

Course: Empirical research in economics

Teaching hours: 30h

Prerequisites: The course is primarily open to all PhD students at Gdansk University of Technology.

This course is compulsory for PhD students assigned to Economics&Finance track at Doctoral School of GUT

Course outline

Content

This course is designed to provide students practical skills in preparing high quality research in the field of Economics and Finance. The course major aims are to prepare students to run high quality research with the use of quantitative and qualitative research methods, and hence to develop a full-length work that may be potentially submitted to highly-ranked academic journals. The students will be guided from fundamentals on how to develop such paper, from setting the context and background of their study, defining rigidly research targets and hypotheses, identifying adequate methods, preparing material for analysis, running the analysis itself and concluding. The students will use a wide variety of freely available statistics from databases, like *inter alia* Eurostat, World Telecommunication/ICT Indicators Database, World Development Indicators or Labour Force Surveys.

The students will be asked to choose a paper from selected academic journal indexed in WoS/Scopus bases and then try replicate the research provided, or – alternately develop its own research.

During the course students will use statistical software like for instance: *Stata, Statistica, R, Visio, Gretl, SAS, Matlab*.

Teaching mode

There will be 30 hours of laboratories, to be completed during the first and/or second semesters of PhD programme. The teaching method is basically exercises using qualitative and quantitative research methods, combined with active discussion and students participation, and specific tasks to be completed using dedicated software. During the course students will be asked to think critically, analyse and interpret the results of their work. The course is entirely delivered in English.

Examination

A wide range of formative feedback from your tutor, questions and practical individual and group exercises will be used by tutors to aid learning as will exercises to encourage the researchers' abilities in critical and reflective learning. The exact nature of these assessment devices will be at the discretion of the tutor.