

IWH-DPE/CGDE

## Advanced Microeconomics

**Work load:** 150 hours / 6 ECTS

**Lecture:** Bi-weekly, 16 x 90 minutes / lecture format tba

**Begin:** 20.10.2021

**Time:** Wednesdays 10:30–12:00 and 13:00-14:30

### I. Theory of Demand and Production (Day 1)

- a) Demand Theory
- b) Production

**Date:** 20.10.2021

**Lecturer:** Dr Matthias Mertens, IWH

### II. Market Structure, Competitive Markets, And Market Power (Day 2)

- a) Competitive Markets
- b) Market Power

**Date:** 03.11.2021

**Lecturer:** Dr Matthias Mertens, IWH

### III. Uncertainty (Day 3)

- a) Expected Utility Theory

**Date:** 17.11.2021

**Lecturer:** Professor Dr Marcel Thum, TU Dresden & ifo Dresden

### IV. Games of Complete Information (Day 4)

- a) Simultaneous and Dynamic Games of Complete Information

**Date:** 01.12.2021

**Lecturer:** Professor Dr Marcel Thum, TU Dresden & ifo Dresden

### V. General Equilibrium (Day 5)

- a) Externalities and General Equilibrium Theory

**Date:** 15.12.2021

**Lecturer:** Professor Dr Martin Quaas, Leipzig University

## VI. Dynamic Equilibrium and Welfare (Day 6)

- a) Intertemporal Optimization and Welfare Economics

**Date:** 12.01.2022

**Lecturer:** Professor Dr Martin Quaas, Leipzig University

## VII. Games of Incomplete Information (Day 7)

- a) Bayesian Games

**Date:** 26.01.2022

**Lecturer:** Professor Shuo Xia, PhD, IWH and Leipzig University

## VIII. Informational Economics (Day 8)

- a) Hidden Information Problem (screening, signalling)
- b) Hidden Action Problem (moral hazard)

**Date:** 09.02.2022

**Lecturer:** Professor Shuo Xia, PhD, IWH and Leipzig University

## Venue

Halle Institute for Economic Research (IWH) – Member of the Leibniz Association, Kleine Maerkerstrasse 8, 06108 Halle (Saale), conference room (ground floor) or online via Zoom (depending on the COVID-19 regulations in place).

## Problem sets

There will be eight assignments throughout the term. At the end of each day, the lecturer will post assignments, which are due on the day before the next lecture (11.59 pm). In order to complete the course, six problem sets (at least one of every lecturer) will have to be successfully passed.

## Selected Textbook

Mas-Colell, A., Whinston, M. D., & Green, J. R. (1995). Microeconomic theory (Vol. 1). New York: Oxford university press.

Students are expected to read the relevant chapters of the book covered in class before the lecture. Additional lecture-specific literature will be announced separately.