GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	English in nanotechnology, PG_00049180		
Field of study	Język angielski w nanotechnologii		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level	first-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	3	Language of instruction	Polish
Semester of study	5	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Maciej Bobrowski	
	Teachers		

Lesson types

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	1.0	19.0	50

Subject objectives

The course will systematically introduce vocabulary, terminology, and common expressions in chemical and physical applications in nanotechnology. Topics related to scientific research, patenting, and publishing scientific and technological results and ideas, as well as common mathematical expressions, will be covered. Many new words and phrases from the English language will be introduced, and attention will be paid to English grammar and pronunciation. Students will be primarily creative, presenting their presentations on assigned topics, which will then be discussed by the entire group in class.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K05] can present effects of their own work, provide information in a clear manner, communicate and self-evaluate, and give constructive feedback on the work of others.	The student is able to clearly and correctly present a summary of a scientific article he or she has read.	[SK4] Ocena umiejętności komunikacji, w tym poprawności językowej
[K6_U11] can prepare dissertations, papers, oral presentations, in Polish and English, concerning detailed problems in physics and related fields and disciplines of science.	The student is able to construct a statement in English on a selected topic related to the field of nanotechnology.	[SU1] Ocena realizacji zadania

Subject contents

Course content – seminar
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
Preparation and presentation of assigned material in English	50.0%	90.0%
Homework and class activities	50.0%	10.0%

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	

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.
Practical activites within the subject	Not applicable

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