

Subject card

Subject name and code	Marine zoology - laboratory exercises, PG_00118104						
Field of study	Oceanography						
Date of commencement of studies	October 2025		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	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Laboratory of Marine Biotechnology -> Department of Marine Biology and Biotechnology -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Agata Błaszczuk				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	20.0	0.0	0.0	20
	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	20		1.0		4.0	25
Subject objectives	Introduction to zoological maps. Learning how to read and interpret zoological maps. Understanding the impact of terrestrial pollution on the marine environment, through an activity at a water treatment plant.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	OCEANL3-U06	K_U06 - student is capable of defining basic relationships between components of the marine environment, combining knowledge from such fields as ecology, toxicology, chemistry [A1].	[SU3] text preparation/written work
	OCEANL3-U04	K_U04 - student can individually search for information in Polish and English-language specialist literature in the field of zoology, as well as in the Internet and databases including, among others, monitoring of marine ecosystems [A1, A2].	[SU3] text preparation/written work
	OCEANL3-W06	K_W06 - student knows and understands the basic principles of management of the marine environment and its resources, guided by the idea of sustainable development; knows threats and consequences of disturbing the balance of marine ecosystems, especially in coastal areas [A1, A2, A3].	[SW4] test/exam - oral or written [SW3] text preparation/written work
	[OCEANL3-K03] is ready to exercise caution and criticism in accepting information from scientific literature, the Internet and other media relating to natural sciences	K_K03 - student is ready to be circumspect and critical in accepting information from scientific literature, the Internet and other media, relating to marine environmental sciences [A1, A2].	[SK8] observation of student's independent or team work
Subject contents	1. Zoological maps. 2 Water and sewage management in pomorskie voivodship - field classes at the water treatment plant. 3. Current issues in marine environmental protection.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	presentation	51.0%	20.0%
	exam	51.0%	80.0%
Recommended reading	Basic literature	1. HELCOM, Baltic Sea Environment Proceedings. 2. strona internetowa: www.helcom.fi 3. bieżące raporty dotyczące stanu środowiska Morza Bałtyckiego 4. Bałtyk Południowy, Charakterystyka wybranych elementów środowiska, Instytut Meteorologii i Gospodarki Wodnej, Państwowy Instytut Badawczy, Warszawa, bieżące wydania.	
	Supplementary literature	-	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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