

Course syllabus for PhD course

Course part of the research school: People, Society and Sustainability

Department of Economics/Department of Urban and Rural Development

Experimental Economics for Sustainable Development

Experimentell ekonomi för hållbar utveckling

Higher education credits

3 HEC

Subject

Other social science

Course type

Subject course

Language

English

Prerequisites

Accepted as a PhD student in social science/business studies/economics (interested students from other subject areas may join upon agreement)

Objective

Upon completion of this course, the students will be able to:

- Describe the history and recent research in the field of Experimental Economics with a special emphasis on experiments addressing sustainability challenges
- Develop initial experimental designs in the field of economics with a focus on sustainability
- Discuss basics of statistical power in the design of an experiment
- Discuss potential and limitations of experimental approaches

Content

- History, classification, and empirical examples of economic experiments
- Overview of experiments with strategic interdependence, decision-theory experiments, experimental consumer research
- Principles of experimental design
- Power calculations for economic experiments
- Ethical considerations for economics experiments

Examination

- Students present one recent research paper in the field, assigned by the course leader not later than four weeks before the start of the course; apart from the presentation, students write a short research proposal (of not more than three pages) on how to extend the experimental design of the paper they were assigned to
- Students submit an assignment on power calculations
- Students, in groups of up to four people, present an initial idea/design for an experiment in relation to sustainable development

Contact for application and further information

Jens Rommel, jens.rommel@slu.se

Literature

- Jacquemet, N., & l'Haridon, O. (2018). *Experimental economics*. Cambridge University Press. (main background book)
- Glennerster, R., & Takavarasha, K. (2013). *Running randomized evaluations*. Princeton University Press.
- Moffatt, P. (2020). *Experimetrics: Econometrics for experimental economics*. Bloomsbury Publishing.
- Additional literature will be provided before the course

Additional Information

This course is part of the research school People, Society and Sustainability, a joined research school between the Department of Economics and the Department of Urban and Rural Development.

Preliminary schedule

Thursday, March 21, 2024

13 – 16 Lecture: Introduction to course and economic experiments and randomized impact evaluations; Types of experiments (individual decision-making/preference elicitation, game theory experiments, field experiments/RCTs)

Friday, March 22, 2024

13 – 16 Lecture: Principles of experimental design

Friday, April 12, 2024

13 – 16 Paper seminars; students present one research paper (10 mins presentation + 5 mins of discussion)

Tuesday, April 14, 2024

13 – 15 Seminar: Introduction to power exercise

Tuesday, April 16, 2024

13 – 15 Seminar: Introduction to power exercise

Tuesday, April 23, 2024

13 – 14 Lecture/exercise: Ethical considerations

14 – 16 Group presentation

Friday, April 26, 2024

Deadline for power analysis assignment