



Subject card

Subject name and code	Business & economics , PG_00044808						
Field of study	Geodesy and Cartography						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	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	3	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Metal Structures -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Adam Kristowski				
	Teachers		dr inż. Adam Kristowski				
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		6.0		39.0	75
Subject objectives	Presentation of the ability to assess the economics, financial developments and management.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K01] can think and act in a creative and enterprising way; is ready to define priorities for the implementation of an individual or group task; understands the need for continuous education and professional responsibility for his own and his team activities, and being ready to assess their own limitations, knows when to ask experts		The student is able to act in an entrepreneurial manner.				
	[K6_K02] is ready to solve problems related to the profession of geodesy and cartography engineer and to assess risks and effects of the performed activity		Knows the principles of organization and economics of construction works.				
	[K6_W12] knows and understands legal norms in the field of protection of intellectual property and patent management law, including conducting business in geodesy and cartography		Student is able to analyse issues in the field of running a business.				
Subject contents	Introduction to economy. Management, resource, positive economy, normative economy, microeconomy, macroeconomy. Methods and tools in economic analysis: research methodology, economic data, economic variables. Basic categories of market economy. Management process and its elements. Management entities and main factors. Mechanisms of economy. Division of income. Ownership. Monetary and credit system. Function of banks. Credit. Inflation. Highlights of the theory of operation of companies. Risk in business activities. Economic fluctuations and crises. Unemployment. The role of the State in the economy. Management.						
Prerequisites and co-requisites	No requirements						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Midterm colloquium		60.0%		100.0%		

Recommended reading	Basic literature	Zalecana literatura: 1. Milewski R.: Elementarne zagadnienia ekonomii. PWN Warszawa 2002 r. 2. Milewski R.: Kwiatkowski E. Podstawy ekonomii, PWN, 2006 r.
	Supplementary literature	3. Sloman J.: Podstawy ekonomii, PWE 2001 r.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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