



Subject card

Subject name and code	PROJECT MANAGEMENT, PG_00071715						
Field of study	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	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			English		
Semester of study	3	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Management Engineering and Quality -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Anna Zielińska					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	30.0	0.0	0.0	60
	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	60	3.0	37.0	100		
Subject objectives	The objective of the course is to prepare students to plan and execute projects and to solve managerial problems in interdisciplinary teams based on knowledge of classical and agile project management methodologies, as well as to develop responsibility in making project-related decisions in the context of teamwork and organizational functioning.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U03] collaborates with others in solving interdisciplinary problems.	Is able to collaborate within a project team in planning and executing a project, applying selected project management methods and tools to solve project-related problems.			[SU4] Assessment of ability to use methods and tools		
	[K6_K01] is ready to fulfill professional roles responsibly, taking legal, ethical, and cultural aspects into account in decision-making processes.	Is ready to perform roles in a project team in a responsible manner, in particular through active participation in teamwork and making project-related decisions during project tasks.			[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 project management methods, including classical and agile methodologies, as well as approaches to analyzing and integrating project-related information in the process of planning and executing projects.			[SW3] Assessment of knowledge contained in written work and projects		

Subject contents	Course content – lecture <ul style="list-style-type: none"> <li>• Introduction to project management</li> <li>• Differences between agile and traditional project management methodologies</li> <li>• Classical project management methodology</li> <li>• Project scope definition</li> <li>• Project life cycle</li> <li>• Project success criteria</li> <li>• Project risk management</li> <li>• Resource and cost planning</li> <li>• Project team management</li> <li>• Characteristics of agile methodologies</li> <li>• Structure of agile project management</li> <li>• Roles in the Scrum team</li> <li>• Communication in agile project teams</li> <li>• Decision-making in projects based on the analysis of scope, time, cost, and resource-related information</li> </ul>		
	Course content – laboratory <ul style="list-style-type: none"> <li>• Project definition and development of the Project Charter</li> <li>• Development of the Business Case</li> <li>• Identification and analysis of project stakeholders</li> <li>• Development of the Work Breakdown Structure (WBS)</li> <li>• Development of the project schedule (Gantt chart)</li> <li>• Cost estimation</li> <li>• Identification and analysis of project risks</li> <li>• Development of an integrated project plan using the Waterfall methodology</li> <li>• Preparation of project closure documentation</li> <li>• Execution of a team project and task allocation within the project team</li> </ul>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written test of knowledge and understanding with open-ended and problem-solving questions.	60.0%	50.0%
	Presentation of the report with a discussion of the solutions	60.0%	15.0%
	Written project report	60.0%	35.0%
Recommended reading	Basic literature	Project Management Institute (PMI). (2021). <i>A Guide to the Project Management Body of Knowledge (PMBOK® Guide) 7th Edition</i> .  Kerzner, H. (2022). <i>Project Management: A Systems Approach to Planning, Scheduling, and Controlling</i> (13th ed.).  Rubin, K. S. (2012). <i>Essential Scrum: A Practical Guide to the Most Popular Agile Process</i> .	
	Supplementary literature	<ul style="list-style-type: none"> <li>• Meredith, J.R., Mantel, S.J. (2017). <i>Project Management: A Managerial Approach</i>, John Wiley &amp; Sons.</li> <li>• Stellman, A., Greene, J. (2014). <i>Learning Agile</i>, O'Reilly Media.</li> <li>• Wysocki, R.K. (2019). <i>Effective Project Management</i></li> </ul>	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>• An IT project implemented using the Waterfall approach is experiencing frequent changes in client requirements. What actions would you take, and would you consider changing the methodology? Justify your decision.</li> <li>• The project team is not completing tasks according to the schedule, and delays are beginning to affect the project budget. What information would you analyze, and what decisions would you make?</li> <li>• A conflict arises between key stakeholders regarding the project scope. How would you approach resolving this situation?</li> <li>• A project is carried out under conditions of high uncertainty and unclear requirements. Which project management methodology would you choose and why?</li> <li>• During project execution, a new requirement emerges that increases project value but impacts time and cost. How would you assess whether it should be implemented?</li> </ul>		
Practical activities within the subject	Not applicable		

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