

# **RESEARCH METHODS AND DATA ANALYSIS IN EDUCATION**

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## **Short description of the course**

Students get a short introduction to the basics of education research. They learn how to design a study, how to form research questions, and make a hypothesis, which is based on the review of the literature. During the course we have a look on quantitative and qualitative methods as well. However, in the second part of the semester, the main focus is on quantitative data analysis, including data management. The course is recommended for students who are interested in research methodology, and want to carry out their own research in the future.

## **Main topics of the course**

- Introduction to educational researches
- Research Design
- Review of literature
- Research question and hypothesis
- Empirical Methods in Education
- Qualitative studies
- Quantitative measures
- Data analysis and management
- Data analysis in practice
- Basics of academic writing

## **Language**

At least intermediate level (B2) in English (speech and writing) is required

## **Maximum number of students**

25

## **Room and instruments**

Computer Laboratory, MS Office, SPSS