

Subject card

Subject name and code	Marine environment protection, PG_00117851						
Field of study	Oceanography						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	postgraduate studies	Subject group			Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			2.0		
Learning profile	academic	Assessment form					
Conducting unit	Pracownia Transformacji Substancji Toksycznych -> Katedra Oceanografii Chemicznej i Geologii Morza -> Faculty of Oceanography and Geography						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Dominika Saniewska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	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		20.0	52
Subject objectives	To familiarize students with the main problems of marine environmental protection.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[OCEANMU2-W06] knows and identifies potential threats to the marine environment on a local and global scale resulting from strong anthropopressure, predicts their effects on various time and space scales		Know and understand the potential threats to the marine environment from human activities.			[SW4] test/exam - oral or written	
	[OCEANMU2-U01] is able to formulate and solve complex and unusual problems regarding the functioning of individual components of the marine environment using knowledge from various fields and scientific disciplines and propose solutions		Can formulate and solve problems related to marine environmental protection.			[SU4] test/exam - oral or written	
	[OCEANMU2-U02] can use scientific terminology fluently and appropriately in presenting and discussing problems in the field of oceanography		Can independently expand the knowledge of marine environmental protection.			[SU4] test/exam - oral or written	
	[OCEANMU2-W07] knows and understands legal regulations, principles of sustainable development of the marine environment, its protection and management of the marine environment and its resources		Know and understand the basic regulations and principles in the field of marine environmental protection.			[SW4] test/exam - oral or written	

Subject contents	<p>A.1 Regulations and international conventions relating to the protection of the marine environment (HELCOM, Agenda 21, MARPOL 73/78).A.2 Selected Polish legislation relating to the protection of the marine environmenta. maritime areas of the Republic of Poland,b. tasks of maritime administration in the field of protection of the marine environment,c. monitoring of the marine environment;A.3 Protection of the sea from pollution caused by ships:a. pollution from failure-free operation of ships,b. disasters of oil tankers and oil rigs,c. reduction of oil spills at sea,d. elimination of oil spills by physical and chemical methods (sorbents, dispersants, incineration).e. oil spills in the Baltic Sea,f. hazardous substances transported in bulk;A.4 Storage of hazardous substances and waste at sea as a means of disposal:a. chemical warfare agents (CWs) dumped in the Baltic Sea,b. nuclear arsenals in the seas and oceans,c. dredged material from the dredging of waterways.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Exam	51.0%	100.0%
Recommended reading	Basic literature	<p>Bolałek J., 2016. Ochrona środowiska morskiego - od teorii do praktyki. Wyd. Uniw. Gdańskiego, GdańskKorzeniewski K., 1998. Ochrona środowiska morskiego. Wyd. Uniw. Gdańskiego, GdańskUstawa z dnia 21 marca 1991 r o obszarach morskich RP (Dz.U. z 1991 r. Nr 32, poz. 131 z późniejszymi zmianami)Ustawa z dnia 16 marca 1995 r. o zapobieganiu zanieczyszczeniu przez statki (Dz.U. Nr 47, poz. 243)Konwencja MARPOL 73/78Konwencja o ochronie środowiska morskiego obszaru Morza Bałtyckiego z 9.04.1992 r.Informacje z dostępnych źródeł nt ostatnich bieżących katastrof ekologicznych na morzu</p>	
	Supplementary literature	Graczyk T., Piskorski Ł., Siemianowski R., 2001. Ochrona środowiska morskiego przez zanieczyszczeniami z obiektów oceanotechnicznych.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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