantitative studies published in scientific journals.
3. Analysis, review and reflections on quantitative methods in master's theses.
4. Individual reflection diary on the learning process with respect to statistical thinking.

Credits

Grades are Pass or Fail.

Plagiarism is considered to be a very serious academic offence. The University will take disciplinary actions against any kind of attempted malpractice in examinations and assessments. The penalty that may be imposed for this, and other improper practices in examinations or assessments, includes suspension from the University for a specific period of time.

Entry requirements

PhD students accepted to the PhD programme in Business Administration or an adjacent subject are eligible for the course.

Course literature

See separate literature list.