GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	BSc Diploma Seminar II, PG_00068250						
Field of study	Biomedical Engineering, Biomedical Engineering, Biomedical Engineering						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2029/2030		
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	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Chemistry and Technology of Functional Materials -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Ewa Wagner-Wysiecka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	15.0	15
	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	15		1.0		9.0	25
Subject objectives	The course supports and coordinates the implementation of the engineering project (thesis). Classes focus on monitoring the progress of the project and addressing methodological, technical, and analytical aspects of the practical part of the diploma thesis.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K01] is ready to cultivate and disseminate models of proper behaviour in and outside the work environment; make independent decisions; critically evaluate actions of their own, teams they lead and organisations they are part of; take responsibility for results of these actions; responsibly perform professional roles, including:n - observing rules of professional ethics and require it from others,n - care for the achievements and traditions of the professionn	Student understands the ethical aspects of professional standards - including intellectual property; performs tasks in accordance with accepted principles.	[SK3] Assessment of ability to organize work
[K6_U10] can individually plan their own lifelong education, also by means of advanced information and communication technologies (ICT), and communicate with people from their environment, firmly justify their point of view, participate in debates, present, assess and discuss different opinions and points of view, as well as use specialist terminology related to the field of study in communication	The student is competent to plan and present methods of implementing an engineering task and to undertake a discussion and defense of the concepts being presented	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools
[K6_W11] knows and understands, to an advanced extent, the general principles of setting up and development of business entities, forms of individual entrepreneurship and running ventures and the fundamental dilemmas of modern civilization and basic economic, legal and other conditions of various types of activities related to the field of study, including the basic concepts and principles in the field of industrial property and copyright protection	The student understands the importance of copyright law and industrial property protection in the process of preparing a diploma thesis and conducting engineering projects in the field of biomedical engineering, and is able to identify basic economic and ethical aspects related to the implementation of such undertakings.	[SW2] Assessment of knowledge contained in presentation
[K6_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems	Student is competent to critically analyze the results obtained with the use of methods and tools specific to the task at issue	[SK2] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice

Subject contents

Course content – seminar

1. Student presentations on advanced stages of diploma thesis implementation documentation of activities, progress analysis, and discussion of identified difficulties.
2. Reporting on project task implementation, schedule verification, and discussion of compliance with the thesis assumptions.
3. Individual presentations summarizing the practical part of the diploma thesis data analysis, conclusions, and preparation for the diploma examination.

Prerequisites and co-requisites

The student has the theoretical knowledge and practical skills necessary to carry out an engineering project in a selected area of biomedical engineering.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Two individual presentations related to the topic of the diploma thesis.	51.0%	100.0%

Recommended reading

Basic literature	Indicated by the teacher tutor of graduate student
Supplementary literature	Indicated by the teacher tutor of graduate student
eResources addresses	

Example issues/ example questions/ tasks being completed

1. Analysis of strengths and weaknesses in diploma project presentations moderated group discussion.
2. Discussion of the structure and layout of the practical part of the engineering thesis problem-based approach, experiment description, and interpretation of results.
3. Improvement of presentation skills constructive feedback, scientific communication, and self-presentation techniques.
4. Preparation and delivery of an individual presentation summarizing the practical part of the diploma thesis data analysis and conclusions.

Practical activites within the subject

Not applicable