GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma laboratory, PG_00064445		
Field of study	Biomedical Engineering, Biomedical Engineering, Biomedical Engineering		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	second-cycle studies	Subject group	Optional subject group Specialty 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	4	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Chemistry and Technology of Functional Materials -> Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Ewa Wagner-Wysiecka	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	15.0	0.0	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: Implementation of the master's degree programme

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_K02] is ready to provide critical evaluation of received content and to acknowledge the importance of knowledge in solving cognitive and practical problems	The student learns the essential importance of knowledge in solving scientific and practical problems; he/she is able to evaluate and verify the results obtained during experimental work and to relate them to literature data	[SK5] Assessment of ability to solve problems that arise in practice
[K7_U51] can conduct complex laboratory work connected with chemistry and biochemistry, specific to biomedical engineering	Student know the principles of measuring instrumentation and can use it correctly to carry out experimental work. The student is capable of working safely in a chemical laboratory according to accepted safety and hygiene principles.	[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment
[K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	The student is aware of the importance of non-technical aspects and implications of engineering and scientific activities and the impact of scientific development on society	[SK5] Assessment of ability to solve problems that arise in practice
[K7_U12] is able, to an increased extent, to analyze the operation of components and systems related to the field of study, as well as to measure their parameters and study their technical characteristics, and to plan and carry out experiments related to the field of study, including computer simulations, interpret the obtained results and draw conclusions	Students will be able to plan a suitable experiment, carry it out, process the results and interpret them	[SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment

Subject contents: In accordance with the work plan described in the thesis topic, dependent on the thesis topic

Prerequisites and co-requisites	Full degree cycle		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Evaluation of the tasks carried out	100.0%	100.0%
Recommended reading	Basic literature	Depending on the thesis topic; taking into account original fundamental and recent scientific articles related to the thesis topic.	
	Supplementary literature	Depending on the thesis topic; taking into account original fundamental and recent scientific articles related to the thesis topic.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Depending on the subject of the work		
Work placement	Not applicable		

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