University of Gdańsk

Subject card

Subject name and code	Marine Sozology - laboratory, PG_00205285		
Field of study	Oceanography		
Date of commencement of studies	October 2027	Academic year of realisation of subject	2029/2030
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 Błaszczyk	
	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 sozological maps. Learning how to read and interpret sozological 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] is able to formulate and solve advanced problems related to the functioning of individual components of the marine environment, using knowledge from various fields and scientific disciplines	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].	[SU4] test/exam - oral or written
[OCEANL3-U04] is able to independently search for information in Polish and foreign specialist literature, as well as on the Internet and in databases	K_U04 - student can individually search for information in Polish and English-language specialist literature in the field of sozology, as well as in the Internet and databases including, among others, monitoring of marine ecosystems [A1, A2].	[SU4] test/exam - oral or written
[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].	[SK4] test/exam - oral or written
[OCEANL3-W06] has an advanced understanding of the principles of managing the marine environment and its resources, as well as the consequences of disrupting the balance of marine ecosystems	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 [SW2] presentation/project/paper/ report

Subject contents

1. Sozological 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
Test	51.0%	80.0%
Presentation	51.0%	20.0%

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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