

**Subject card**

Subject name and code	Individual Laboratory, PG_00153679						
Field of study	Biotechnology						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2025/2026		
Education level	undergraduate studies	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	3	ECTS credits			2.0		
Learning profile	academic	Assessment form					
Conducting unit	Intercollegiate Faculty of Biotechnology UG-MUG						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Mariusz Grinholc					
	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	0.0		20.0	50	
Subject objectives	To become familiar with the specifics of working in a science laboratory. To acquire the ability to critically self-assess one's own knowledge and skills. To acquire the ability to organise the workplace and manage time effectively.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[BIOTECHL3_U01] The graduate is able to do basic laboratory work; document activities and results; use basic techniques under the supervision of the supervisor in laboratory work and research tools necessary in biotechnology, with particular emphasis on the analysis of methods of isolation, modification, selection and analysis of organisms, tissues, cells and molecules; handle basic laboratory equipment.	Possesses basic skills necessary for laboratory work; can document activities and results; in laboratory work under the guidance of a supervisor applies basic techniques and research tools necessary in biotechnology, with particular emphasis on methods of isolation, modification, selection and analysis of organisms, tissues, cells and molecules; has the ability to operate basic laboratory equipment			[SU2] presentation/project/paper/report [SU3] text preparation/written work [SU8] observation of student's independent or team work		
	[BIOTECHL3_K01] The graduate is willing to know the limitations of his/her own knowledge and skills; constantly improve, update knowledge, and raise qualifications in biotechnology in the science and natural sciences, as well as medical sciences and health sciences	Is aware of the limitations of his/her own knowledge and skills; demonstrates a willingness to continually improve, update knowledge and enhance qualifications in biotechnology in the fields of science and life sciences and medical and health sciences			[SK2] presentation/project/paper/report [SK3] text preparation/written work [SK8] observation of student's independent or team work		
	[BIOTECHL3_U08] The graduate is able to learn independently in a targeted manner	Learns independently in a focused manner			[SU2] presentation/project/paper/report [SU3] text preparation/written work [SU8] observation of student's independent or team work		
Subject contents	A subject that develops the student's laboratory skills and his/her competences regarding the critical self-assessment of his/her own knowledge and skills, as well as teaching the organisation of his/her own work and proper time management.						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written raport	0.0%	100.0%
Recommended reading	Basic literature	Determined individually for each student - including scientific publications authored by members of the research group in which the course is undertaken.	
	Supplementary literature	None	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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