



## Subject card

Subject name and code	Microeconomics, PG_00040557						
Field of study	Engineering Management						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2021/2022		
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		blended-learning		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department of Economic Sciences -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Aniela Mikulska				
	Teachers		dr Aniela Mikulska				
Lesson types and methods of instruction	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: 30.0						
	Address on the e-learning platform: <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16305">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16305</a> Adresy na platformie eNauczanie: Mikroekonom. ZI - lato 2022 AM - Moodle ID: 16305 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16305">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16305</a>						
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		8.0		57.0	125
Subject objectives	Understanding of prices mechanism on a differently organized markets.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U08] analyses engineering and managerial solutions in decision-making processes, taking into account pro-quality and pro-environmental aspects, as well as safety of work processes		Student calculates end interprets the productivity of factors of production, the elasticity of demand and financial performance of the company.		[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools		
	[K6_K03] initiates creative and entrepreneurial activities in the organization using the knowledge of engineering management		Student calculates end interprets the productivity of factors of production, the elasticity of demand and financial performance of the company.		[SK5] Assessment of ability to solve problems that arise in practice		
	[K6_W03] has a basic knowledge of the relationship both within the organisation and between the organisation and the environment		Student analyses the influence of non-price determinants of demand and supply on the equilibrium market price.		[SW1] Assessment of factual knowledge		
	[K6_W01] has a basic knowledge of the nature of social sciences necessary to define basic concepts of economics and management		Student defines the main economic variables and distinguishes them.		[SW1] Assessment of factual knowledge		
	[K6_U01] interprets and analyses the phenomena and processes taking place in the economy and organisation using basic theoretical knowledge of economics, management and science		Student is able to describe and interpret microeconomic phenomena using known tools		[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools		

Subject contents	Introduction to microeconomics - consumption, production, market. Measurement of economic variables - stocks,flows and parametric variables. Consumption demand - preferences and budget constraints. Elements of the theory of cosumer behavior - indifference curve analysis. Demand reaction to changes in prices - price demand curve and price elasticity of demand. Demand reaction to changes in complementary and substitution goods" prices. Demand reaction to changes in income - Engel curve and income elasticity of demand. The theory of cost production and supply. The model of perfect competitive market. The model of pure monopolistic market. The model of monopolistic competitive market. The model of oligopolistic market. Production and demand for economic resources.		
Prerequisites and co-requisites	Matematyka		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	2 midterm colloquiums	60.0%	50.0%
	Written exam	60.0%	50.0%
Recommended reading	Basic literature	N. Gregory Mankiw, Mark P. Taylor, Microeconomics, PWE 2015 and newer edition;  Ossowski Jerzy Cz. Microeconomics, Coursebook on-line, Gdansk University of Technology 2021;  P. Krugman, R. Wells, Microeconomics, PWN 2020;	
	Supplementary literature	Varian H.R., Microeconomics, PWN, Warszawa 2013 and newer edition;  Economic psychology, Tomasz Zaleskiewicz, 2013, Wydawnictwo Naukowe PWN	
	eResources addresses	Podstawowe <a href="https://www.youtube.com/results?search_query=khan+academy+mikroekonomia">https://www.youtube.com/results?search_query=khan+academy+mikroekonomia</a> - Coursebook on-line/microeconomics <a href="https://pl.khanacademy.org/economics-finance-domain/microeconomics">https://pl.khanacademy.org/economics-finance-domain/microeconomics</a> - Coursebook on-line/microeconomics Uzupełniające  Mikroekonom. ZI - lato 2022 AM - Moodle ID: 16305 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16305">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16305</a>	
Example issues/ example questions/ tasks being completed	1.1. <i>Ceteris paribus</i> , decrease in meat price results in ( <i>decrease/increase</i> ) in demand for fish, because fish is ..... good in relation to meat. Therefore, the curve of demand for fish will shift to the ( <i>right/left</i> ) and as the result the equilibrium price of fish will ( <i>decrease/increase</i> ).  1.2 Show the situation on the fish market, described above, on the graph 3.  2.1 <i>Ceteris paribus</i> , decrease in oil price results ( <i>decrease/increase</i> ) in gasoline cost of production and the gasoline supply ( <i>decrease/increase</i> ). Therefore, the curve of gasoline supply will shift to the ( <i>right/left</i> ) and as the result the equilibrium price of gasoline will ( <i>decrease/increase</i> ).  2.2. Show the situation on gasoline market, described above, on the graph 4.		
Work placement	Not applicable		