

Subject card

Subject name and code	Specialization laboratory, PG_00154570						
Field of study	Medical Biology						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2026/2027		
Education level	undergraduate studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		5.0		
Learning profile	academic		Assessment form				
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Anna Herman-Antosiewicz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	60.0	0.0	0.0	60
	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	60		13.0		52.0	125
Subject objectives	Familiarization with the research topics of the department of diploma work and the experimental methods used therein. Mobilizing students to independently formulate and solve research problems. Development of teamwork skills.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLMEDL3_U02] is able to use basic equipment and apparatus used in diagnostics or neuroscience	can use basic equipment and apparatus used in medical biology	[SU2] presentation/project/paper/report [SU6] demonstration of practical skills
	[BIOLMEDL3_U06] reads with understanding scientific texts in Polish and simple texts in English in the field of medical biology; independently searches and uses available sources of information, including electronic sources	reads with understanding scientific texts in Polish and simple texts in English in the field of medical biology; independently searches for and uses available sources of information, including electronic sources	[SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[BIOLMEDL3_K01] understands the need for lifelong learning and to update his/her knowledge of medical biology and related disciplines	understands the need for lifelong learning and updating knowledge in the field of medical biology and related disciplines	[SK8] observation of student's independent or team work
	[BIOLMEDL3_W12] is oriented in the development and current state of knowledge and the latest trends in medical biology; indicates their relationship with other disciplines of natural or medical sciences	A student is familiar with the development, current state of knowledge and the latest trends in medical biology; indicates their relationship with other disciplines of natural or medical sciences	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[BIOLMEDL3_K07] Is responsible for the equipment/materials entrusted to him and his own work and respects the work of others	is responsible for the entrusted equipment/materials and his/her own work and respects the work of others	[SK8] observation of student's independent or team work
	[BIOLMEDL3_W16] explains the theoretical basis of experimental methods and lists the most important techniques of biological sciences that can be applied to medical biology and diagnostics	is able to select appropriate experimental techniques for the planned research work	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[BIOLMEDL3_U14] is able to prioritize and organize the work of a small team and work effectively as part of a team	can work effectively in a team	[SU8] observation of student's independent or team work
	[BIOLMEDL3_U10] in Polish or English, prepares written, well-documented studies of selected problems in medical biology	prepares well-documented written studies of selected experimental problems in Polish or English language	[SU2] presentation/project/paper/report
	[BIOLMEDL3_U05] synthesises data from different sources and draws appropriate conclusions from them	makes a synthesis of data from various sources and draws appropriate conclusions on this basis	[SU2] presentation/project/paper/report
	[BIOLMEDL3_U03] performs simple tasks or research expertise typical of medical biology under the guidance of a supervisor	under the supervision of a research supervisor, performs simple tasks or research expertise	[SU6] demonstration of practical skills
Subject contents	Scientific and research issues in the field of medical biology discussed and implemented in the organizational units of the Faculty of Biology, techniques and methods used in scientific research.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Grading based on the performance of experiments and a written report	51.0%	100.0%
Recommended reading	Basic literature	J. Weiner. Technika pisania i prezentowania przyrodniczych prac naukowych J. Orczyk, Zarys metodyki pracy naukowej, wyd. PWN, Warszawa, 1988	
	Supplementary literature	The student, alone or with the instructor's guidance, composes the literature base necessary to understand the research assumptions.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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