GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma seminar MF, PG_00025581		
Field of study	Mathematics		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
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 -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Zdzisław Dzedzej	
	Teachers	dr hab. Zdzisław Dzedzej	

Lesson types

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

eNauczanie source addresses:

Moodle ID: 4802 Seminarium mgr matematyka 26
https://enauczanie.pg.edu.pl/2025/course/view.php?id=4802

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] acknowledges the limitations of one's own knowledge and understands the need for further education, independently searches 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_U08] in a selected field, examines evidence, in which also can use tools from other branches of mathematics,	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	presentation of examples to illustrate results of the thesis	[SU5] Assessment of ability to present the results of task
[K7_K04] forms opinions on mathematical issues	Disscusion on the students presentations	[SK4] Assessment of communication skills, including language correctness

<table>
<tr><td>Subject contents</td><td>Course content – seminar
Exam subjects: general and special

Topics of diploma theses of participants</td></tr>
<tr><td>Prerequisites
and co-requisites</td><td></td></tr>
<tr><td>Assessment methods
and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>students presentations</td><td>50.0%</td><td>100.0%</td></tr>
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</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Literature depends on students topics</td></tr>
<tr><td>Supplementary literature</td><td>1. files prepared by older students concerning exam subjects

2. lecture notes

3.L. A. Steen (ed.), Mathematcs Today, Springer, 1979</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/
example questions/
tasks being completed</td><td>Notion of Banach space

Notion of Hilbert space</td></tr>
<tr><td>Practical activites within
the subject</td><td>Not applicable</td></tr>
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