



Subject card

Subject name and code	Team project II, PG_00061933						
Field of study	Materials Engineering						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2025/2026		
Education level	first-cycle studies	Subject group			Optional subject group Subject group related to scientific research 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 Polish and English if foreign students are present		
Semester of study	6	ECTS credits			2.0		
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	prof. dr hab. inż. Maria Gazda					
	Teachers	dr hab. inż. Stefan Krakowiak dr inż. Daniel Jaworski					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	E-learning hours included: 0.0						
	eNauczanie source addresses: Moodle ID: 4214 Projekt zespołowy II https://enauzanie.pg.edu.pl/2025/course/view.php?id=4214						
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	Teamwork in the implementation of a design task						
Learning outcomes	Course outcome	Subject outcome		Method of verification			
	[K6_W07] Has detailed knowledge of selected problems of materials science.	has knowledge in a design task topic		[SW3] Assessment of knowledge contained in written work and projects			
	[K6_K02] Can think and act creatively and entrepreneurially, is able to negotiate, work in a team, assuming different roles.	can work in a project team, can be a member and leader of a team		[SK1] Assessment of group work skills			
	[K6_U11] Is able to notice non-technical aspects when forming and solving project tasks, including environmental, economic and legal aspects. Applies the rules of occupational health and safety.	is able to perceive and analyze various aspects of a design issue, including those related to costs and environmental impact		[SU2] Assessment of ability to analyse information			
[K6_U10] Can work in a group in order to solve problems typical of materials engineering.	is able to work in a group to solve a design problem		[SU1] Assessment of task fulfilment				

Subject contents	<p>Course content – project</p> <p>Students receive a list of several project topics to choose from. Team selection - students divide themselves into teams of no more than four people. Teamwork principles: selection of a team leader. Selection and presentation of the project concept. Division of tasks, partial analysis of project solutions, project implementation schedule, division of individual tasks, integrated integration of individual action elements. Project development and implementation. Report preparation. Presentation of project results in the form of an oral presentation.</p>											
Prerequisites and co-requisites	no											
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 544 794 577">Subject passing criteria</th> <th data-bbox="798 544 1136 577">Passing threshold</th> <th data-bbox="1139 544 1479 577">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 580 794 613">team work assesment</td> <td data-bbox="798 580 1136 613">51.0%</td> <td data-bbox="1139 580 1479 613">30.0%</td> </tr> <tr> <td data-bbox="456 616 794 645">project results assesment</td> <td data-bbox="798 616 1136 645">51.0%</td> <td data-bbox="1139 616 1479 645">70.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	team work assesment	51.0%	30.0%	project results assesment	51.0%	70.0%
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project results assesment	51.0%	70.0%										
Recommended reading	Basic literature	<p>The reading list depends on the subject of the design issues and may include scientific literature, textbooks, and standards.</p> <p>e.g., Technologia szkła, Waclaw Nowotny</p>										
	Supplementary literature	<p>The reading list depends on the subject of the design issues and may include scientific literature, textbooks, and standards.</p> <p>e.g. Ceramics, Glass and Glass-Ceramics From Early Manufacturing Steps Towards Modern Frontier, Francesco Baino, Massimo Tomalino, Dilshat Tulyaganov</p>										
	eResources addresses											
Example issues/ example questions/ tasks being completed	<p>Development and construction of a demonstration setup for energy conversion Development of a technology for producing ceramics with oriented crystalline grains</p>											
Practical activites within the subject	Not applicable											

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