



LUND
UNIVERSITY

School of Economics and Management

EKHM65, Economic History: Econometrics I, 7.5 credits *Ekonomisk historia: Ekonometri I, 7,5 högskolepoäng* Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Board of the Department of Economic History on 2018-03-06 and was last revised on 2023-01-17. The revised syllabus applies from 2023-02-01, autumn semester 2023.

General Information

This is a course at the graduate level, which can become part of a Master of Science degree. The course can also be studied as a single-subject course

Language of instruction: English

Main field of studies

Economic History

Depth of study relative to the degree requirements

A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

The student will acquire an understanding of essential underlying statistical concepts for basic and more advanced econometrics. The student will also learn the assumptions underlying multivariate linear regression (OLS), as well as obtaining a thorough understanding regarding how to appropriately model various associations, using continuous and categorical variables, nonlinear associations and interactions. Furthermore, the student will learn various model specification tests as well as how to interpret results from quantitative analyses using OLS regression. Additionally, the student will acquire knowledge in a statistical software through own hands-on empirical analyses.

More specifically, students will be able to:

Knowledge and understanding

- demonstrate knowledge about essential statistical concepts for econometrics;

This is a translation of the course syllabus approved in Swedish

- have a solid understanding of OLS regression and the assumptions that need to be fulfilled for it to be used in empirical research

Competence and skills

- be competent in how to appropriately model relationships using continuous and categorical variables, as well as how to model nonlinear relationships and interaction effects;
- competently interpret OLS regression results, from individual regression parameters to predictions based on the full model output;
- implement and interpret parameters and statistical tests for model fit;
- proficiently use computer software for data management and OLS regression (e.g. Stata)

Judgement and approach

individually perform and present an analysis of research questions relevant to economic history using OLS regression on empirical data, and interpret and discuss the results in the light of relevant theory.

Course content

The course is intended for students with limited experience with quantitative methods, providing the student with sufficient skills to competently conduct their own analysis of empirical data using OLS, as well as providing a solid foundation for more advanced level courses in econometrics. The instruction consists of lectures and labs, the latter allowing the students to learn how to implement applied skills in practice. The course places an emphasis on acquiring an intuitive understanding of essential underlying statistical concepts rather than being able to provide their algebraic proof. The student will learn the fundamental statistical theory underlying multivariate linear regression, as well as obtaining a thorough understanding regarding how to implement and interpret results from analyses common to Economic History.

The content of the course is delimited of both teaching and literature.

Course design

The course is designed as a series of lectures and data labs/exercises.

Assessment

Grading is based on individual performance, via written exams, hand-in exercises, paper, presentations, discussions, and other mandatory activities. All such exams will be assessed according to regular procedure.

The University views plagiarism very seriously, and will take disciplinary actions against

students for any kind of attempted malpractice in examinations and assessments. The penalty that may be imposed for this, and other unfair practice in examinations or assessments, includes suspension from the University. The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, E, D, C, B, A.

At the School of Economics and Management grades are awarded in accordance with a criterion-based grading scale UA:

- A: Excellent
- B: Very good
- C: Good
- D: Satisfactory
- E: Sufficient
- U: Fail

Grade (Definition). Characteristic

A (Excellent). A distinguished result that is excellent with regard to theoretical depth, practical relevance, analytical ability and independent thought.

B (Very good). A very good result with regard to theoretical depth, practical relevance, analytical ability and independent thought.

C (Good). The result is of a good standard with regard to theoretical depth, practical relevance, analytical ability and independent thought and lives up to expectations.

D (Satisfactory). The result is of a satisfactory standard with regard to theoretical depth, practical relevance, analytical ability and independent thought.

E (Sufficient). The result satisfies the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought, but not more.

F (Fail). The result does not meet the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought.

To pass the course, the students must have been awarded the grade of E or higher.

Students who do not obtain grades A-E on their written class room exam will be offered opportunities to retake the exam in which case the student will be assessed according to regular procedure. In the case of home exams that are handed in after the set deadline the teacher can: a) hand out a new exam which will be assessed according to regular procedure, b) may penalize the student by handing out a lower grade on the assignment in question unless the student can demonstrate special circumstances for the delay.

Entry requirements

Students who have not previously studied econometrics at the corresponding level and are enrolled in the following master's programmes are qualified for this course: EAETU Economic Growth, Population, and Development, EAIGH Innovation and Global Sustainable Development, EAGCH International Economics with a Focus on China.

Other students applying for this course should have at least 60 credit points in either economic history, economics, history, economic and social geography, sociology or the equivalent knowledge.

Further information

This course has previously been labelled EKHM12, EKHM21, EKHM25 and EKHM62 and cannot be included in a degree with any of these courses.

Subcourses in EKHM65, Economic History: Econometrics I

Applies from H23

2301 Econometrics I, 7,5 hp
Grading scale: Fail, E, D, C, B, A

Applies from H18

1801 Econometrics I, 7,5 hp
Grading scale: Fail, E, D, C, B, A