



Subject card

Subject name and code	Fundamentals of economics, PG_00057769						
Field of study	Green Technologies						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
Education level	first-cycle studies	Subject group			Optional 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							
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types	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_W05] has an elementary knowledge of the fundamental concepts and problems of quality management, the general principles of creation and development of forms of individual entrepreneurship, application of the principles of work organization and integrated management, basic principles of quality control and analysis results; knowledge of basic legal aspects relating to the management of chemicals with particular emphasis on compounds polluting the environment and business, knows and understands the basic concepts and principles of the protection of industrial property and copyright and the need for management of intellectual property.	The student knows the scope and nature of economics as a science, the basic issues dealt with by economics and the most important problems of modern market economies. Student knows the basic sources of data macroeconomic and simple methods of their analysis.	[SW1] Assessment of factual knowledge
	[K6_K04] is ready to think and act in a creative and enterprising way, to negotiate, work in a team, assuming different roles	The student understands the dynamics of change of the economy in the modern world and the resulting necessity of constant updating of economic knowledge through its confrontation with the realities of economic life.	[SK4] Assessment of communication skills, including language correctness
	[K6_W01] has a basic knowledge from some branches of mathematics and physics useful for formulating and solving simple problems in the field of environmental technologies and modern analytical methods	The student understands and has the knowledge to explain the basic phenomena in human organizations. Consequently, he is able to formulate the rationale for the organization and management principles of a modern business.	[SW1] Assessment of factual knowledge
Subject contents	<p>Course content – lecture</p> <p>Ten main principles of economics.</p> <p>Economics as a science.</p> <p>Market forces, i.e. demand and supply.</p> <p>Elasticity and its applications.</p> <p>Measurement of national income.</p> <p>Measuring the cost of living.</p> <p>Production and its growth.</p> <p>The world economy - development trends.</p> <p>Unemployment.</p> <p>The monetary system.</p> <p>Banking system - role of central banks.</p> <p>Inflation.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test	60.0%	100.0%
Recommended reading	Basic literature	<p>N.Gregory Mankiw, Mark P. Taylor Mikroekonomia. PWE Warszawa, 2009</p> <p>N.Gregory Mankiw, Mark P. Taylor Makroekonomia. PWE Warszawa, 2009</p>	
	Supplementary literature	R. Milewski E. Kwiatkowski: Podstawy ekonomii, PWN, Warszawa 2012	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. tasks of economics 2. define basic resources 3. characterize the production possibility curve. 4. what is a market and market economy? 5. the role of money in the economy. 		

Practical activities within the subject	Not applicable
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