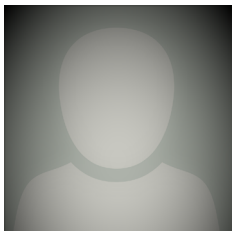
ACADEMIC TOOL – METHODS

Elementary - R1
Advanced - R1

Real Analysis and Multivariable Calculus

In cooperation with the GRADE Center GSEFM

Trainer



Filip Dávidík

Description

Notions of Logic and Set Theory

- Logical Connectives
- Quantifiers
- Sets and Functions

2. Sequences and Limits

- Convergence
- Limits

3. Functions of Several Variables

- Functions Between Euclidean Spaces
- Continuous Functions

4. Calculus of Several Variables

- Total Derivative
- Chain Rule
- Gradients and Hessians

Conditions

Participants are expected to have a solid undergraduate background in mathematics as is relevant for studies in economics, finance, accounting and marketing. Those missing some of this background are expected to have worked through the following reference prior to the beginning of the course:
Chiang, A.C. and K. Wainwright (2005): Fundamental Methods of Mathematical Economics, Mc Graw-Hill Irwin.

GRADE Center GSEFM

Organizational Information

Language / Format	English / On campus
Target group	Doctoral Candidates at all stages from all faculties
Date	Wednesday-Friday, 9-11 September 2026, 9:00 – 13:30 Monday-Tuesday, 14-15 September 2026, 9:00 – 13:30
Registration	For registration click here