



## Subject card

Subject name and code	English in materials engineering, PG_00058692						
Field of study	Materials Engineering, Materials Engineering, Materials Engineering						
Date of commencement of studies	February 2023		Academic year of realisation of subject		2023/2024		
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		Polish		
Semester of study	2		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Instytut Nanotechnologii i Inżynierii Materiałowej -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Kamil Kolincio				
	Teachers		dr hab. inż. Michał Szociński  dr inż. Kamil Kolincio				
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	30.0	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		5.0		15.0	50
Subject objectives	The aim of the course is to familiarize students with the basics of English terminology used in materials engineering and related science disciplines.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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		Student communicates in fluent english, including the language customly used in science and engineering		[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject		
	[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		Studenk knows the English gammar and knows the vcabulary needed for communication in this language, including scientiffic and engineeing issues		[SW3] Assessment of knowledge contained in written work and projects		
	[K7_U82] is able to proficiently obtain and process information related to field of study and academic environment in foreign language at B2+ level of the Common European Framework of Reference for Languages (CEFR)		Student is able to find, verify and analyse the information from sources in English language		[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
	[K7_K81] is able to cooperate in international team at her/his own university, during work placement and during study abroad		student is able to collaborate in a larger group. Student is able to begin and maintain a contact in English language		[SK1] Assessment of group work skills [SK4] Assessment of communication skills, including language correctness		
	[K7_K82] is equipped to participate actively in lectures, seminars and laboratory classes conducted in foreign language		Student is able to understand and analyze lectures in English, including graphical (slides) as well as verbal contents. Student is able to ask questions regarding the lecture		[SK2] Assessment of progress of work [SK4] Assessment of communication skills, including language correctness		

Subject contents	Nomenclature in scope of measurement equipment and methods and thechiques of material fabrication and examination		
	English vocabluary in physics, nanotechnology, and related engineering sciences		
	Chemical terminology, with special emphasis on solid state chemistry..		
Prerequisites and co-requisites	Good command of spoken and written English.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Preparation and active participation in classes	50.0%	33.0%
	vocabluary tests	50.0%	67.0%
Recommended reading	Basic literature	Artur Domański, Piotr Domański, English in Science and Technology. Angielski w naukach ścisłych i technicznych. Wyd. Poltext	
		Słownik naukowo-techniczny polsko-angielski i angielsko polski, WNT	
	Supplementary literature	Selected scientific papers	
	eResources addresses	Adresy na platformie eNauczanie: Język angielski w inżynierii materiałowej - Moodle ID: 33825 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33825">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33825</a>	
Example issues/ example questions/ tasks being completed	Translate terms from English to Polish and vice versa.		
	Name three elements from the lanthanides group		
	Write using words $\sin(x) = 5$		
Work placement	Not applicable		