



Subject card

Subject name and code	DIPLOMA LABORATORY I, PG_00063488						
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 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	2		Language of instruction		Polish		
Semester of study	3		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		dr hab. inż. Iwona Gabriel				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	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	30		5.0		15.0	50
Subject objectives	Master thesis						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W06] recognizes the technological and scientific, as well as organizational and economic opportunities and limitations in biotechnology and related fields		has the knowledge to independently prepare and conducts research for the diploma thesis.		[SW1] Assessment of factual knowledge		
	[K7_K01] understands the need to constantly update knowledge based on the state of the art in accordance with the latest scientific literature, improve professional skills and the importance of teamwork		is aware of the need to constantly update their knowledge in a given subject area, both in terms of scientific knowledge and technical innovations and current system solutions.		[SK1] Assessment of group work skills [SK2] Assessment of progress of work [SK3] Assessment of ability to organize work		
	[K7_W07] has the skills to design experiments with respect to the protection of intellectual property and the principles of bioethics and applicable legislation		has the necessary knowledge to independently plan research for a scientific paper in accordance with applicable laws and regulations and, after consulting with their advisor, to carry it out.		[SW3] Assessment of knowledge contained in written work and projects		
	[K7_U04] predicts the interaction of biomolecules and biologically active compounds on living organisms and the course of processes involving them based on knowledge in biology, biotechnology and related fields and computer methods of data analysis, modeling and simulation		potrafi przeprowadzić zaplanowane do pracy dyplomowej badania naukowe, wyciągnąć wnioski z otrzymanych wyników i starannie je opisać wykorzystując specjalistyczną nomenklaturę naukową.		[SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	Course content – laboratory In collaboration with their advisor, students plan and conduct research that forms the basis of their thesis.						
Prerequisites and co-requisites	Previous semesters passed						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Theoretical preparation	60.0%	50.0%
	Execution of experimental tasks	60.0%	50.0%
Recommended reading	Basic literature	previous from the course of studies	
	Supplementary literature	Scientific papers	
	eResources addresses		
Example issues/ example questions/ tasks being completed	antymicrobial activity, tissue culture, enzyme inhibition		
Practical activites within the subject	Not applicable		

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