Linnæus University

Dnr: LNU-2025/2977

Course syllabus

School of Business and Economics
Department of Economics and Statistics

4NA063 Avancerad Mikroekonomi, 7,5 högskolepoäng
Advanced Microeconomics, 7.5 credits

Main field of study
Economics

Subject
Economics

Level
Second cycle

Progression
A1N

Date of Ratification
Approved 2018-12-13.
Revised 2025-09-29. Prerequisites.

The course syllabus is valid from autumn semester 2026.

Prerequisites
Specific entry requirements:
7.5 credits in microeconomics, as well as English 6, or the equivalent.

Objectives
After completing this course the student should be able to:

- formally derive a market equilibrium starting from consumers' preferences and producers' production technologies
- formally derive a monopolist's optimal pricing strategy under different forms of price discrimination and regulation
- formally derive market outcomes under different forms of market failure

- apply game theory to formally analyse oligopoly markets, as well as simple mechanisms such as auctions and contests
- formally derive optimal contracts in principal-agent settings of asymmetric information

Content

The course covers standard as well as modern topics in microeconomics, including:

- analysis of consumer and producer behavior and derivation of market equilibrium
- monopoly and price discrimination
- oligopoly and cartels
- game theory and applications (auctions, contests)
- market failure (externalities, public goods)
- asymmetric information (moral hazard, adverse selection) and basic contract theory (principal-agent)

Type of Instruction

The teaching consists of lectures and exercises.

Examination

The course is assessed with the grades A, B, C, D, E or F.

The course is examined through an individual written examination 5.5 credits and a written group assignment 2 credits.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail.

Resit examination is offered in accordance with Linnaeus University's Local regulations for courses and examination at the first- and second-cycle levels.

In the event that a student with a disability is entitled to special study support, the examiner will decide on adapted or alternative examination arrangements.

Course Evaluation

A course evaluation should be conducted during the course or in connection with its conclusion. The results and analysis of the completed course evaluation should be promptly communicated to students who have completed the course. Students participating in the next course instance should be informed of the results of the previous course evaluation and any improvements that have been made, no later than at the start of the course.

Required Reading and Additional Study Material

Required reading
Gravelle, H. and Rees, R. *Microeconomics*. Latest edition. About 300 pages.

Reference literature
Scientific articles. About 100 pages.

Selected material from other microeconomics textbooks. About 100 pages.