GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	English language in mathematics II , PG_00049179		
Field of study	Mathematics		
Date of commencement of studies	October 2022	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	2	Language of instruction	English
Semester of study	4	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Zakład Analizy Nieliniowej -> Instytut Matematyki Stosowanej -> Faculty of Applied Physics and Mathematics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Karol Wroński	
	Teachers	dr inż. Karol Wroński	

Lesson types and methods of instruction

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	5.0	15.0	50

Subject objectives

Preparing students to communicate fluently in mathematical specialist English. Expanding the mathematicalvocabulary and acquainting with the phrases characteristic of complex mathematical texts. Th ability topresent your mathematical knowledge in English, both in writing and speaking.

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	Fluent speaking and writing and the ability to discuss mathematical topics in English.	[SU1] Assessment of task fulfilment
[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	Correct speaking and writing in a specialist language, with particular emphasis on the correct formulation of logical sentences. Knowledge of phrases typical of professional mathematical literature	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge
[K7_K81] is able to cooperate in international team at her/his own university, during work placement and during study abroad	The ability to speak fluently in English on specialist topics. Knowledge of specialized vocabulary from many areas of mathematics.	[SK4] Assessment of communication skills, including language correctness [SK1] Assessment of group work skills

Subject contents

Learning to use specialist English correctly. Speaking fluently, correct writing and detailed understanding ofmathematical texts.

Prerequisites and co-requisites

Completion of the English Language course in the previous semesters.

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Presentation</td><td>50.0%</td><td>50.0%</td></tr>
<tr><td>Tests</td><td>50.0%</td><td>50.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Polsko-angielski słownik matematyczny, H. Jezierska, Wydawnictwo Naukowo-Techniczne WNT, 2004.

Angielsko-polski słownik matematyczny, H. Jezierska, Wydawnictwo Naukowo-Techniczne WNT, 2007.

Słownik polsko-angielski angielsko-polski pojęć i kontekstów matematycznych, W. Regel, Bila Wydawnictwo, 2016</td></tr>
<tr><td>Supplementary literature</td><td>Writing Mathematical Papers in English: A Practical Guide, J. Trzeciak, 1995</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:
Język angielski w matematyce II 2023/24 - Moodle ID: 37221
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37221</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">Prepare a presentation in English on a selected topic in higher mathematics, e.g. presenting in Englishany numerical algorithm for solving a differential equation. Write a short text in English on a given topic,e.g. carrying out a proof in English using the mathematical induction. Discussion in English onmathematical topics.</td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
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