

Subject card

Subject name and code	Marine Microbiology (Laboratory), PG_00169067						
Field of study	Oceanography						
Date of commencement of studies	October 2022		Academic year of realisation of subject			2024/2025	
Education level	undergraduate 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	3		Language of instruction			Polish	
Semester of study	6		ECTS credits			2.0	
Learning profile	academic		Assessment form				
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		5.0		15.0	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 develop, describe and present research results and formulate conclusions on this basis		Is able to process, describe and present the results of microbiological investigations and analyses and to make correct conclusion based on them.			[SU1] oral statement/conversation/discussion [SU3] text preparation/written work [SU4] test/exam - oral or written	
Subject contents	1. Basic principles of microbiology laboratory work. Methods of microbial isolation and culture. 2. Identification and quantitative analysis of microorganisms based on classical and modern methods. 3. Analysis of interactions between marine microorganisms.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
	Report		51.0%			20.0%	
	Practical assessment		51.0%			20.0%	
	Short tests		51.0%			60.0%	
Recommended reading	Basic literature		Script prepared by the lecturer.				
	Supplementary literature		-				
	eResources addresses		Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed							
Work placement	Not applicable						

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