



## Subject card

Subject name and code	English language in mathematics I , PG_00049171						
Field of study	Mathematics						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2023/2024		
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		English		
Semester of study	6		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	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  Frank Llovera Trujillo				
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 themathematical vocabulary and acquainting with the phrases characteristic of complex mathematical texts. Theability to present your mathematical knowledge in English, both in writing and speaking.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U81] is able to communicate appropriately 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		
	[K6_W81] has knowledge of grammatical structures and 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.		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
	K6_U01		Speaking and writing in English on topics related to higher mathematics. Presenting complex reasoning in English.		[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task		
	[K6_K81] is able to cooperate in international student team		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
	Tests	50.0%	50.0%
	Presentations	50.0%	50.0%
Recommended reading	Basic literature	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, Biła Wydawnictwo, 2016	
	Supplementary literature	Writing Mathematical Papers in English: A Practical Guide, J. Trzeciak, 1995	
	eResources addresses	Adresy na platformie eNauczanie: Język angielski w matematyce I - Moodle ID: 37274 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37274">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37274</a>	
Example issues/ example questions/ tasks being completed	Prepare a presentation in English on a selected topic in higher mathematics, e.g. presenting in English anynumerical 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 mathematicaltopics.		
Work placement	Not applicable		