GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	MSc Diploma Thesis, PG_00072229		
Field of study	Technical Physics		
Date of commencement of studies	February 2027	Academic year of realisation of subject	2027/2028
Education level	second-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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	17.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Atomic Physics and Luminescence -> Faculty of Applied Physics and Mathematics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Marcin Dampc	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	100.0	0.0	100

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	100	30.0	295.0	425

Subject objectives

Preparation of a diploma thesis.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U01] demonstrates the ability for lifelong independent learning, including acquiring and integrating information from literature, databases and other relevant sources, as well as critically analysing and selecting information, including patent resources.	Is able to use tools that facilitate the processing of information in the field of exact sciences, in particular dedicated databases.	[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information
[K7_U09] communicates effectively on topics related to physics and related disciplines in academic and non-academic environments, organises and participates in substantive discussions, and promotes the pursuit of reliable knowledge.	Can characterize a specific research problem being addressed against the background of current knowledge. Can concisely and communicatively present the problem being studied, the method of solving it, and the conclusions drawn.	[SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task
[K7_U07] demonstrates advanced skills in disseminating knowledge and communicating research results, both individually and collaboratively, in the form of oral presentations, publications or written reports in Polish and English.	Is able to demonstrate the progress of his/her work in the form of regular communication with the supervisor, present its results in the form of an oral presentation and a scientific publication.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task
[K7_K03] demonstrates readiness to perform professional roles responsibly and actively in accordance with societal needs, while adhering to ethical standards and ensuring workplace safety.	He is ready to participate in scientific projects and work in industry.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice

Subject contents

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">not applicable</td></tr>
<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>Preparation of a diploma thesis.</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">Depends on a subject of a diploma thesis.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">None.</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">Depending on a subject of a diploma thesis.</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="3">Not applicable</td></tr>
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