

Subject card

Subject name and code	MSc Laboratory II, PG_00099390						
Field of study	Marine Biotechnology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study 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		English		
Semester of study	4		ECTS credits		23.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Hanna Mazur Marzec				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	400.0	0.0	0.0	400
	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	400		20.0		100.0	520
Subject objectives	Acquiring the extended knowledge and understanding the advanced methods used in marine biotechnology; extending his/her laboratory work skills including independently planning and conducting experiments, consulting their results with the tutor. The student will deepen his/her ability to independently document the conducted experiments and their results and learns to independently operate the research devices.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[MBMU2-KU01] Can plan and carry out tests in the laboratory and at sea, and document activities and results; can use laboratory equipment under the guidance of a tutor; applies principles of occupational health and safety		Possess the ability to plan and perform the laboratory experiments and document the results; is able to use research tools applied during MSc laboratory		[SU1] oral statement/conversation/discussion [SU3] text preparation/written work [SU5] implementation of a problem task [SU8] observation of student's independent or team work		
	[MBMU2-KW04] Knows and deeply understands advanced research methods used in marine biotechnology and related sciences		Possesses knowledge on the advanced methods used in marine biotechnology, especially those applied during MSc laboratory		[SW1] oral statement/conversation/discussion [SW5] implementation of a problem task		
	[MBMU2-KK03] Is ready to apply the principles of occupational health and safety, especially in the laboratory and at sea; is responsible for their own and others' safety; can recognize hazards and take appropriate action		Has an ability to work in accordance with safety regulations, is responsible and can predict the potential hazard.		[SK1] oral statement/conversation/discussion [SK8] observation of student's independent or team work		
Subject contents	The course content varies and depends on the topic of master thesis						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		51.0%	50.0%
		51.0%	50.0%
Recommended reading	Basic literature	Books and articles published in scientific journals related to the topic of master thesis	
	Supplementary literature	Books and articles published in scientific journals related to the topic of master thesis	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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