



Subject card

Subject name and code	, PG_00065822						
Field of study	Materials Engineering						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
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						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Sebastian Wachowski				
	Teachers		dr inż. Sebastian Wachowski				
Lesson types and methods of instruction	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	1. Project management - introduction 2. Main metodics of project management: Prince, Agile, Ipma, Pmi 3. Work breakkdown structure, 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	<table border="1" data-bbox="448 781 1485 853"> <thead> <tr> <th data-bbox="448 781 799 815">Subject passing criteria</th> <th data-bbox="804 781 1139 815">Passing threshold</th> <th data-bbox="1144 781 1485 815">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 822 799 853">Test</td> <td data-bbox="804 822 1139 853">50.0%</td> <td data-bbox="1144 822 1485 853">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	Basic literature	Prince Foundation MoR PM ² , Project management methodology, Guide 3.0, European Commission							
	Supplementary literature	none							
	eResources addresses	Adresy na platformie eNauczanie: Zarządzanie projektami - Moodle ID: 45453 https://enauzanie.pg.edu.pl/moodle/course/view.php?id=45453							
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.								
Work placement	Not applicable								

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