GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00065822		
Field of study	Materials Engineering, Materials Engineering		
Date of commencement of studies	October 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	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Division of Ceramics -> Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Sebastian Wachowski	
	Teachers	dr hab. inż. Sebastian Wachowski	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	0.0	15

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	15	2.0	8.0	25

Subject objectives

Student knows basic tools and techniques in project management in material engineering and other branches economy.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	Student had the basic knowledge in project management	[SW1] Assessment of factual knowledge
[K7_U06] Can evaluate usefulness and feasibility of using new achievements (techniques and technologies) within the scope of materials science.	Student can define what tools from project management can be used to solve specific issues related to material enginnering	[SU1] Assessment of task fulfilment
[K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	A student can explain what kinds of endeavours can be addressed using project management and associated tools and define the basic parameters of a project for a given case study problem.	[SK5] Assessment of ability to solve problems that arise in practice

<table>
<tr><td>Subject contents</td><td>Course content – lecture
1. Project management - introduction

2. Main metodics of project management: Prince, Agile, Ipma, Pmi

3. Work breackdown structucture, project scheduling

4. Budgeting

5. Responsibility, communication

6. Elements of team management

7. Risk management

8. Financing sources in Poland: NCN, NCBiR, Horison</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></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>50.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>Prince Foundation

MoR

PM², Project management methodology, Guide 3.0, European Commission</td></tr><tr><td>Supplementary literature</td><td>none</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>1. Perform WBS on a given project

2. Prepare RACI matrix

3. Perform SWOT analysis

4. Define risks and make risk matrix.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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