



## 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 mathematical vocabulary and acquainting with the phrases characteristic of complex mathematical texts. The ability to present 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 of mathematical texts.						
Prerequisites and co-requisites	Completion of the English Language course in the previous semesters.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Presentation	50.0%	50.0%
	Tests	50.0%	50.0%
Recommended reading	Basic literature	<p>Polsko-angielski słownik matematyczny, H. Jezierska, Wydawnictwo Naukowo-Techniczne WNT, 2004.</p> <p>Angielsko-polski słownik matematyczny, H. Jezierska, Wydawnictwo Naukowo-Techniczne WNT, 2007.</p> <p>Słownik polsko-angielski angielsko-polski pojęć i kontekstów matematycznych, W. Regel, Bila Wydawnictwo, 2016</p>	
	Supplementary literature	Writing Mathematical Papers in English: A Practical Guide, J. Trzeciak, 1995	
	eResources addresses	<p>Adresy na platformie eNauczanie:</p> <p>Język angielski w matematyce II 2023/24 - Moodle ID: 37221  <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37221">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37221</a></p>	
Example issues/ example questions/ tasks being completed	<p>Prepare a presentation in English on a selected topic in higher mathematics, e.g. presenting in English any 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 on mathematical topics.</p>		
Work placement	Not applicable		