



Subject card

Subject name and code	Basic Management, Economics and Law, PG_00021025						
Field of study	Mathematics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
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	1		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Division Of Differential Equations And Applications Of Mathematics -> Institute Of Applied Mathematics -> Faculty Of Applied Physics And Mathematics -> Wydziały Politechniki Gdańskiej						
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		5.0		15.0	50
Subject objectives	Familiarization with basic issues in the field of economics, business management and business law						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_W01		The student has basic knowledge of the field of costs and income of the company.		[SW1] Assessment of factual knowledge		
	K6_K01		The student knows the rules of functioning of the organization, has basic knowledge about the changes taking place in the organization and its environment.		[SK2] Assessment of progress of work		
	K6_K03		The student has basic knowledge about the principles of management and the laws of economics, the legal basis of the functioning of enterprises in Poland, the different types of departments of the organization with particular regard to structures of an engineering nature.		[SK1] Assessment of group work skills [SK4] Assessment of communication skills, including language correctness		
	K6_U12		The student knows the general principles of assessing the profitability of an enterprise and evaluates the profitability of engineering projects; The student knows the basic principles of functioning of the company in the economic environment.		[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
Subject contents	Economics, basic economic problems and main principles of economics.The market and its elements - supply, demand, price, quantity.Measuring national income - measures, their advantages and disadvantages.The world economy and its main development trends.Money as a commodity and the banking system.Inflation - definition, causes and effects.Enterprise management - definitions and main principles.Enterprise as a management entity.Development of the management concept since the industrial revolution.Organizational and legal forms of enterprises - their advantages and disadvantages in the process of effective management.The role of the manager in management.Organizational structures.Legal basis for the functioning of enterprises in Poland.						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written final test	60.0%	85.0%
	randomly checked attendance at lectures	100.0%	15.0%
Recommended reading	Basic literature	1. G.N. Makiw, M.Taylor, Mikroekonomia, PWE, Warszawa 2022 2. P. Samuelson, W.Nordhaus, Ekonomia, Wydawnictwo Naukowe PWN, Warszawa 2012 3. R. W. Griffin, Podstawy zarządzania organizacjami, Wydawnictwo Naukowe PWN, Warszawa 2013 4. P.Mućko, A.Sokół, Jak założyć i prowadzić działalność gospodarczą w Polsce i wybranych krajach europejskich: praktyczny poradnik z przykładami, Wydawnictwo CeDeWu, Warszawa 2021	
	Supplementary literature	1. B.Piasecki, Ekonomia i zarządzanie małą firmą, Wydawnictwo Naukowe PWN, Warszawa-Łódź 2001 2. Brillman J., Nowoczesne koncepcje i metody zarządzania, Wydawnictwo PWE, Warszawa 2002	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Explain when you can improve the results of operation of the market. Explain the importance of human capital for economic development. What factors affect the size of the supply? Explain the function of money as a measure of value. Replace the instruments of monetary policy. Why GDP is not a perfect measure of well-being? What determines productivity? Describe the situation of decision-making under risk. Replace the types of employment contracts. Replace the advantages of individual activities. How and why the state has an obligation to protect intellectual property.		
Work placement	Not applicable		

Document generated electronically. Does not require a seal or signature.