GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	IT Project Management, PG_00053099
Field of study	Data Engineering

Date of commencement of studies	October 2025	**Academic year of realisation of subject**	2027/2028
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 use tools and data related to the management and implementation of an IT project.	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge
	[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 [SU4] Assessment of ability to use methods and tools
	[K6_U05] develops innovative solutions for data analysis and processing, using appropriate methods and tools	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	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task

Subject contents	Course content – lecture 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 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	Subject passing criteria	Passing threshold	Percentage of the final grade
	final test	50.0%	40.0%
	project documentation	50.0%	30.0%
	prosty projekt	50.0%	8.0%
	individual tasks	0.0%	16.0%
	group presentation	0.0%	6.0%

Recommended reading	Basic literature	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
	Supplementary literature	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
	eResources addresses	

Example issues/ example questions/ tasks being completed	Methods and techniques of acquisition, collection and management of users requirements. Developing an IT project on the customer's order. Closing and settlement of the project. Identification of "bottlenecks" in the communication between team member
Practical activites within the subject	Not applicable

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