



## Subject card

Subject name and code	Business & economics , PG_00044808						
Field of study	Geodesy and Cartography						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2022/2023		
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	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	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_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.			[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	Explains the basic mechanisms of the management process.			[SU2] Assessment of ability to analyse information		
	[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.			[SK5] Assessment of ability to solve problems that arise in practice		
[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.			[SK5] Assessment of ability to solve problems that arise in practice			
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		