

Experimental Methods

A 3-day course for PhD students with

Prof. Dr. Bert Bakker
(Universiteit van Amsterdam)



28.06. – 30.06.2023

Room -3.2, Floor -3, Technicum 1,
Sint-Pietersnieuwstraat 41,
9000 Gent

Registration open to all PhD students until 12.06.2023 via
<https://event.ugent.be/registration/experimentalmethods>

Priority will be given to those affiliated with Ghent University, The University of Antwerp, Vrije Universiteit Brussel, and the University of Liège. Registration is free of charge for members of the Doctoral Schools (lunch and coffee/tea included).

Short course outline

Day 1: 28.06.2023, 2pm-5pm

- Asking the right questions: the logic of causal inference
- Principles of experimental design

Day 2: 29.06.2023, 9am-5pm

- Manipulation & operationalization
- Planning experiments: power analyses
- Introduction to open science & the use of pre-analysis plans to specify specific experiments

Day 3: 30.06.2023, 9am-5pm

- Analysing experiments
- Moderation and the difficulties of mediation analyses
- Laboratory and lab-in-the-field experiments
- Field experiments

Evaluation criteria:

- 100% attendance
- A pre-analysis plan that contains a research question, hypotheses, design, stimulus material and planned analysis (5 pages) that is handed in within two weeks after the last day of the course.
- Grading takes the form of 'pass' or 'fail' and after successful participations, the course will be added to your Doctoral Training Programme.

About Bert Bakker

Bert Bakker is an Associate Professor for Good Research Practices at the Amsterdam School of Communication Research (University of Amsterdam). He has published survey, laboratory, and lab-in-the-field experiments in the past years in leading journals such as *Nature Human Behaviour*, the *American Political Science Review*, and the *Journal of Politics*. Professor Bakker has experience with both within and between-subjects designs and his designs are known for their innovation and rigorosity. He has designed, analysed, and reported experiments embedded in two-wave surveys, conjoint experiments, experiments that include the tracking of eye-movements, and experiments that include videos while at the same time collecting physiological measures. Bert Bakker is an internationally recognized expert on experimental methods and he is currently the senior associate editor of the *Journal of Experimental Political Science (JEPS)*. JEPS is the flagship experimental journal for political scientists and a frontrunner in pushing openness and transparency. Moreover, Professor Bakker has extensive experience teaching experimental methods. In the Research Master of the Amsterdam School of Communication Research he, for years, has taught the mandatory course 'Experimental Methods for the Social Sciences'. Please find more information here: <http://www.bertbakker.com/>

For further questions, please contact: lisa.janssen@ugent.be

DOCTORAL SCHOOLS