GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Specialization seminar, PG_00049175		
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	Divison Of Nonlinear Analysis -> Institute Of Applied Mathematics -> Faculty Of Applied Physics And Mathematics -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Marcin Styborski	
	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 students for the bachelor's exam and for the presentation of their specialization project. Issues from the list of questions for the exam are presented. Students are to acquire basic skills in presenting their work.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_W04	The student knows and understands the statements that are used in the final project.	[SW2] Assessment of knowledge contained in presentation
K6_K04	The student is able to answer the questions on the list prepared for the diploma examination.	[SK4] Assessment of communication skills, including language correctness
K6_U12	The student knows the basics of statistical reasoning and knows how to use them to solve problems.	[SU4] Assessment of ability to use methods and tools
K6_K01	After his presentation, the student receives feedback, thanks to which he is aware of what he should improve in the presentation and what knowledge he should acquire.	[SK2] Assessment of progress of work
K6_W05	The student is able to use the basic mathematical concepts in the field of the work. Draws attention to the analysis of counterexamples.	[SW2] Assessment of knowledge contained in presentation

Subject contents

1. Exam questions, 1st degree Maths, General questions
2. Exam questions, 1st degree mathematics, specialty questions
3. Group specialty projects

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">Acquaintance with the knowledge needed to prepare a specialization project on their subject. Understanding the basic concepts of 1st degree studies, allowing to understand the presentation of other speakers.</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Evaluation of the presentation</td><td>50.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Each student selects literature individually on the basis of the topic of his / her work and questions from the list that he is developing.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Nie dotyczy</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">1. To tell about the project in preparation
2. Formulate the fundamental theorem of calculus
3. Give the definition of measurable space
4. Define complex differentiability and discuss the differences with the derivative of the function of a real variable.</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
</table>

Document generated electronically. Does not require a seal or signature.