GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00073149		
Field of study	Real Estate 5.0		
Date of commencement of studies	February 2026	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	2	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Geodesy -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Artur Fischer	
	Teachers	dr inż. Artur Fischer	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	15.0	0.0	0.0	0.0	45

E-learning hours included: 0.0

eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=9232

Moodle ID: 9232 Zarządzanie projektami https://enauczanie.pg.edu.pl/2025/course/view.php?id=9232

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	0.0	0.0	45

Subject objectives

1. Introducing students to the basics of project management.
2. Introducing students to the scope of project implementation.
3. Introducing students to project planning methods.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W05] possesses advanced interdisciplinary knowledge of procedures, methods, and theories related to real estate trading, property management, and operation, as well as other processes characteristic of the functioning of the real estate market. The student understands the organizational and legal conditions governing the professional practice of real estate agents, property managers, and other specialists operating within the real estate sector.	knows and understands the fundamental principles, methods, and tools of project management, particularly those related to defining project scope, planning project implementation, and organizing project processe	[SW1] Assessment of factual knowledge
[K7_U05] is able to manage real estate assets throughout their entire life cycle, applying knowledge in the areas of brokerage, investment, and asset management. The student can utilize modern tools and technologies (including digital solutions, PropTech, and BIM), incorporate the principles of sustainable development, ESG, wellbeing, and green certifications, as well as conduct due diligence analyses and effectively implement investment projects.	is able to define the scope of a project and develop an implementation plan using basic project management methods and tools.	[SU5] Assessment of ability to present the results of task

<table>
<tr><td>Subject contents</td><td>Course content – lecture
• Basic concepts and importance of project management.
• Project life cycle – stages of planning, implementation, monitoring, and closure.
• Scope and characteristics of projects.
• Project organizational structure, roles, and responsibilities of team members.
• Project planning – defining objectives, schedules, resources, and budgets.
• Risk identification and analysis in project management.
• Quality control and change management during project implementation.
• Principles of communication and project team management.
• Overview of selected project management methodologies.
• Case studies – examples of project implementation.

Course content – exercises
• Identification of needs and requirements related to project implementation – analysis of functional and organizational requirements.
• Project planning based on discussions with a simulated stakeholder (AI) – defining objectives, requirements, and constraints.
• SWOT analysis and risk analysis in project management.
• Development of a work breakdown structure and project schedule (WBS, Gantt).
• Time and priority management – use of selected project management tools.
• Communication within the project team and progress reporting.
• Presentation of project results and evaluation of the management process.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>The student has basic knowledge of project management and understands the importance of planning, organization, and decision-making in project implementation.</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>Test</td><td>60.0%</td><td>60.0%</td></tr><tr><td>Reperts</td><td>60.0%</td><td>40.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>• Kerzner H., Project Management: A Comprehensive Guide, PWN Publishing House, Warsaw, 2019.
• Trocki M. (ed.), Modern Project Management, Polish Economic Publishing House, Warsaw, 2012.</td></tr><tr><td>Supplementary literature</td><td>• PRINCE2® Foundation, Project Management Using the PRINCE2 Methodology, AXELOS / TSO, Warsaw, 2017.
• PMBOK® Guide, A Guide to the Project Management Body of Knowledge, Project Management Institute, Warsaw, 2021.</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>• Scope and stages of project management.
• Definitions of a project and project management.
• Project life cycle.
• Project organizational structure.
• Roles of the project manager and project team members.
• Project stakeholder analysis.
• Project scope and planning.
• Resource planning and project scheduling.
• Risk management in projects.
• Communication within the project team.
• Monitoring and evaluation of project progress.
• Case studies – examples of project implementation.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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