

Subject card

Subject name and code	Marine Microbiology - laboratory, PG_00206161						
Field of study	Oceanography						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
Education level	Bachelor'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			Polish		
Semester of study	4	ECTS credits			2.0		
Learning profile	academic	Assessment form			credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Anna Toruńska-Sitarz				
	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		2.0		18.0	50
Subject objectives	To acquire the basic knowledge of the principles of work and safety in a microbiology laboratory; to introduce students to the basic techniques and methods of marine microbiology.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[OCEANL3-U03] is able to process, describe, and present results, and draw conclusions		Is able to process, describe and present the results of microbiological investigations and analyses and to make correct conclusion based on them.			[SU2] presentation/project/paper/report [SU3] text preparation/written work [SU4] test/exam - oral or written	
Subject contents	<p>1. Basic principles of microbiology laboratory work. Methods of microbial isolation and culture.</p> <p>2. Identification and quantitative analysis of microorganisms based on classical and modern methods.</p> <p>3. Analysis of interactions between marine microorganisms.</p>						
Prerequisites and co-requisites	none						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Test	51.0%	20.0%
	Report	51.0%	20.0%
	Entry tests	51.0%	60.0%
Recommended reading	Basic literature	Script prepared by the lecturer.	
	Supplementary literature	-	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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