



COURSE (MODULE) DESCRIPTION

Dalyko (modulio) pavadinimas lietuvių kalba	Course Title	Code
Mikroekonomika I	Microeconomics I	

Staff	Department
Coordinator: Associate Professor Yi Zheng Others(s):	Department of Economic Policy, Faculty of Economics and Business Administration

Study cycle	Course type
First	Compulsory

Mode of delivery	Period of implementation	Language of instruction
In class	Spring semester	English

Requirements for student	
Prerequisites: Completion of the Principle of Economics course. Familiarity with functions, graphs, and calculus.	Additional requirements (if any): N/A

Number of ECTS credits	Student's workload	Contact hours	Individual working hours
5	130	64	96

Purpose of the course unit (module): programme competences to be developed		
<p>This course provides the theoretical knowledge and practical skills needed to study how markets work and how economic agents make decisions under constraints. It develops students' economic thinking and encourages them to analyse, model, and interpret microeconomic processes and the relationships among them. Students learn the core categories of economic theory, models of consumer and firm behaviour in competitive markets, and the principles of welfare and policy analysis.</p> <p>By the end of the module, students will be able to:</p> <ol style="list-style-type: none"> 1. Apply formal economic models (preferences, technology, markets) to real decisions and policies; use optimization and comparative statics to derive predictions. 2. Analyse market outcomes (equilibrium, efficiency) and evaluate policy (taxes, price controls, subsidies) using surplus and welfare tools. 3. Work with uncertainty (risk preferences, expected utility) at an introductory level in consumer decisions. 4. Communicate results clearly in mathematical, graphical, and written forms; collect, interpret, and systematize economic information to present findings concisely. 		
Learning outcomes of the course unit (module)	Teaching and learning methods	Assessment methods
Explain and apply the supply–demand framework; predict equilibrium changes using comparative statics and interpret elasticities.	Lectures; Exercise sessions (problem sets published after each lecture); Interactive discussions and applications; Midterm exam and final exam (closed-book)	Midterm Exam (30%, Closed book) Final Exam (70%, Closed book)
Solve consumer choice problems under a budget constraint; derive Marshallian demand and interpret income vs. substitution effects (Slutsky).		
Evaluate consumer welfare and policy (taxes, subsidies, price controls) using surplus measures and simple incidence analysis.		
Represent risk and uncertainty using expected utility; relate risk aversion to choices (insurance, lotteries).		
Model firms and production (isoquants, returns to scale) and derive cost curves (short-run/long-run), connecting technology to cost.		

Assess competitive market outcomes (entry, exit, long-run equilibrium) and apply properties of the competitive model to real cases.		
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Content: breakdown of the topics	Contact hours							Self-study work:time and assignments	
	Lectures	Tutorials	Seminars	Practical classes	Lab works	Internship	Contact hours	Self-study	Assignments
1: Introduction, Supply and Demand	2		2				4	6	Reading: JMP Ch.1-2 Problem Set 1 Midterm & Final Exam
2: A consumer's Constrained Choice	3		3				6	9	Reading: JMP Ch.3 Problem Set 2 Midterm & Final Exam
3: Demand	3		3				6	9	Reading: JMP Ch.4 Problem Set 3 Midterm & Final Exam
4. Consumer Welfare and Policy Analysis	4		4				8	12	Reading: JMP Ch.5 Problem Set 4 Midterm & Final Exam
5. Uncertainty	4		4				8	12	Reading: JMP Ch.16 Problem Set 5 Midterm & Final Exam
6: Firms and Production	4		4				8	12	Reading: JMP Ch.6 Problem Set 6 Final Exam
7. Costs	4		4				8	12	Reading: JMP Ch.7 Problem Set 7 Final Exam
8. Competitive Firms and Markets	4		4				8	12	Reading: JMP Ch.8 Problem Set 8 Final Exam
9. Properties and Applications of the Competitive Model	4		4				8	12	Reading: JMP Ch.9 Problem Set 9 Final Exam
Total	32		32				64	96	

Assessment strategy	Share in %	Time of assessment	Assessment criteria
Midterm Exam	30	During the semester	Maximum 30 points.
Final Exam	70	During the exam session	<p>The exam will be in the form of a closed book test. The answers shall be assessed as follows:</p> <p>10 points: excellent knowledge and abilities; 9 points: very good knowledge and abilities; 8 points: good knowledge and abilities; 7 points: fair knowledge and abilities; 6 points: satisfactory knowledge and abilities. 5 points: Poor knowledge and abilities; answers provided for approximately one-third of the questions, with numerous errors. 4 to 0 points: unsatisfactory knowledge and abilities</p> <p>To pass the course, students need to score at least 50% on the final exam.</p>

Author	Published in	Title	Issue No.or Volume	Publishing house or Internet site
Required reading				
Jeffrey M. Perloff	2021	Microeconomics: Theory and Applications with Calculus	5 th Edition	Pearson
Hal R. Varian	2024	Intermediate Microeconomics: A Modern Approach	10 th Edition	W. W. Norton & Company
Supplementary reading				
Jehle & Reny	2011	Advanced Microeconomic Theory	3 rd Edition	Pearson
Hal R. Varian	1992	Microeconomic Analysis	3 rd Edition	W. W. Norton & Company
N. Gregory Mankiw	2024	Principles of Microeconomics	10 th Edition	Cengage Learning