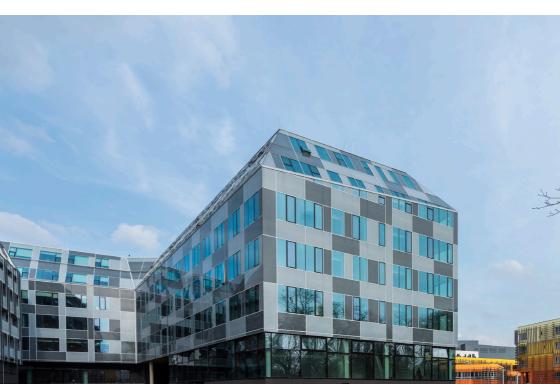
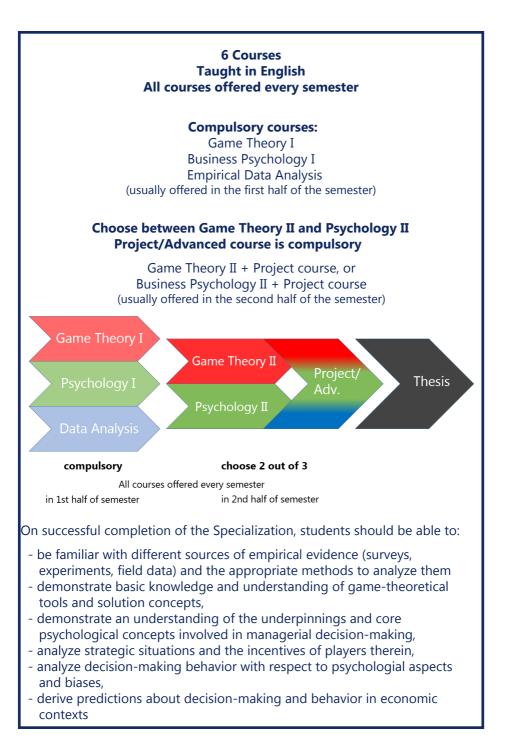
Specialization Decision Sciences: Game Theory, Psychology, and Data Analysis

Institute for Cognition and Behavior &

Institute for Markets and Strategy







The Courses

Empirical Data Analysis (PI, 2 SWS)

- Empirical identification problem
- Basic and multiple regression
- Instrumental variables, regression discontinuities analysis
- Laboratory, online, and field experiments
- Time series data analysis

Game Theory I: Strategic behavior (PI, 2 SWS)

- Basics of game theory, what is a strategy?
- Markets: Competition and collusion, market structure
- Markets: Timing and commitment
- Bargaining and negotiation, committee agenda setting
- Cooperation, common pools and public goods

Game Theory II: Information (PI, 2 SWS)

- Advanced concepts in game theory, imperfect information
- Reputation
- Private value auctions
- Common value auctions
- Signaling and cheap talk

Business Psychology I (PI, 2 SWS)

- Motivation & incentives
- Attitude development & perception
- Judgment & decision making
- Social Cognition and blind spots
- Manipulation, nudging, and practical implications

Business Psychology II (PI, 2 SWS)

- Leadership behavior & power
- Group structure & process
- Interpersonal communication
- Trust and cooperation
- Emotions/action/norms

Project / Advanced Course (PI, 2 SWS)

The specific design and offerings of this course may vary from term to term, in order to cater to the heterogenous skills/interests of students and depending on the availability of real-world business projects.

To apply:

 Register for AG Access to Specialization: Decision Sciences: Game Theory, Psychology, and Data Analysis in LPIS

• Upload your CV, Performance Record and Motivational letter and fill out the application form on CANVAS

Preconditions for non-BBE Students:

- STEOP: Intro BWL, Intro VWL, Math
- CBK: Stats
- or equivalent

Preconditons for BBE Students:

- Business and Society
- Foundations in Microeconomics
- Quantitative Methods 1+2 or equivalent Introductory Phase

We accept a limited number of 50 students per term.

We are looking for students who are clever, creative, and analytical.



For more information, please visit www.wu.ac.at/ims