GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	DIPLOMA SEMINAR, PG_00063496
Field of study	Biotechnology

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
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 Pharmaceutical Technology and Biochemistry -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology

Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Sławomir Milewski
	Teachers	prof. dr hab. inż. Sławomir Milewski

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	2.0	33.0	50

Subject objectives	The aim of the course is to teach students how to prepare and present the diploma project itself and discuss its results presented in the form of a diploma thesis.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_U08] prepares documentation of experiments and technological processes using professional terminology in biotechnology and related fields	The student is able to prepare and present a report on the conducted experimental work and technological processes.	[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task
	[K7_W05] identifies crucial developments in research, apparatus and technology in biotechnology and related fields	The student has the knowledge necessary to reliably and critically analyze the state of knowledge in the field of the thesis topic and prepare a written description of the results of this analysis.	[SW3] Assessment of knowledge contained in written work and projects
	[K7_K03] understands the social role and importance of providing reliable information and opinions to the public	The student is able to critically assess both the importance of their diploma project and the results of his/her work on its implementation. The student acquires a sense of the importance of detail in the implementation of a diploma project in the field of biotechnology. The student develops an attitude of responsible work and confronts the potential risks of conducting experiments.	[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work
	[K7_U06] plans research and designs biotechnological products and processes taking into account legal regulations and bioethical principles	The student is able to design biotechnological processes used in the biopharmaceutical industry and obtain biopharmaceuticals.	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools

Subject contents	Course content – seminar 1. The lecturer presents the general assumptions for conducting diploma projects and discusses how to search literature using professional literature databases.2. Students present multimedia studies presenting diploma projects.3. Students present multimedia studies presenting the results of their work under diploma projects.4. Students in writing prepare a short study (about one page long) presenting the purpose, assumptions and plan of the diploma thesis.		
Prerequisites and co-requisites	The student must complete a full cycle of education at the 1st and 2nd degree, because the diploma seminar is the last course subject. The student must simultaneously carry out the diploma laboratory under which he implements the diploma project.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Prepared text	50.0%	34.0%
	Seminar I	50.0%	33.0%
	Seminar II	50.0%	33.0%
Recommended reading	Basic literature	Literature databases offered by the Gdansk University of Technology Library: -Web of Science -SciFinder -Scopus	
	Supplementary literature	Public databases: Protein Data Bank (structural data base) UNIPROT (bioinformatcs database)	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Discussing each student presentation in terms of content. Questions to the presenter by the students and by the teacher. Critical evaluation of the presented results.		
Practical activites within the subject	Not applicable		

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