



Subject card

Subject name and code	, PG_00065822								
Field of study	Materials Engineering								
Date of commencement of studies	October 2025	Academic year of realisation of subject		2025/2026					
Education level	second-cycle studies		Subject group		Optional subject group Humanistic-social 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 inż. Sebastian Wachowski						
	Teachers		dr 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 engineering		[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				

Subject contents	<p>Course content – lecture</p> <ol style="list-style-type: none"> <li>1. Project management - introduction</li> <li>2. Main metodics of project management: Prince, Agile, Ipma, Pmi</li> <li>3. Work breakdown structure, project scheduling</li> <li>4. Budgeting</li> <li>5. Responsibility, communication</li> <li>6. Elements of team management</li> <li>7. Risk management</li> <li>8. Financing sources in Poland: NCN, NCBiR, Horison</li> </ol>						
Prerequisites and co-requisites							
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="446 810 822 844">Subject passing criteria</th><th data-bbox="822 810 1156 844">Passing threshold</th><th data-bbox="1156 810 1489 844">Percentage of the final grade</th></tr> </thead> <tbody> <tr> <td data-bbox="446 844 822 887">Test</td><td data-bbox="822 844 1156 887">50.0%</td><td data-bbox="1156 844 1489 887">100.0%</td></tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	Test	50.0%	100.0%
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Recommended reading	<table border="1"> <tr> <td data-bbox="446 887 790 1118">Basic literature</td><td data-bbox="790 887 1489 1118">           Prince Foundation             MoR             PM<sup>2</sup>, Project management methodology, Guide 3.0, European Commission         </td></tr> <tr> <td data-bbox="446 1118 790 1161">Supplementary literature</td><td data-bbox="790 1118 1489 1161">none</td></tr> <tr> <td data-bbox="446 1161 790 1215">eResources addresses</td><td data-bbox="790 1161 1489 1215"></td></tr> </table>	Basic literature	Prince Foundation  MoR  PM <sup>2</sup> , Project management methodology, Guide 3.0, European Commission	Supplementary literature	none	eResources addresses	
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Supplementary literature	none						
eResources addresses							
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> <li>1. Perform WBS on a given project</li> <li>2. Prepare RACI matrix</li> <li>3. Perform SWOT analysis</li> <li>4. Define risks and make risk matrix.</li> </ol>						
Practical activites within the subject	Not applicable						

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