



Subject card

Subject name and code	English language in mathematics I , PG_00049171						
Field of study	Mathematics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2024/2025		
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	Divison of Nonlinear Analysis -> Institute of Applied Mathematics -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Justyna Signerska-Rynkowska					
	Teachers	dr inż. Justyna Signerska-Rynkowska					
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 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		
	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_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_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_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	<p>Learning to use specialist English correctly. Fluent speaking, correct writing and detailed understanding of mathematical texts. During classes throughout the semester, students prepare presentations on selected topics related to subsequent branches of higher mathematics. These presentations are an inspiration for discussion and enrichment of vocabulary and phrases characteristic of specialist language.</p> <p>In addition to presentations, they also solve exercises prepared by the teacher, and also complete written tasks, e.g. preparing a CV in English, translating an abstract of a scientific article.</p>																				
Prerequisites and co-requisites	Completion of the English Language course in the previous semesters																				
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="448 472 794 510">Subject passing criteria</th> <th data-bbox="794 472 1141 510">Passing threshold</th> <th data-bbox="1141 472 1487 510">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 510 794 544">taking active part in the classes</td> <td data-bbox="794 510 1141 544">50.0%</td> <td data-bbox="1141 510 1487 544">10.0%</td> </tr> <tr> <td data-bbox="448 544 794 577">Quiz on eNauczenie platform</td> <td data-bbox="794 544 1141 577">50.0%</td> <td data-bbox="1141 544 1487 577">10.0%</td> </tr> <tr> <td data-bbox="448 577 794 611">written task</td> <td data-bbox="794 577 1141 611">50.0%</td> <td data-bbox="1141 577 1487 611">10.0%</td> </tr> <tr> <td data-bbox="448 611 794 645">presentations</td> <td data-bbox="794 611 1141 645">50.0%</td> <td data-bbox="1141 611 1487 645">40.0%</td> </tr> <tr> <td data-bbox="448 645 794 678">test</td> <td data-bbox="794 645 1141 678">60.0%</td> <td data-bbox="1141 645 1487 678">30.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	taking active part in the classes	50.0%	10.0%	Quiz on eNauczenie platform	50.0%	10.0%	written task	50.0%	10.0%	presentations	50.0%	40.0%	test	60.0%	30.0%
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Recommended reading	Basic literature	<p>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</p>																			
	Supplementary literature	Writing Mathematical Papers in English: A Practical Guide, J. Trzeciak, 1995																			
	eResources addresses	<p>Adresy na platformie eNauczenie: Język angielski matematyki I 2024/25 - Moodle ID: 19285 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=19285</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																				

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