



Subject card

Subject name and code	Fundamentals of Economics, PG_00038583						
Field of study	Technical Physics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	Subject group			Humanistic-social subject group		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Zakład Równań Różniczkowych i Zastosowań Matematyki -> Instytut Matematyki Stosowanej -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Krzysztof Świetlik					
	Teachers	dr inż. Krzysztof Świetlik					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30	2.0		18.0		50
Subject objectives	The aim of the course is to familiarize students with the basic elements of microeconomic and macroeconomic knowledge and practical problems of the functioning of the modern market economy.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K6_W09						
	[K6_K71] is conscious of the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	The student can find solutions to economic problems in the company			[SK5] Assessment of ability to solve problems that arise in practice		
	[K6_W71] has general knowledge in humanistic, social, economic or legal sciences	The student knows basic economic laws, understands their actions, knows how to refer them to the functioning of the company			[SW1] Assessment of factual knowledge		
	[K6_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems in a social environment	The student is able to find the right information of an economic and financial nature			[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
Subject contents	1) Economics as a science. 2) Market, demand and supply. 3) Flexibility of demand and its use. 5) Analysis of production costs. 6) Forms of organizing markets. 4) Measuring national income. 5) Production and its growth. 6) World economy - development trends. 7) Problems of the labor market. 8) The banking system and its importance in the economy. 9) Inflation in the economy.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Written test	50.0%			100.0%		

Recommended reading	Basic literature	<i>N. Gregory Mankiw, Mark P. Taylor Mikroekonomia. PWE Warszawa, 2009</i> <i>N. Gregory Mankiw, Mark P. Taylor Makroekonomia. PWE Warszawa, 2009</i>
	Supplementary literature	Rene Lustiger - 12 ikon ekonomii. Studio Emka 2007
	eResources addresses	Adresy na platformie eNauczenie: Podstawy Ekonomii, WFTiMS, sem. letni 22/23 - Moodle ID: 29943 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=29943
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. Try to estimate the opportunity cost of the selected decision in company management. 2. Explain the difference between economics (analysis) and economy (normative analysis). 3. List the factors (at least 3) that can cause the demand curve to shift to the right X (good X is a normal good). 4. Plot the limit of production possibilities for X and Y goods. What do the points lying on the border, what is below and what above the border mean? 5. Draw demand curves for salt, cosmetics, Dior perfumes, cars, coal 	
Work placement	Not applicable	