



## Subject card

Subject name and code	Essentials of micro- and macroeconomics, PG_00045359						
Field of study	Data Engineering						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		English		
Semester of study	2		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Krzysztof Zięba				
	Teachers		dr hab. inż. Krzysztof Zięba				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	45.0	0.0	0.0	0.0	75
	E-learning hours included: 0.0						
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	75		4.0		46.0	125
Subject objectives	The goal of the course is to get students acquainted with foundations of micro- and macroeconomics, as well as with practical issues related to modern market economy operations.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U01] analyzes and evaluates complex processes in the context of their improvement possibilities, using various methods, including analytical and simulation		Students are able to analyze economic data and processes in enterprises, using analytical and simulation methods for their improvement		[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information		
	[K6_W01] identifies conditioning of the processes occurring in the analyzed systems and selects methods for solving them, using the accumulated knowledge and taking into account the mutual relations between the analyzed phenomena		Students are able to analyze the functioning of markets and economic systems and select methods for problem-solving, considering the relationships between processes."		[SW1] Assessment of factual knowledge		
	[K6_K02] makes competent and ethical decisions to create and maintain economic, social and environmental values		Students are able to make informed and responsible economic decisions in business management, aimed at creating and sustaining economic, social, and environmental value.		[SK5] Assessment of ability to solve problems that arise in practice		

Subject contents	Introduction to Economics Ten Principles		
	Economic Way of Thinking		
	Market in Action S-D Model of Market		
	Elasticity and Its Application		
	Price Controls, Consumer and Producer Surplus		
	Theory of Costs		
	Perfect Competition		
	Pure Monopoly		
	Oligopoly		
	Gross Domestic Product		
	Unemployment		
	Inflation		
	Government Budget		
	Money		
	Banking System		
Prerequisites and co-requisites	General knowledge level typical for a secondary school graduate.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written exam	60.0%	50.0%
	Three seminar tests	60.0%	50.0%
Recommended reading	Basic literature	N. Gregory Mankiw, Principles of Economics - 8th edition, Cengage Learning	
		Taylor, John B., Weerapana, Akila, Principles of Microeconomics 6th edition Cengage Learning	
	Supplementary literature	Harford T., Undercover Economist, Oxford University Press	
	eResources addresses	Adresy na platformie eNauczanie:	

Example issues/ example questions/ tasks being completed	Market failures include . and .  The concept of invisible hand of the market was developed by    1) Which of the following does NOT add to U.S. GDP?  a) General Motors builds a new auto factory in North Carolina.  b) Air France buys a plane from Boeing, the U.S. aircraft manufacturer.  c) The federal government sends a Social Security check to your grandmother.  d) The city of New York pays a salary to a policeman.  1) The city government is considering a following tax proposal - a tax of \$1 per-hot-dog, paid by producers of hot-dogs. Which curves would shift as a result of this tax?  a) AVC, ATC, MC  b) AVC, ATC  c) AFC, ATC  d) AFC, ATC, MC
Work placement	Not applicable

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