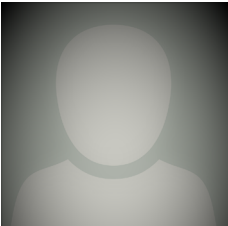


Static and Intertemporal Optimization

In cooperation with the GRADE Center GSEFM

Trainer



Luca Schmitz



Description

1. Unconstrained Static Maximization
 - Necessary and Sufficient Conditions
2. Static Maximization with Equality Constraints
 - Necessary and Sufficient Conditions
3. Maximization with Equality and Inequality Constraints
 - Necessary and Sufficient Conditions
4. Comparative Statics
5. Dynamic Programming
 - Principle of Optimality and Bellman's Equation
 - Contraction Mapping and Fixed Point
6. Optimal Control
 - Maximum Principle
 - Necessary and Transversality Conditions



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, McGRAW-HILL IRWIN.



Organizational Information

Language / Format	English / On campus
Target group	Doctoral Candidates at all stages from all faculties
Date	Tuesday-Friday, 22-25 September 2026, 9:00 – 13:30 Monday, 28 September 2026, 9:00 – 13:30
Registration	For registration click here