



Subject card

Subject name and code	English in nanotechnology, PG_00049317						
Field of study	Nanotechnology						
Date of commencement of studies	February 2023		Academic year of realisation of subject		2022/2023		
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	1		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. Michał Winiarski				
	Teachers		dr inż. Michał Winiarski				
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		2.0		18.0	50
Subject objectives	The aim of the course is to familiarize students with the basics of English terminology used in nanotechnology and material science.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K7_W09		The student uses English terms in a wide range of technical knowledge.		[SW1] Assessment of factual knowledge		
	[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		The student communicates in the general and specialist English language, that is consistent with his / her field of study.		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
	[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		the student has a good command of the English language.		[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		The student cooperates in international teams at the university and abroad.		[SK1] Assessment of group work skills		
Subject contents	Laboratory and measurement equipment.						
	English terminology in solid state physics and chemistry and nanotechnology						
	Nomenclature used in materials science and engineering.						

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
	final exam	50.0%	33.0%
	homeworks	50.0%	33.0%
	short tests during the semester	50.0%	34.0%
Recommended reading	Basic literature	Artur Domański, Piotr Domański, English in Science and Technology. Angielski w naukach ścisłych i technicznych. Wyd. Poltext	
	Supplementary literature	Selected scientific papers	
	eResources addresses	Adresy na platformie eNauczanie: Język angielski w nanotechnologii - Moodle ID: 29145 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29145	
Example issues/ example questions/ tasks being completed	Translate sentences from English to Polish and vice versa.		
	Give the names of the lab equipment in the material synthesis laboratory.		
Work placement	Not applicable		