Module title	Abbreviation
Applied Topics in Data Science in Business and Economics	12-M-TE-252-m01

Module coordinator	Module offered by
holder of the Chair of Data Science in Business and Economics	Faculty of Management and Economics

ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	graduate	--

Contents

This course aims to equip students with key empirical research methods and their applications in business and economics. The course will cover the development of empirical research ideas, research designs, data generation, data editing, and data analysis. The course will use a paper-based approach to introduce and apply these topics. Additionally, students will learn about existing panel datasets and be led to perform their own empirical research. Students that attend this course should have advanced knowledge in statistics and econometrics.

Intended learning outcomes

By the end of the course, students will have a comprehensive understanding of how to conduct empirical research in business and economics.

Courses (type, number of weekly contact hours, language — if other than German)

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Module taught in: English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

portfolio (approx. 50 hours)
Language of assessment: English
Assessment offered: In the semester in which the course is offered
creditable for bonus

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

Teaching cycle: each semester

Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Master's degree (1 major) Information Systems (2025)
Master's degree (1 major) International Economic Policy (2025)
Master's degree (1 major) Management (2025)
Master's degree (1 major) China Business and Economics (2025)
Master's degree (1 major) Economathematics (2025)