

Subject card

Subject name and code	Practical teaching of mathematics 1 in elementary school, PG_00155419						
Field of study	Mathematics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		5.0		
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 Agnieszka Demby				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	60.0	0.0	0.0	0.0	60
	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	60		5.0		60.0	125
Subject objectives	The aim of the internship is to gather experience related to the didactic and educational work of a teacher and to confront the acquired knowledge in the field of detailed didactics with the pedagogical reality in practical activity.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[MATL3_K01] is ready to accept the limitations of his/her own knowledge and understands the need for further education		Is willing to acknowledge the limitations of his own knowledge and is willing to pursue further education.		[SK8] observation of student's independent or team work		
	[MATL3_K04] is ready to understand and appreciate the importance of intellectual honesty in one's own and other people's actions; is willing to act ethically		Is ready to understand and appreciate the importance of intellectual honesty in one's own and other people's actions; ethical conduct.		[SK8] observation of student's independent or team work		

Subject contents	1. Organization of the mathematics teaching process in primary school. 2. Specificity of the intellectual development of a student aged 10-15. 3. Lesson structure. Types of lessons. 4. Lesson objectives. 5. Various methods of work in the classroom, including individual work of the student and in a team. 6. Use of demonstrative means in teaching. 7. Adaptation by the teacher of work methods, teaching aids and language of expression to the student's developmental stage and to their level of advancement in mathematics. 8. Communication with the student. 9. Notes on the board and in the student's notebook. 10. Problems of monitoring and assessing students' work. 11. Supporting the development of a gifted student interested in mathematics. Procedures for the development of a student who has problems with mathematics. 12. Observation by the student of the teacher's lesson and the lessons of other students; documenting classes. Analyzing observed lessons. 13. Lesson planning. Practical exercises in preparing lesson plans. Conducting lessons and analyzing lessons conducted. 14. Familiarizing students with the material contained in textbooks and collections of tasks from primary school.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	observation of the student's attitude	51.0%	0.0%
	Conducting lessons.	51.0%	60.0%
	Activity in discussion.	51.0%	20.0%
	Lesson plans.	51.0%	20.0%
Recommended reading	Basic literature	1. Core curriculum, curricula, methodological guides and other works for teachers. 2. School textbooks, workbooks, collections of tasks and other works for students. 3. Popular science books and articles. 4. Magazines for mathematics teachers (including: "Matematyka", "Matematyka w Szkole").	
	Supplementary literature	Websites devoted to the theory of didactics and practical solutions and good practices used in teaching at primary school level.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Propose a lesson plan for students of class 5 - on the topic: Introduction to the concept of a prism. What visual aids will be useful here?		
Work placement	Not applicable		

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