



# FAI3012 Quantitative Methods, Structural Equation Modelling - LISREL 7.5 credits

Kvantitativa metoder, strukturekvationsmodellering LISREL

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

## Establishment

Course syllabus for FAI3012 valid from Autumn 2019

## Grading scale

P, F

## Education cycle

Third cycle

## Specific prerequisites

Admission to postgraduate studies.

## Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

## Intended learning outcomes

The course aims to deepen understanding of how quantitative methods used in business, by understanding how LISREL-methodology is used to develop the theory in business research.

## Course contents

The course will focus on how quantitative methods can be used to develop the theory in business. To gain a deeper understanding of how work with quantitative methods is performed, the LISREL-method will be studied. The process of data processing from raw data to finished structure model will be studied. Emphasis will be on how the LISREL- method can be used as a tool to develop theory. The course applies an advanced statistical technique for developing concepts and theory. This is done by going through concrete examples where statistical results and theoretical notions developed in an interactive process that will result in thoughts that hold for publication in international research papers. To give the student a comprehensive view of the research process from idea to the finished article the review process will also be studied.

## Disposition

The course is conducted in seminar form.

## Course literature

Announced when the course starts.

## Examination

- UPP1 - Written report, 7.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

## Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.