GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team research project I, PG_00066161		
Field of study	Technical Physics, Materials Engineering, Mathematics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2025/2026
Education level	second-cycle studies	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	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	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. Marek Chmielewski	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	40.0	0.0	40

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	40	2.0	33.0	75

Subject objectives

Implementation of the topic of the selected research project whose purpose is to verify the hypothesis or research idea, in the case of an industrial project, process or product innovation.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_K101] acknowledges the importance of knowledge related to the field of study in solving cognitive and practical problems, critically assessing the information obtained	The student uses own knowledge in a way that allows verification of the thesis, skillfully uses research techniques and presents the results of his work in an understandable way. Analyzes literature data and information obtained from other sources. Works effectively in the implementation of the task.	[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness
[K7_U101] is able to formulate complex research problems and adopts appropriate methods, obtaining innovative solutions, cooperating with other people, both as a leader and a team member	The student integrates his activities in the field of teamwork, is able to define his role in the team, skillfully presents his achievements and conclusions in front of the other team members. He can synthetically divide the activities and adjust them to the specifics of the topic and the skills of the team members.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information
[K7_W101] is able to make an in-depth identification of key objects and phenomena related to the field of study, as well as theories that describe them and applicable analytical and design methods	The student uses modern and advanced research techniques to accomplish the declared tasks. He/she is able to identify the appropriate ways to carry out the task and solve the research problem. Appropriately uses his/her competencies by acting in a way to deepen his/her skills.	[SW2] Assessment of knowledge contained in presentation

Subject contents

Course content – project
Agreed with the project supervisor

Prerequisites and co-requisites

As recommended by the project supervisor

<table>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>100</td><td>100.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Agreed with the project supervisor</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Agreed with the project supervisor</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">Specified by the project supervisor or reporting institution</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="3">Not applicable</td></tr>
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