GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	English in nanotechnology, PG_00049180		
Field of study	Nanotechnology		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2025/2026
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	Division of Physics of Disordered Systems -> Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Maciej Bobrowski	
	Teachers	dr hab. Maciej Bobrowski	

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

eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=1350

Additional information:
In-person classes and seminars. In the event of an epidemiological situation, classes may be organized remotely (online).

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_U11	The student is able to construct a statement in English on a selected topic related to the field of nanotechnology.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task [SU2] Assessment of ability to analyse information
K6_K05	The student is able to clearly and correctly present a summary of a scientific article he or she has read.	[SK2] Assessment of progress of work [SK4] Assessment of communication skills, including language correctness

Subject contents

Laboratory and measurement equipment.

English terminology in solid state physics and chemistry and nanotechnology

Nomenclature used in materials science and engineering.

<table>
<tr><td>Prerequisites and co-requisites</td><td>Good command of spoken and written English.</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Homework and class activities</td><td>50.0%</td><td>10.0%</td></tr>
<tr><td>Preparation and presentation of assigned material in English</td><td>50.0%</td><td>90.0%</td></tr>
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</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Artur Domański, Piotr Domański, English in Science and Technology. Angielski w naukach ścisłych i technicznych. Wyd. Poltext</td></tr>
<tr><td>Supplementary literature</td><td>Selected scientific papers</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Translate sentences from English to Polish and vice versa.

Give the names of the lab equipment in the material synthesis laboratory.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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