

Course curriculum EKHM62 Econometrics

Area of Science: Economic History, graduate level (progression level: A1N), 7.5 credit points (ECTS)

Approved by the Board of the Department of Economic History, Lund University School of Economics and Management 2012-08-22 and revised 2016-05-03.

1. Course level and placement within the educational system

This is a graduate level course, which can become part of a Master of Science degree. The course is mandatory at the master's programmes EAETU Economic Growth, Population and Development tracks EKDE Economic Demography (first year), EKHI Economic History (second year), EKUT Economic Development (second year), EAGCH International Economics with a Focus on China (second year) and EAISD (second year), as well as the Ph. D programme in Economic History. It is optional at the master's programme EAEUT Economic Development and Growth. The language of instruction is English.

2. Learning outcomes

On a general level the student will acquire advanced knowledge in the use of econometrics in economic history. More specifically, to pass the assessments students will be able to:

- analyze empirical data with the help of multivariate linear regression and limited dependent variable models using cross-sectional data from economic demography and economic history;
- test regression models with statistical tests (diagnostic checking) to ensure that the estimates fulfill the theoretical requirements for econometric modeling;
- distinguish between the handling of cross-sectional and time series data and demonstrate knowledge about the basics of time series analysis;
- use computer software for econometric analysis (e.g. STATA, Eviews);
- individually perform and present an analysis on a subject from economic demography or economic history using econometric models on empirical data, and interpret as well as discuss the results in the light of economic or demographic theory.

3. Course content

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

Overall structure and content

The course consists of two parts. The first part consists of theory and methods relating to multivariate linear regression, limited dependent variable regression and basics of time series analysis. It also considers how to apply these methods, with examples of how such methods are used in economic demography and economic history. This part also introduces computer software (STATA or comparable) for quantitative analysis. In the second part of the course, students analyze a quantitative problem using actual data from economic demography or economic history, and report results in individual papers.

4. Teaching and assessment

The course is designed as a series of lectures, exercises and work with projects reports. Grading is based on individual performance, via written exams, paper, presentations and other mandatory activities. Attendance at no less than three of four teaching occasions is required.

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.

5. Grading scale

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

Students have to receive a grade of E or higher in order to pass a course.

| GRADE | CHARACTERISTIC | CRITERIA |
|-------|----------------|--|
| A | Excellent | A distinguished result that is excellent with regard to the following aspects – theoretical depth, relevance for the subject matter, analytical ability and independent thought. |
| B | Very good | A very good result with regard to the above mentioned aspects. |
| C | Good | The result is of a good standard with regard to the above mentioned aspects and lives up to expectations. |
| D | Satisfactory | The result is of a satisfactory standard with regard to the above mentioned aspects and lives up to expectations. |
| E | Sufficient | The result satisfies the minimum requirements with regard to the above mentioned aspects, but not more. |
| U | Fail | The result does not meet the minimum requirements with regard to the above mentioned aspects. |

6. Prerequisites

Students accepted for the following master's programmes are qualified for this course: EAETU Economic Growth, Population, and Development, EAISD Innovation and Spatial Dynamics, EAGCH International Economics with a Focus on China and EAEUT Economic Development and Growth. 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.

7. Literature

For the current reading list, see separate document.

8. Miscellaneous

This course has previously been labelled EKHM12 and EKHM21 and cannot be included in a degree with these courses.