



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	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		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Test	50.0%	100.0%
Recommended reading	Basic literature	Prince Foundation MoR PM², Project management methodology, Guide 3.0, European Commission	
	Supplementary literature	none	
	eResources addresses		
Example issues/ example questions/ tasks being completed	1. Perform WBS on a given project 2. Prepare RACI matrix 3. Perform SWOT analysis 4. Define risks and make risk matrix.		
Practical activites within the subject	Not applicable		

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