GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	IT Project Management, PG_00053099		
Field of study	Data Engineering, Data Engineering		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
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

<table>
<tr><td>Subject contents</td><td>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</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>No requirements</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<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>prosty projekt</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 presentation</td><td>0.0%</td><td>6.0%</td></tr>
</table>
</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>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</td></tr>
<tr><td>Supplementary literature</td><td>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</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
</table>
</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>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</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
</table>

Document generated electronically. Does not require a seal or signature.