

Subject card

Subject name and code	Working with a scientific text, PG_00152993						
Field of study	Mathematics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Master's studies		Subject group		Optional subject group Specialty subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish Polish or English		
Semester of study	3		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Institute of Mathematics -> Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Andreas Zastrow				
	Teachers						
Lesson types	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		0.0		20.0	50
Subject objectives	Preparing the student to independently study scientific literature, search for scientific sources and critically analyze mathematical texts.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[MATMU2_W02] knows and understands well the role and importance of the construction of mathematical reasoning	knows and understands the meaning of various types of scientific texts, with particular emphasis on mathematical texts; knows and understands the role of the most important elements of the structure of a mathematical article	[SW1] oral statement/ conversation/discussion
	[MATMU2_K02] is ready to precisely formulate questions to deepen his/her understanding of a given topic or find missing elements of reasoning	is ready to precisely formulate questions to deepen one's understanding of the topic of a given scientific text or to find missing elements of reasoning	[SK1] oral statement/conversation/ discussion
	[MATMU2_K04] is ready to understand and appreciate the importance of intellectual honesty in one's own and other people's actions; ethical conduct	understanding and appreciating the importance of intellectual honesty in scientific work, with particular emphasis on recognizing authorship of research results	[SK8] observation of student's independent or team work
	[MATMU2_U03] can understand mathematical texts of various types from selected fields of mathematics	is able to analyze a scientific article from a selected field of mathematics, interpret its theses and reconstruct the line of reasoning contained therein	[SU2] presentation/project/paper/ report
	[MATMU2_K01] is willing to acknowledge the limitations of his or her own knowledge and is willing to pursue further education	is willing to acknowledge the limitations of his or her own knowledge and is willing to pursue further education	[SK8] observation of student's independent or team work
	[MATMU2_K06] is ready to formulate opinions on basic mathematical issues	is ready to formulate an opinion on the content of a scientific article	[SK1] oral statement/conversation/ discussion
	[MATMU2_K05] is ready to independently search for information in literature, also in foreign languages	independent search for information in literature, also in foreign languages	[SK8] observation of student's independent or team work
	[MATMU2_U04] is able, at an advanced level and including modern mathematics, to apply and present, orally and in writing, methods of at least one selected branch of mathematics	can present in oral and written form the content of a scientific article in a selected field of mathematics	[SU2] presentation/project/paper/ report
Subject contents	1. Types of scientific texts. 2. Searching for scientific sources. 3. Organization and structure of mathematics articles. 4. Strategies for reading and analyzing mathematical text. 5. Summary and presentation of the content of a mathematical article.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	activity during the classes including the presentation of the final work	51.0%	100.0%
	Observation of the student's attitude	51.0%	0.0%
	Final work	51.0%	0.0%
Recommended reading	Basic literature	A. Roux, How to read mathematics, https://www-users.york.ac.uk/~ar521/papers/roux2003b.pdf S. Keshav, How to Read a Paper, http://svr-sk818-web.cl.cam.ac.uk/keshav/papers/07/paper-reading.pdf	
	Supplementary literature	S. Simonson and F. Gouvea,How to Read Mathematics, https://web.stonehill.edu/compsci/History_Math/math-read.htm	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Not applicable		
Work placement	Not applicable		

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