

Class announcement

General information

Title:	Methods in Neuroeconomics and Neurofinance (3 ECTS)
Time:	Wednesday 9.15-13.00 (every other week)
Dates:	27.2. / 13.3. / 27.03. / 10.4. / 15.5.
Location:	P_S02, Uni Pignon (next to Uni Mail) (some classes may be held in the Behavioral Lab at Uni Mail next to Uni Pignon)
Student evaluation:	Project & presentation
Instructor:	Prof. Kerstin Preuschoff
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Guest lecturers:	Dr. Ewa Miendlarzewska, Prof. Giuseppe Ugazio
TA:	Mohsen Falahi
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Overview

This class teaches interdisciplinary research that integrates experimental methods and models from different fields such as neuroscience, economics, psychology and computer science.

Based on the students individual questions and projects this class explores different experimental methods and computational models used in neuroeconomics and neurofinance.

During the semester students will

- Identify a research project of interest in Neuroeconomics & Neurofinance
- Choose appropriate research methods for a given research question.
- Learn how to design and conduct a behavioral experiment.
- Prepare a research report (oral or written) to present data and methods.
- Discuss your project with fellow students in class.

The course will be taught in the form of 4-hour long workshops. Some workshops will introduce different methods and models in decision making depending on the individual projects. Others will take place in the behavioral lab where students will learn to conduct a behavioral experiment.

Topics may include behavioral experiments, neuroimaging methods, models of decision-making and learning and understanding what you can and cannot do with different methods.

Taking "Introduction to Neuroeconomics and Neurofinance", also offered in the spring will be helpful but is not necessary.

Requirements

A background in economics, neuroscience, psychology, computer science or related field. An interest in interdisciplinary research.

Curiosity and the willingness to explore new ways of learning.

Evaluation

Project & presentation.