GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma seminar, PG_00030019		
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 -> Wydziały Politechniki Gdańskiej		
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_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
[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_W04] Has enhanced knowledge of a selected branch of mathematics, theoretical or applied.	presentation of parts of the diploma thesis and discussion	[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects

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 byolder students concerning exam subjects 2. lecture notes 3.L. A. Steen (ed.), Mathematcs Today, Springer, 1979
eResources addresses	Adresy na platformie eNauczanie: Seminarium mgr Matematyka 25 - Moodle ID: 44466 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=44466

Example issues/ example questions/ tasks being completed

Notion of Banach space

Notion of Hilbert space

Work placement

Not applicable

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