

Real Analysis and Multivariable Calculus

In Cooperation with the GRADE Center GSEFM

Trainer



N.N.

Objective

The GRADE Center GSEFM opens its „pre-semester courses“, held by advanced PhD candidates, to all PhD candidates registered at GRADE. These courses cover different topics.

Description

1. 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. 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.

Organizational Information

Language	English
Target group	Doctoral Candidates at all stages from all faculties
Date	Wednesday-Friday, 15-17 September 2021, 10:00 – 12:00 & 13:00 – 15:00 Monday, 20 September 2021, 10:00 – 12:00 & 13:00 – 15:00
Registration	For registration click here