GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Engineering diploma project, PG_00058666		
Field of study	Technical Physics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
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
Semester of study	6	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Division of Complex Systems Spectroscopy -> Institute of Physics and Applied Computer Science -> 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	15.0	0.0	15

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	15	2.0	8.0	25

Subject objectives

Preparation of part of the diploma thesis.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U06] is able to identify and assess risks, economic efficiency and the applicability of proposed engineering solutions, including critical evaluation taking into account non-technical factors such as ethical aspects.	Is able to estimate the costs of project individual elements and present a clear, accurate summary	[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information
[K6_U02] is able to analyse and solve complex and non-standard scientific and technical problems using appropriate analytical, computational, numerical, simulation or experimental methods.	Is able to apply various scientific methods (analytical, numerical, simulation, and experimental) to solve scientific and technical problems depending on the subject of the engineering thesis.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
[K6_W07] is familiar with the basic economic, legal and ethical conditions of engineering activity, including principles of intellectual property protection and entrepreneurship.	Knows how to conduct an economic evaluation of a project and knows its ethical and legal consequences.	[SW3] Assessment of knowledge contained in written work and projects
[K6_K03] demonstrates readiness to perform professional roles responsibly, adhere to ethical principles and ensure occupational safety.	He is ready to develop the project and, based on the knowledge gained, participate in other engineering projects in his future engineering career.	[SK5] Assessment of ability to solve problems that arise in practice [SK3] Assessment of ability to organize work

Subject contents

Course content – project
Depending on a subject of a thesis.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Preparation of part of the diploma thesis.	100.0%	100.0%

Recommended reading	Basic literature	Depends on a subject of a diploma thesis.
	Supplementary literature	None.
	eResources addresses	
Example issues/ example questions/ tasks being completed	Depending on a subject of a diploma thesis.	
Practical activites within the subject	Not applicable	

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