



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 2026	Academic year of realisation of subject				2028/2029	
Education level	first-cycle studies	Subject group				Optional subject group	
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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Sebastian Wachowski					
	Teachers						
Lesson types	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>Course content – lecture Lecture:</p> <ol style="list-style-type: none"> 1. Design approach - basic concept 2. Basic management methodologies: PRINCE, AGILE, IPMA, PMI 3. Division of work in the project: division of work into tasks, schedule 4. Project budgeting 5. Responsibility, communication, 6. Group management 7. Risk management 8. Examples of sources from the project: NCN, NCBIR, Horizont <p>Seminar: presentation of a project proposal</p>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="453 1695 794 1727">Subject passing criteria</th> <th data-bbox="799 1695 1141 1727">Passing threshold</th> <th data-bbox="1145 1695 1485 1727">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 1733 794 1765">Seminar</td> <td data-bbox="799 1733 1141 1765">50.0%</td> <td data-bbox="1145 1733 1485 1765">30.0%</td> </tr> <tr> <td data-bbox="453 1771 794 1803">Exam</td> <td data-bbox="799 1771 1141 1803">50.0%</td> <td data-bbox="1145 1771 1485 1803">70.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Seminar	50.0%	30.0%	Exam	50.0%	70.0%
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Recommended reading	Basic literature	<p>Prince Foundation</p> <p>M_o_R Foundation</p> <p>PM², Project management methodology, Guide 3.0,</p> <p>European Commission</p>										

	Supplementary literature	-
	eResources addresses	
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. Prepare WBS of a given project 2. Prepare RACI matrix 3. Do the SWOT analysis 4. Asses the risks and prepare risks matrix 	
Practical activites within the subject	Not applicable	

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