University of Gdańsk

Subject card

Subject name and code	Diploma laboratory, PG_00204446						
Field of study	Medical Biology						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2028/2029			
Education level	Bachelor's 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	6		ECTS credits	9.0			
Learning profile	academic		Assessment form	credit			
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	90.0	0.0	0.0	90
	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	90		45.0		65.0	200
Subject objectives	Learning about current research trends, methods and tools used in experimental scientific work in medical biology, with particular emphasis on broadly understood molecular and biochemical diagnostics. Acquiring the ability to scientifically develop research results and present them concisely, including in English.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOLMEDL3_W12] has an advanced understanding of 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	[SW3] text preparation/written work [SW5] implementation of a problem task
[BIOLMEDL3_W14] describes the principles of using computer tools to analyze data and interpretation of biological phenomena and processes	knows the principles of using IT tools for data analysis and interpretation of biological phenomena and processes	[SW3] text preparation/written work [SW5] implementation of a problem task
[BIOLMEDL3_U02] is able to use basic equipment and apparatus used in diagnostics or neuroscience	can to use basic equipment and apparatus used in medical biology	[SU5] implementation of a problem task
[BIOLMEDL3_W20] knows and understands the basic concepts and principles of industrial property protection and copyright law	knows and understands the basic concepts and principles of industrial property protection and copyright	[SW3] text preparation/written work
[BIOLMEDL3_K02] relates the knowledge acquired to the planning and design of professional activities	applies the acquired knowledge to planning and designing professional activities	[SK5] implementation of a problem task
[BIOLMEDL3_K09] is ready to work with honesty and integrity in his scientific and professional work	is ready for honest and reliable scientific and professional work	[SK3] text preparation/written work [SK5] implementation of a problem task
[BIOLMEDL3_U04] applies basic statistical methods and computer algorithms and techniques to describe phenomena and data analysis	uses basic statistical methods and algorithms and computer techniques to describe phenomena and analyze data	[SU3] text preparation/written work [SU5] implementation of a problem task
[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	uses scientific literature in the field of the diploma thesis; independently searches for and uses information available from available sources, including electronic sources and in English	[SU3] text preparation/written work [SU5] implementation of a problem task
[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	[SU3] text preparation/written work [SU5] implementation of a problem task
[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, prepares an abstract in English	[SU3] text preparation/written work
[BIOLMEDL3_U08] can interpret scientific data related to the profession of medical biologist	is able to interpret numerical data related to the profession of a medical biologist	[SU3] text preparation/written work [SU5] implementation of a problem task
[BIOLMEDL3_U12] has the ability to present his own ideas and adequate argumentation in the context of selected theoretical and practical perspectives of medical biology	has the ability to present his/her own ideas and adequate argumentation in the context of selected theoretical and practical issues of medical biology	[SU3] text preparation/written work [SU5] implementation of a problem task
[BIOLMEDL3_U11] is able to use language specialized for medical biology in a way that is clear and accessible to both specialists and non-specialists alike	can use specialist language for medical biology in a way that is understandable and accessible to both specialists and non-specialists	[SU3] text preparation/written work

Subject contents

Planning and performing literature analyses and/or research work under the supervision of a supervisor. Practical application of research methods used in medical biology. Techniques for developing scientific materials. Principles of conducting a scientific experiment. Rules for using the scientific resources provided.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
credit – preparation and presentation of a diploma thesis with a summary in English	51.0%	100.0%

Recommended reading	Basic literature	Relevant literature on the subject; current scientific publications of international scope indicated by the supervisor and J. Weiner. Technika pisania i prezentowania przyrodniczych prac naukowych J. Orczyk, Zarys metodyki pracy naukowej, wyd. PWN, Warszawa, 1988
	Supplementary literature	Relevant literature on the subject; current scientific publications of international scope indicated by the supervisor
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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