GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Specialization seminar, PG_00049176		
Field of study	Mathematics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2027/2028
Education level	first-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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Institute Of Applied Mathematics -> Faculty Of Applied Physics And Mathematics -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Piotr Bartłomiejczyk	
	Teachers		

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

Adresy na platformie eNauczanie:

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	40.0	75

Subject objectives

The aim of the course is to prepare the student for the presentation of the project, as well as to acquaint students with the questions for the Bc examination and to learn more about these questions.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_W05	Is able to apply basic mathematical concepts concerning the topic of the thesis.	[SW2] Assessment of knowledge contained in presentation
K6_K04	The student can answer the questions on the list prepared for the diploma examination	[SK4] Assessment of communication skills, including language correctness
K6_U12	Is familiar with statistical reasoning and is able to it the studied matters.	[SU4] Assessment of ability to use methods and tools
K6_K01	the student is able to prepare a short presentation covering his bachelor's thesis and answer any questions about the thesis.	[SK2] Assessment of progress of work
K6_W04	Got acquainted the knowledge of basic facts and theorems related to the subject of the thesis	[SW2] Assessment of knowledge contained in presentation

Subject contents

1. Exam questions, Mathematics I, General list

2. Exam questions, Mathematics I, Specialty list

3. Group specialty project

Prerequisites and co-requisites

The Knowledge needed to write a Bc project on own subject. Knowledge of the basic concepts of first-cycle studies, allowing to understand the presentation of other speakers

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Presentation	50.0%	100.0%

Recommended reading	Basic literature	any
	Supplementary literature	any
	eResources addresses	
Example issues/ example questions/ tasks being completed	1. Continuity and differentiability of functions 2. Green and Stokes theorems 3. Conical curves 4. Orthogonal transforms and matrices 5. Derivative of a complex function, Cauchy-Riemann equations	
Work placement	Not applicable	

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