



Subject card

Subject name and code	Fundamentals and Practice of Project Management, PG_00067794						
Field of study	Economic Analytics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
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	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department Of Informatics In Management -> Faculty Of Management And Economics -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	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		5.0		25.0	75
Subject objectives	Chooses the appropriate design methodology, depending on the nature and type of the project						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U03] collaborates with others in solving interdisciplinary problems.		uses various methods of solving project problems, acting within teams, as a contractor or a leader		[SU1] Assessment of task fulfilment		
	[K6_W06] understands and applies methods for classifying and evaluating acquired information based on advanced general and specialized knowledge, with consideration of their application in various types of professional activities.		selects IT tools adequate to solving problems, using the results in decision-making processes		[SW2] Assessment of knowledge contained in presentation		
Subject contents	Basic issues related to project management. Classic, agile and adaptive project management methodologies. Principles of project planning. Project management areas and processes. Project integration management. Scope management in the project. Project resource management. Time management in the project. Project cost management. Methods of analyzing the costs and duration of the project. Quality management in the project. Project communication management. Project risk management. Managing orders in the project. Managing stakeholders in the project. Project portfolio management. Using MS Project software to implement your own project. Designing a network of activities in the form of a network diagram. Designing a network of activities with a list of tasks, parent and child tasks. Allocation of resources to tasks according to the method of constant work, constant time, constant number of resources. Resource balancing and overload elimination. Overtime as a rescue resource. Project cost analysis. Risk analysis of meeting the project deadline, reporting.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Project - laboratory		60.0%		60.0%		
	Written exam		60.0%		40.0%		

Recommended reading	Basic literature	Redlarski K. (2016). Podstawy metodyki zarządzania projektami w ujęciu klasycznym. Gdańsk: Wydawnictwo Politechniki Gdańskiej Project Management Institute, Inc. (2021). A Guide to the Project Management Body of Knowledge. (PMBOK® Guide) Wilczewski S. (2014). MS Project 2013 i MS Project Server 2013. Efektywne zarządzanie projektem i portfelem projektów. Gliwice: Wydawnictwo Helion
	Supplementary literature	Berkun S. (2006). Sztuka zarządzania projektami. Gliwice: Wydawnictwo Helion Trocki M. (2003). Zarządzanie projektami. Warszawa: Wydawnictwo PWN
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Exercises in the field of project management	
Work placement	Not applicable	

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