



Subject card

Subject name and code	PROJECT MANAGEMENT, PG_00070723						
Field of study	Engineering Management						
Date of commencement of studies	October 2026		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	Part-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Informatics In Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Redlarski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	18.0	0.0	18.0	0.0	0.0	36
	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	36		3.0		86.0	125
Subject objectives	Preparation of students for the design and execution of project management processes, grounded in knowledge of methods and techniques for planning, integration, and data analysis, and aimed at developing responsible decision-making in the pursuit of effective organizational goal achievement.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K01] is ready to fulfill professional roles responsibly, taking legal, ethical, and cultural aspects into account in decision-making processes.		is ready to make responsible project decisions, taking into account their organizational, legal, and ethical consequences.		[SK1] Assessment of group work skills		
	[K6_W05] possesses advanced knowledge in integrating data from various sources and in the methods that enable a comprehensive analysis of contemporary management issues.		knows and understands methods of integrating data and information from multiple sources in the context of analyzing complex project management problems.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U03] collaborates with others in solving interdisciplinary problems.		is able to collaborate within a project team during planning and implementation, jointly analyze problems, and develop solutions.		[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject		

Subject contents	Course content – lecture		
	1. Basic issues related to project management 2. Classic, agile and adaptive project management methodologies 3. Project planning principles 4. Areas and processes of project management 5. Project integration management 6. Project scope management 7. Project resource management 8. Time management in the project 9. Project cost management 10. Methods of cost and project duration analysis 11. Quality management in the project 12. Project communication management 13. Project risk management 14. Project order management. Project portfolio management		
	Course content – laboratory		
	1. Using the MS Project software to implement your own project 2. Designing a network of activities in the form of a network diagram 3. Designing a flowchart with a task list, parent and child tasks 4. Assignment of resources to tasks according to the method of constant work, constant time, constant number of resources 5. Resource balancing and elimination of overloads 6. Overtime as a rescue resource 7. Shared resource pool 8. Managing multiple projects 9. Project cost analysis 10. Risk analysis of meeting the project deadline 11. Reporting (printouts)		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Problem-based test	60.0%	40.0%
	Group project	60.0%	50.0%
	Presentation	60.0%	10.0%
Recommended reading	Basic literature	1. Project Management Institute, Inc.: A Guide to the Project Management Body of Knowledge, (PMBOK® Guide) 2. Redlarski, Krzysztof. Podstawy metodyki zarządzania projektami w ujęciu klasycznym. Wydawnictwo Politechniki Gdańskiej, 2016 3. Trocki M.: Zarządzanie projektami, PWN Warszawa 2003r 4. Wilczewski S.: MS Project 2010 i MS Project Server 2010. Helion 2011	
	Supplementary literature	1. Pritchard Carl L., Zarządzanie ryzykiem w projektach, WIG - PRESS Warszawa 2002 2. Kerzner H.: Project Management a Systems Approach, To Pleanning, Scheduling and Controlling 3. Chatfield C., Johnson T., MicrosoftOffice Project 2010 krok po kroku, RM Warszawa 2011	
	eResources addresses		
	Example issues/ example questions/ tasks being completed	Project management exercises	
Practical activites within the subject	Not applicable		

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