GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00055422		
Field of study	Nanotechnology		
Date of commencement of studies	February 2024	Academic year of realisation of subject	2024/2025
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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Zakład Elektrochemii i Fizykochemii Powierzchni -> Instytut Nanotechnologii i Inżynierii Materiałowej -> Faculty of Applied Physics and Mathematics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Jacek Ryl	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	0.0	15.0	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 for the performance and defense of the thesis. Acquainting with elements of scientific methodology.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_U01	Ability to use data bases, scientific literature and self-extraction requests	[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 ability to communicate the progress of the completion of the diploma thesis, the need to undertake research issues and the selection of hypotheses.	[SK2] Assessment of progress of work
[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	General knowledge of related scientific disciplines (chemistry, physics, nanotechnology) and awareness of their directions development	[SW1] Assessment of factual knowledge

Subject contents

Analysis of the faculty diploma regulations.Elements of the methodology of preparing the thesis: selection of the subject and topic of the thesis, work schedulethesis, analysis of the state of knowledge in the subject of the diploma, literature review, work layout, main chapters,purpose of the work, conclusions, references, cost estimate of experimental research, editorial elements of the work: text, results calculation, charts, measurement errors.Presentation of the general subject of the work, literature review.Discussion of the results of own research. Presentation of the main results of the thesis.Critical analysis of the thesis text.Elements of the public presentation of work results. Preparation of the presentation for the defense of the thesis.Presentation of typical questions for the defense of a thesis

Prerequisites and co-requisites

Passed subjects from semesters 1-2.

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	presentation of own results	100.0%	50.0%
	presentation of the scope of the work	100.0%	20.0%
	seminar attendance	50.0%	30.0%
Recommended reading	Basic literature	Scientific Method in Practice. Hugh G. Gauch Jr. Cambridge University Press (December 23, 2002). ISBN-13: 978-0521017084	
	Supplementary literature	Scientific literature, articles in JCR journals on the subject of thesis	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	What is the purpose of the research being conducted?What are the research hypotheses?		
Work placement	Not applicable		