GDAŃSK UNIVERSITY OF TECHNOLOGY

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 2025	Academic year of realisation of subject	2027/2028
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 -> Wydziały Politechniki Gdańskiej		
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_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
[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_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

Subject contents	Lecture: 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, Horyzont Seminar: presentation of a project proposal
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Exam	50.0%	70.0%
Seminar	50.0%	30.0%

Recommended reading	Basic literature	Prince Foundation M_o_R Foundation PM², Project management methodology, Guide 3.0, European Commission

	Supplementary literature	-
	eResources addresses	Adresy na platformie eNauczanie:
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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