

Subject card

Subject name and code	Master Diploma Lab I, PG_00206854						
Field of study	Mathematics						
Date of commencement of studies	October 2026		Academic year of realisation of subject			2027/2028	
Education level	Master's studies		Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study	
Mode of study	full-time studies		Mode of delivery			at the university	
Year of study	2		Language of instruction			Polish	
Semester of study	3		ECTS credits			4.0	
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. Tomasz Człapiński				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	60.0	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		0.0		40.0	100
Subject objectives	The aim is to prepare students to write a master's thesis.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[MATMU2_U02] can express mathematical content orally and in writing, in mathematical texts of various nature, in Polish or English	The student is able to write a term paper and present in writing material previously presented in oral form during the seminar.	[SU3] text preparation/written work
	[MATMU2_U07] can present results from a selected field of mathematics or its applications in writing, orally, as a multimedia presentation or poster, using specialist terminology; can find the necessary information in specialist literature, both in databases and other sources	The student is able to write a term paper and present in writing material previously presented in oral form during the seminar.	[SU3] text preparation/written work
	[MATMU2_U04] is able to apply the scientific method in solving advanced problems in a selected branch of mathematics or its applications, and appropriately selects methods and tools - mathematical or computer - needed to solve such problems	The student is able to formulate a research problem and select appropriate methods and tools (mathematical or computational) necessary for its analysis, based on an in-depth review of the subject literature.	[SU8] observation of student's independent or team work
	[MATMU2_U03] can understand texts of various nature, from selected fields of mathematics and related sciences	The student is able to analyze and interpret advanced mathematical texts and publications from related fields, identifying key definitions, theorems, and proof structures relevant to the chosen research topic.	[SU8] observation of student's independent or team work
	[MATMU2_K03] is ready to take a scientific approach to the issues being solved, using scientific literature, as well as expert opinions in case of difficulties in solving the problem independently	The student is ready to independently plan the research process through the critical selection of mathematical literature and the identification of the limits of their own knowledge; demonstrates openness to expert consultations to resolve complex theoretical uncertainties.	[SK8] observation of student's independent or team work
Subject contents	1. Topic and title of the work. 2. Selection, use and differentiation of sources, references. 3. Structure of the work, division of content, order of chapters. 4. Specificity of writing a mathematical text. 5. Preparation and presentation of the result.		
Prerequisites and co-requisites	none		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	presentation of the result	51.0%	30.0%
	observation of the student's attitude	51.0%	0.0%
	completing a final work	51.0%	70.0%
Recommended reading	Basic literature	1. J. Boć, How to write a master's thesis, Kolonia Limited, Wrocław 2004. 2. A. Diller, LaTeX line by line: principles and techniques of document processing, Helion Publishing House, Gliwice 2001. 3. E. Rafajłowicz, W. Myszka, LaTeX advanced tools, Academic Publishing House PLJ, Warsaw 1996.	
	Supplementary literature	none	
	eResources addresses		
Example issues/ example questions/ tasks being completed	not included		
Work placement	Not applicable		

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