GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Seminar of applied physics II, PG_00037286		
Field of study	Technical Physics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2027/2028
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	5	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Division of Atomic Molecular and Optical Physics -> 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	prof. dr hab. Anna Perelomova	
	Teachers		

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 address: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=46326

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

The ability to prepare and present issues in the field of physics.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U08] can prepare written works and speeches in Polish and English, concerning detailed issues of physics and related fields, and scientific disciplines	A student monitors the presentation time and answers to questions.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
[K6_U07] presents facts within the scope of physics and other scientific disciplines in a clear manner	A student uses mathematical tools to describe physical phenomena and interprets these phenomena correctly.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task
[K6_U01] learns independently, obtains information from literature, databases and other properly selected sources	A student shows interest in finding sources for presenting interesting physics issues.	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
[K6_K05] presents own work results, transfers information in a commonly understandable manner, communicate and self-evaluate, as well as constructively evaluate the effects of other persons' work	A student prepares a presentation on a general or specialized physics topic.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work

Subject contents

Course content – seminar
The content of the seminars, specifically the presentation topics, is based on student suggestions. Examples include: "Using Physics in Diving" and "Important Advances in Physics in the Last 20 Years." There will be reserved time for discussion and questions.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Prezentation	50.0%	100.0%

Recommended reading

Basic literature	It depends on the subject of the students' presentation

	Supplementary literature	It depends on the subject of the students' presentation
	eResources addresses	
Example issues/ example questions/ tasks being completed	To think about, to suggest and, with the consent of the presenter, present the applications of physics in science, technology or everyday life.	
Practical activites within the subject	Not applicable	

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