



Subject card

Subject name and code	IT Project Management, PG_00053099						
Field of study	Data Engineering						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
Education level	first-cycle studies	Subject group			Optional subject group 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			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. Jakub Chabik					
	Teachers	dr inż. Jakub Chabik					
Lesson types	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	8.0		72.0	125	
Subject objectives	The aim of the lecture is to present and discuss the methodologies methods and best practices in the IT project management.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W05] integrates data from multiple sources in order to analyze complex business problems	The student is able to plan and develop IT project documentation, including project schedule, milestones, stakeholder analysis, risk assessment and cost estimation, using project management methods and tools appropriate to the business context			[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	[K6_U05] develops innovative solutions for data analysis and processing, using appropriate methods and tools	The student is able to use tools and data related to the management and implementation of an IT project.			[SU4] Assessment of ability to use methods and tools		
	[K6_U03] demonstrates professional and effective teamwork, both as a leader and as a team member	The student comprehensively understands the concept of a business project in the area of information technology and is prepared to conduct it.			[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task		

Subject contents	Course content – lecture																				
	<ol style="list-style-type: none"> 1. What is a project ? SMART goals . 2. Waterfall and agile; project methodologies 3. Project initiation 4. Business case 5. Planning 6. Agile principles 7. Agile advanced 8. Managing progress and risks 9. Managing schedule 10. Project execution 11. Human resources management 																				
	Course content – laboratory																				
	<ol style="list-style-type: none"> 1. Initiation of an IT project. Case study. 2. Work on own project 3. Presentation of the projects of their own. 4. Modeling, maintaining and developing the organization support. Case study 5. Presentation of own projects 																				
Prerequisites and co-requisites	No requirements																				
Assessment methods and criteria	<table border="1"> <thead> <tr> <th>Subject passing criteria</th> <th>Passing threshold</th> <th>Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>final test</td> <td>50.0%</td> <td>40.0%</td> </tr> <tr> <td>project documentation</td> <td>50.0%</td> <td>30.0%</td> </tr> <tr> <td>simple project</td> <td>50.0%</td> <td>8.0%</td> </tr> <tr> <td>individual tasks</td> <td>0.0%</td> <td>16.0%</td> </tr> <tr> <td>group presentatio</td> <td>0.0%</td> <td>6.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	final test	50.0%	40.0%	project documentation	50.0%	30.0%	simple project	50.0%	8.0%	individual tasks	0.0%	16.0%	group presentatio	0.0%	6.0%
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Recommended reading	Basic literature	<p>Project Management Institute, A Guide to the Project Management Body of Knowledge (PMBOK® Guide) Seventh Edition and The Standard for Project Management, 2021 Brewer, J., Thomas, PJ , Dittman, Kevin C.Methods of IT Project Management, Fifth Edition 5th Edition, 2025 Project Management Institution, Agile Practice Guide</p>																			
	Supplementary literature	<p>Marchewka J. T.: Information Technology Project Management: Providing Measurable Organizational Value. Wiley, 2014. Love B. A.: IT Project Management: A Geek's Guide to Leadership (Best Practices and Advances in Program Management). CRC Press, 2017. Sammicheli, P., Sutherland, J. Scrum in AI: Artificial Intelligence</p>																			
	eResources addresses																				
Example issues/ example questions/ tasks being completed	<p>Methods and techniques of acquisition, collection and management of users requirements.</p> <p>Developing an IT project on the customer's order.</p> <p>Closing and settlement of the project. Identification of "bottlenecks" in the communication between team members.</p>																				
Practical activites within the subject	Not applicable																				

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