GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00050062		
Field of study	Materials Engineering, Materials Engineering, Materials Engineering		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2024/2025
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	4	Language of instruction	Polish
Semester of study	7	ECTS credits	15.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Instytut Nanotechnologii i Inżynierii Materiałowej -> Faculty of Applied Physics and Mathematics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Agnieszka Witkowska	
	Teachers	dr hab. inż. Agnieszka Witkowska	

Lesson types and methods of instruction

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

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	20.0	325.0	375

Subject objectives

The aim of the subject is to prepare an engineering diploma thesis. The work can be experimental, theoretical, computational (numerical simulations) or have the character of a literature review.

In all cases, the student must submit a written study in the form of a diploma thesis.

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>K6_U11</td><td>The student recognizes the applied, environmental and economic aspects related to the implemented diploma project. Complies with the health and safety rules in during the tasks realization in the research laboratory and during the preparation of a diploma thesis.</td><td>[SU3] Assessment of ability to use knowledge gained from the subject</td></tr>
<tr><td>K6_U09</td><td>The student has the ability to prepare an oral presentation and conduct a discussion, in Polish, on the issues studied and analyzed in the diploma project.</td><td>[SU5] Assessment of ability to present the results of task</td></tr>
<tr><td>K6_K02</td><td>By implementing the diploma project, the student acquires the ability to think independently and creatively, make a proper conclusions and take appropriate actions.</td><td>[SK3] Assessment of ability to organize work
[SK5] Assessment of ability to solve problems that arise in practice</td></tr>
<tr><td>K6_W07</td><td>The student acquires detailed knowledge in the frame of the subject of their diploma project.</td><td>[SW3] Assessment of knowledge contained in written work and projects</td></tr>
<tr><td>K6_U07</td><td>Preparing for the research activities and developing the project topic (introductory part of the thesis, discussion of the results) the student acquires the ability to search scientific databases and literature databases (mainly in English), select proper sources and obtain information relevant to the diploma project.</td><td>[SU2] Assessment of ability to analyse information
[SU5] Assessment of ability to present the results of task</td></tr>
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<tr><td>Subject contents</td><td>Content determined by the supervisor. Information on the topics of work for a given academic year can be found in the moja.pg system</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Completed courses determined by the supervisor, in line with the field of study.</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>The rating is in line with the evaluation form</td><td>50.0%</td><td>100.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>Literature determined by supervisor.</td></tr>
<tr><td>Supplementary literature</td><td>Literature determined by supervisor.</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>The issues are given each time by the supervisor.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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