



Subject card

Subject name and code	Diploma seminar MF, PG_00025581						
Field of study	Mathematics						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	Subject group			Optional subject group 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	4	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Zdzisław Dzedzej					
	Teachers	dr hab. Zdzisław Dzedzej					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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	Two main aims: a) presentation of partial results concerning students' theses and their subjects b) preparation to the diploma exam by presentation and discussion of answers to exam questions						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_K01] Knows the limitations of one's own knowledge and understands the need for further education, can independently search for information in literature, also in foreign languages.	presentation of some answers to the exam subjects	[SK4] Assessment of communication skills, including language correctness
	[K7_W04] Has enhanced knowledge of a selected branch of mathematics, theoretical or applied.	presentation of parts of the diploma thesis and discussion	[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation
	[K7_U01] Has the ability to construct mathematical reasoning: proving theorems and refuting hypotheses by constructing and selecting counterexamples, has the ability to express mathematical content in speech and in writing, in mathematical texts of various types.	presentation of examples to illustrate results of the thesis	[SU5] Assessment of ability to present the results of task
	[K7_U10] In a selected field, can examine evidence, in which, if necessary, also can use tools from other branches of mathematics, can identify one's own interests and develop them; in particular, is able to establish contact with specialists in their field, e.g. understand their lectures intended for young mathematicians.	presentation of some proofs from the subject of thesis	[SU5] Assessment of ability to present the results of task
Subject contents	Exam subjects: general and special		
	Topics of diploma theses of participants		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	students presentations	50.0%	100.0%
Recommended reading	Basic literature	Literature depends on students topics	
	Supplementary literature	1. files prepared by older students concerning exam subjects 2. lecture notes 3.L. A. Steen (ed.), Mathematics Today, Springer, 1979	
	eResources addresses	Adresy na platformie eNauczenie:	
Example issues/ example questions/ tasks being completed	Notion of Banach space Notion of Hilbert space Wiener process and its properties		
Work placement	Not applicable		

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