GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma seminar, PG_00058950		
Field of study	Seminarium dyplomowe		
Date of commencement of studies	October 2022	Academic year of realisation of subject	2025/2026
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	4	Language of instruction	Polish
Semester of study	7	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Division of Nanomaterials Physics -> Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Wojciech Sadowski	
	Teachers	prof. dr hab. inż. Wojciech Sadowski	

Lesson types

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

eNauczanie source addresses:

Moodle ID: 2108 Seminarium dyplomowe
https://enauczanie.pg.edu.pl/2025/course/view.php?id=2108

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	1.0	9.0	25

Subject objectives

The aim of the course is to prepare the student for the completion of the diploma thesis, taking into account current issues related to nanotechnology and methodology of scientific work.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_K05	The student is able to present the results of his/her work and perform self-assessment and constructive evaluation of the results of the work of others.	[SK4] Ocena umiejętności komunikacji, w tym poprawności językowej
K6_U08	The student is able to present basic facts in the field of materials engineering and nanotechnology in a popular way.	[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu
K6_U11	The student has the ability to prepare written papers and studies as well as oral presentations on specific issues in the field of physics and related fields and disciplines of science.	[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania

Subject contents	1. Construction and preparation of the thesis. 2. Methodology of scientific work. 3. Introduction to the subject, literature review. 4. Analysis, form of presentation of research results. 5. Leading issues of modern nanotechnology.
Prerequisites and co-requisites	Completion of all specialization subjects from semester 1-6.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Presentation 2: analysis of thesis results. Substantive evaluation of the presentation.	100.0%	40.0%
Participation in lectures on selected issues of nanotechnology	50.0%	20.0%
Presentation 1: an introduction to the topic of the thesis. Substantive evaluation of the presentation.	100.0%	40.0%

Recommended reading

Basic literature	Jarosław Zieliński. Metodologia pracy naukowej. W-wa, 2012
Supplementary literature	Internet resources - new trends in nanotechnology
eResources addresses	

Example issues/ example questions/ tasks being completed	Introductory lecture: Research methodology, Structure and preparation of a thesis (Introduction to the topic, literature review, analysis, presentation of research results). Monographic lecture: Leading issues in contemporary nanotechnology. Introduction to the thesis topic (including a literature review and the current state of research) - student presentation No. 1. Preliminary results of research conducted as part of the thesis - student presentation No. 2.
Practical activites within the subject	Not applicable

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