

Subject card

Subject name and code	Microeconomics, PG_00172479						
Field of study	Mathematical Modeling and Data Analysis						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	Bachelor's studies		Subject group		Optional subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		6.0		
Learning profile	academic		Assessment form		exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Elżbieta Babula				
	Teachers		dr Elżbieta Babula				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	30.0	0.0	0.0	0.0	60
	E-learning hours included: 0.0						
	eNauczanie source address: https://mdl.ug.edu.pl/course/view.php?id=12911						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	60		10.0		80.0	150
Subject objectives	To introduce students to the modelling of decisions of the main economic agents under different market conditions. The subject is designed to help students understand the rules of behaviour of market participants and their consequences for individuals and the economy as a whole.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[MMiADL3_U08] is able to plan a way to solve a given problem and make a correct record of this solution, providing accurate and precise justifications for the correctness of their reasoning	The student is able to use the tools and methods to describe the situation on particular markets. He or she will be able to plan a solution to an economic problem, write down the correct solution, giving precise and accurate reasons for his or her reasoning.	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[MMiADL3_U07] can comprehensively, in speech and in writing, formulate definitions and theorems and present correct mathematical reasoning regarding the issues learned	Student is able to use a neoclassical model to assess the effects of subjects' decisions on the functioning of the economy. He/she is able to analyse scenarios of changes in a given market and their impact on the situation in other markets. He/she is able to assess the situation of an enterprise from the point of view of accepted economic criteria and to propose desirable directions of change.	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[MMiADL3_W08] knows and understands well the role and importance of proof in mathematics, as well as the concept of the significance of assumptions	Has advanced knowledge of the place and role of microeconomics in sciences; uses basic economic laws and categories related to the functioning of the market economy. Has advanced knowledge of the types of market participants and the criteria of economic choices. Knows the techniques of determining equilibrium in the neoclassical model for the decisions of different subjects.	[SW4] test/exam - oral or written [SW5] implementation of a problem task
	[MMiADL3_K02] is ready to precisely formulate questions to deepen his/her own understanding of a given topic or to find missing elements of reasoning	Students are aware of the level of their knowledge in the field of microeconomics, they understand the need to deepen it. He/she acquires the ability to discuss and express his/her views, as well as to pose questions and identify problems related to the functioning of the economic system.	[SK1] oral statement/conversation/discussion [SK5] implementation of a problem task [SK8] observation of student's independent or team work
Subject contents	1. Logic of economic choice 2. Supply and demand analysis 3. Theory of consumer behaviour 4. Theory of production, costs and producer economic performance 5. Perfect competition 6. Imperfect competition 7. Factor market 8. Imperfections in the market mechanism		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	group-work and individual assignments	51.0%	50.0%
	exam	51.0%	50.0%
Recommended reading	Basic literature	1. Kamińska T., Kubska-Maciejewicz B., Laudańska-Trynka J., Teoria podejmowania decyzji przez podmioty rynkowe, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2006. 2. Krugman P., Wells R., Mikroekonomia, PWE, Warszawa 2021. 3. Mankiw N.G., Taylor M.P., Mikroekonomia, PWE, Warszawa 2021.	
	Supplementary literature	1. Czarny E., Mikroekonomia, Polskie Wydawnictwo Ekonomiczne, Warszawa 2006. 2. Kamińska T., Krysińska A., Kubska-Maciejewicz B., Laudańska-Trynka J., Wybrane problemy z mikroekonomii - zadania, Wydawnictwo UG, Gdańsk 2013. 3. Varian H., Mikroekonomia, Wydawnictwo Naukowe PWN, Warszawa, 2013.	
	eResources addresses		

Example issues/ example questions/ tasks being completed	Open tasks
Work placement	Not applicable

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