GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	DIPLOMA SEMINAR, PG_00063506		
Field of study	Biotechnology		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	Optional subject group
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	Department of Chemistry Technology and Biotechnology of Food -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Hanna Staroszczyk	
	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

eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=4080

Additional information:

Seminar classes are held at the university. The teacher posts all necessary materials and presentations prepared by each student on the e-course on the eNauczanie platform.

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	2.0	33.0	50

Subject objectives

The aim of the course is to teach students how to prepare and present their diploma thesis and discuss its results in the form of a diploma thesis.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U06] plans research and designs biotechnological products and processes taking into account legal regulations and bioethical principles	The student applies legal regulations and bioethical principles in the design of biotechnological products and processes.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject
[K7_K03] understands the social role and importance of providing reliable information and opinions to the public	The student is ready to organize their own work and cooperate in conducting experiments, as well as to present and discuss the results obtained.	[SK2] Assessment of progress of work [SK3] Assessment of ability to organize work
[K7_W05] identifies crucial developments in research, apparatus and technology in biotechnology and related fields	The student is familiar with key areas of development in research, equipment, and techniques in biotechnology, including those related to food biotechnology.	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
[K7_U08] prepares documentation of experiments and technological processes using professional terminology in biotechnology and related fields	The student is able to use analytical methods applied in biotechnology and analyze and present the obtained results.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task

<table>
<tr><td>Subject contents</td><td>Course content – seminar
The course consists of four components:
1. The lecturer presents the general guidelines for writing a diploma thesis and discusses methods of searching the literature using professional literature databases.
2. Students present multimedia presentations of their diploma theses.
3. Students present multimedia presentations showing the results of experiments conducted as part of their diploma theses.
4. Students prepare a short written report (approx. one page) presenting the objective, assumptions, and plan of their diploma thesis.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Students must complete the full cycle of education at the first and second levels of study, as the diploma seminar is the final course subject. Students must simultaneously complete a diploma laboratory as part of their diploma project.</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>preparation of one question for the diploma exam</td><td>60.0%</td><td>10.0%</td></tr>
<tr><td>preparation of a written paper based on the experimental part of the diploma thesis</td><td>60.0%</td><td>45.0%</td></tr>
<tr><td>preparation of presentation</td><td>60.0%</td><td>45.0%</td></tr>
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<tr><td>Recommended reading</td><td><table>
<tr><td>Basic literature</td><td>Literature databases offered by the Gdańsk University of Technology Library:
-Web of Science
-SciFinder
-Scopus</td></tr>
<tr><td>Supplementary literature</td><td>Public databases:
Protein Data Bank (structural database)
UNIPROT (bioinformatics database)</td></tr>
<tr><td>eResources addresses</td><td>Supplementary
https://enauczanie.pg.edu.pl/2025/course/view.php?id=4080 - Addresses on the eNauczanie platform: Diploma seminar 2025/2026 – summer semester</td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>Discussing the content of each student presentation.
Questions for the presenter from students and the teacher.
Critical evaluation of the presented results.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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