



Subject card

Subject name and code	English for physicists, PG_00049442						
Field of study	Język angielski w fizyce						
Date of commencement of studies	February 2026		Academic year of realisation of subject		2026/2027		
Education level	second-cycle studies		Subject group		Obligatory subject group in the field of study		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		English		
Semester of study	2		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Division of Physics of Organic and Perovskite Photovoltaic Structures -> 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		dr inż. Justyna Lubośna				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	0.0	0.0	0.0	30
	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	30		2.0		18.0	50
Subject objectives	Course aiming to get students acquainted with English nomenclature from chosen branches of physics, mathematics, and informatics. Students are taught how to write scientific texts, as well as, how to prepare and give oral presentations. Another goal of this subject is to present common phrases used in scientific publications and talks.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U08] has enhanced ability to write, including research publications, in Polish and English		Knows how to write scientific publications and diploma theses.		[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu		
	[K7_K82] is equipped to participate actively in lectures, seminars and laboratory classes conducted in foreign language		Knows English nomenclature from chosen fields of physics, mathematics, chemistry and information science. Can work individually and in a group.		[SK1] Ocena umiejętności pracy w grupie [SK4] Ocena umiejętności komunikacji, w tym poprawności językowej		
	[K7_U81] is able to communicate with ease in foreign language at B2+ level of the Common European Framework of Reference for Languages (CEFR) in everyday life, in academic and professional environments		Prepares and gives oral presentations related to science. Knows how to present results of research.		[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania		
	[K7_W81] has knowledge of complex grammatical structures and diverse lexical resources needed to communicate in foreign language in terms of general and specialist language related to field of study		Knows common phrases used in publications and diploma theses.		[SW1] Ocena wiedzy faktograficznej		

Subject contents	Course content – exercises English of Mathematics - fundamental mathematical expressions used in physics and related sciences (such as vector algebra, trigonometric functions, derivatives, integrals); English in chosen branches of Physics - physical quantities, units, error analysis, kinematics, dynamics, electric current; English in IT, chosen aspects; Expressions used in scientific publications and oral presentations.		
Prerequisites and co-requisites	English level of B2+		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	practice test	50.0%	60.0%
	scientific talk	50.0%	40.0%
Recommended reading	Basic literature	1. English for Physicists, J. Szostak, tutorial available at the MS Team channel 2. J. angielski fizyki, techniki i informatyki, J. Szostak, script book for students of Technical Physics 3. University Physics, OpenStax,	
	Supplementary literature	internet resources, IT books published in English and selected by students	
	eResources addresses		
Example issues/ example questions/ tasks being completed	physical quantities, vector addition and multiplication, units, metric prefixes, propagation of errors translation from Polish/English to English/Polish, reading, speaking, reading equations and formulae, grammar		
Practical activities within the subject	Not applicable		

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