Course syllabus

School of Business and Economics

Department of Economics and Statistics

4NA070 Empiriska metoder inom nationalekonomi, 7,5 högskolepoäng
4NA070 Empirical Methods in Economics, 7.5 credits

Main field of study
Economics

Subject Group
Economics

Level of classification
Second Level

Progression
A1F

Date of Ratification
Approved by School of Business and Economics 2019-05-29
The course syllabus is valid from spring semester 2020

Prerequisites
General entry requirements for secondcycle studies and specific entry requirements:

- Bachelor Degree in Economics, or in another social science or natural sciences or the equivalent
- a minimum of 90 credits in Economics
- a minimum of 15 credits in Statistics or in time series analysis and regression analysis or the equivalent
- Advanced mathematical economics, 7.5 credits
- English B/English 6 or the equivalent

Objectives

After completing this course the student should be able to:

- explain the idea behind econometric methods to isolate causal effects in the analysis of economic problems
- apply the most common econometrics methods on economic problems
- explain how selection affects the ability to isolate causal effects and explain and use methods to solve the selection problem
- reflect critically on ethical issues in empirical studies in economics

- value and identify strengths and weaknesses of empirical studies within economics
- both orally and in writing interpret, report and summarize results of conducted regression analyses

Content
The course contains:

- the selection problem and randomization
- panel data and panel data methods such as fixed effects and difference-in-differences
- instrumental variable analysis
- regression discontinuity design
- experimental and quasi-experimental methods

Type of Instruction
The teaching consists of lectures, laboratory sessions and seminars. Dates for compulsory elements are stated in the schedule.

Examination
The course is assessed with the grades A, B, C, D, E, Fx or F.

The course is examined through a written examination and laboratory sessions and presentations of these.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail. Grading criteria for the A–F scale are communicated in writing to the student by the start of the course at the latest, as well as how the weighting and weighting of grades on individual examining elements to the final course grade takes place. The basis for the student's grade is determined by the student's fulfillment of the objectives.

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University. Students who are close to the passing grade of reports can complement after instructions and time-frame given by the examiner to obtain a pass grade.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

Course Evaluation
During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

Credit Overlap
The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: The course overlaps 4NA050 7,5 credits.

Required Reading and Additional Study Material

Required reading

Angrist, J. D. & Pischke, J. S. *Mostly Harmless Econometrics: An Empiricist's Companion*. Latest Edition. About 370 pages.

Stock, J. H. & Watson, M. W. *Introduction to Econometrics*. Latest edition. About 840 pages.

Scientific articles. About 300 pages.