



Subject card

Subject name and code	Project leadership and team management, PG_00062735						
Field of study	Technologies for Industry 5.0						
Date of commencement of studies	October 2024	Academic year of realisation of subject				2026/2027	
Education level	first-cycle studies	Subject group				Obligatory subject group in the field of study	
Mode of study	Full-time studies	Mode of delivery				at the university	
Year of study	3	Language of instruction				Polish	
Semester of study	5	ECTS credits				2.0	
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						
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	15.0	30
	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	30		2.0		18.0	50
Subject objectives	To develop basic skills set and tools required for successful project management						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U04] has the ability to perceive and take into account non-technical aspects (legal, economic, ethical, environmental, human factor and others) of engineering problems and tasks and create solutions that take them into account	Student is able to prepare project proposal including it's goal, description, budget, schedule, analysis of economical and societal impact as well as risk assessment.			[SU1] Assessment of task fulfilment		
	[K6_W04] demonstrates knowledge necessary to understand non-technical (legal, economic, ethical, environmental) conditions of engineering activities in the scope directly or indirectly related to the industrial revolution	Student knows Basic tools of project management.			[SW1] Assessment of factual knowledge		
	[K6_K71] is conscious of the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	Student understands the role of project management in economics and society			[SK2] Assessment of progress of work		

Subject contents	<p>Lecture:</p> <ol style="list-style-type: none"> <li>1. Design approach - basic concept</li> <li>2. Basic management methodologies: PRINCE, AGILE, IPMA, PMI</li> <li>3. Division of work in the project: division of work into tasks, schedule</li> <li>4. Project budgeting</li> <li>5. Responsibility, communication,</li> <li>6. Group management</li> <li>7. Risk management</li> <li>8. Examples of sources from the project: NCN, NCBIR, Horizont</li> </ol> <p>Seminar: presentation of a project proposal</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Seminar	50.0%	30.0%
	Exam	50.0%	70.0%
Recommended reading	Basic literature	<p>Prince Foundation</p> <p>M_o_R Foundation</p> <p>PM<sup>2</sup>, Project management methodology, Guide 3.0,</p> <p>European Commission</p>	

	Supplementary literature	-
	eResources addresses	Adresy na platformie eNauzanie:
Example issues/ example questions/ tasks being completed	1. Prepare WBS of a given project  2. Prepare RACI matrix  3. Do the SWOT analysis  4. Asses the risks and prepare risks matrix	
Work placement	Not applicable	

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