



Subject card

Subject name and code	Essentials of management, PG_00045289						
Field of study	Data Engineering, Data Engineering						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2026/2027	
Education level	first-cycle studies	Subject group				Obligatory subject group in the field of study Subject group related to scientific research in the field of study	
Mode of study	Full-time studies	Mode of delivery				at the university	
Year of study	1	Language of instruction				English	
Semester of study	2	ECTS credits				3.0	
Learning profile	general academic profile	Assessment form				exam	
Conducting unit	Department of Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Aleksander Orłowski				
	Teachers		dr Franciszek Kutrzeba dr hab. inż. Aleksander Orłowski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	30.0	0.0	0.0	0.0	45
	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	45		4.0		26.0	75
Subject objectives	The aim of the course is to prepare students to analyze and improve organizational management processes, based on knowledge of organizational structures, management methods and decision-making processes, as well as to shape attitudes related to ethical decision-making, social responsibility and effective cooperation in international teams in the context of the functioning of organizations in a globalized environment.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K6_W01] identifies conditioning of the processes occurring in the analyzed systems and selects methods for solving them, using the accumulated knowledge and taking into account the mutual relations between the analyzed phenomena		The student knows and understands the conditions of processes taking place in organizations and the methods of their analysis and improvement, in the context of managing the structure, planning, motivation and control processes.			[SW1] Assessment of factual knowledge	
	[K6_U01] analyzes and evaluates complex processes in the context of their improvement possibilities, using various methods, including analytical and simulation		The student is able to analyze and evaluate management processes using analytical and simulation methods to optimize the functioning of the organization.			[SU1] Assessment of task fulfilment	
	[K6_K02] makes competent and ethical decisions to create and maintain economic, social and environmental values		The student is ready to make ethical and responsible managerial decisions, in particular through participation in team tasks, reflection and self-assessment carried out during Essentials of Management classes.			[SK1] Assessment of group work skills	

Subject contents	Course content – lecture 1. Introduction management and managers 2. Planning nature and purpose 3. Objectives, strategies 4. policies, decision making 5. Organizing nature of organizing 6. Organizational structure, 7. Delegatin and decentralization 8. Organization 9. Motivation/leading human factors and motivation 10. Controlling system and process of controlling 11. The evolution of management (Taylor, Fayol)			
Prerequisites and co-requisites	No requirements			
Assessment methods and criteria	Subject passing criteria		Passing threshold	Percentage of the final grade
	Exam		60.0%	60.0%
	Test		60.0%	40.0%
Recommended reading	Basic literature		Griffin R. W. , Management, Houghton Mifflin Company.  Stoner J.A.F. , R.E. Freeman, Management, Prentice-Hall International Edition.  Weihrich H., Management a global perspective, McGraw-Hill Inc.  Hodgetts R. M., Luthans F., International Management, McGraw-Hill Inc.  Stephen P. Robbins, Mary A. Coulter, David A. De Cenzo, Fundamentals of Management, Global Edition 11th Edition, 2020.	
	Supplementary literature		R. Griffin, Podstawy zarzadzania organizacjami, PWN, Warszawa 2001;  S. Robbins, D. DeCenzo, Podstawy zarzadzania, PWE, Warszawa 2002;  P. Drucker, Praktyka zarzadzania, MT Biznes, Warszawa 2005;	
	eResources addresses			
Example issues/ example questions/ tasks being completed	1. Centralization, describe + one example of centralization. 2. What is BCG matrix used for?			
Practical activites within the subject	Not applicable			

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