



Subject card

Subject name and code	Seminar of applied physics I, PG_00037287						
Field of study	Technical Physics						
Date of commencement of studies	October 2026	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	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 Atomic Physics and Luminescence -> Faculty of Applied Physics and Mathematics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Sebastian Bielski					
	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						
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	Teaching students how to prepare and deliver a presentation on a given or chosen topic and how to discuss.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K6_K01] demonstrates readiness for continuous learning and updating knowledge in physics and related fields, critically evaluating it and recognising its importance in solving practical and theoretical problems.		The student is prepared to independently expand their knowledge for a thorough preparation of a seminar topic and to critically evaluate information presented in discussions.			[SK2] Assessment of progress of work	
	[K6_U01] demonstrates the ability for lifelong independent learning, including acquiring information from literature, databases and other appropriate sources.		The student is able to search for, verify, and use information from various resources, such as literature, scientific articles, and online sources.			[SU2] Assessment of ability to analyse information	
	[K6_U08] communicates effectively using specialist terminology in physics and related disciplines, enabling the preparation of reports, publications or presentations, as well as participation in discussion and expression of opinions.		The student is able to prepare and deliver a presentation covering a selected topic in physics using correct technical terminology, as well as actively participate in discussions by formulating opinions and arguments.			[SU5] Assessment of ability to present the results of task	
Subject contents	<p>Course content – seminar Preparation of a scientific presentation on a selected topic and its delivery.</p> <p>Discussion and commenting on presentations.</p>						
Prerequisites and co-requisites	Basic knowledge of various branches of physics.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	preparation and delivery of a presentation	50.0%	100.0%
	attendance	80.0%	0.0%
Recommended reading	Basic literature	Depending on the topic of the presentation.	
	Supplementary literature	None	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Dark matter; Dark energy Atomic models; Antimatter; Cold fusion; Biomolecules		
Practical activities within the subject	Not applicable		

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