University of Gdańsk

Subject card

Subject name and code	Is the Baltic Sea the most polluted sea in the world?, PG_00140219		
Field of study	Archaeology		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
Education level	undergraduate studies	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 -> Rektor		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. Magdalena Bełdowska	
	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	18.0	50

Subject objectives

Studying the current problems of pollution in the Baltic Sea, with a special focus on remobilization from land and sediments and the impact of climate change on the cycle of pollutants.

Learning outcomes

Course outcome	Subject outcome	Method of verification
	K_W02 - knows and understands the influence of natural and anthropogenic conditions on pollution levels in the marine environment; K_W05 - knows and understands short-term and long-term changes in the concentration of chemical pollutants in the marine environment	[SW2] presentation/project/paper/ report [SW5] implementation of a problem task

Subject contents

Overview of the main problems of chemical pollution in the Baltic SeaRemobilization of pollutants from marine sediments and from landContemporary sources of pollution threatening the Baltic SeaImpact of climate change on the circulation of pollutantsTransport of chemical pollutants

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
oral presentation	51.0%	100.0%

Recommended reading	Basic literature	Piotr Szefer, Metals, metalloids, and radionuclides in the Baltic Sea ecosystem, 2002 Elsevier Alina Kabata-Pendias, Arun B. Mukherjee. Trace Elements from Soil to Human, 2007 Springer Chemical Munitions Dumped in the Baltic Sea, HELCOM Report, 2013 Beach litter, HELCOM report, 2016 Landclimate interactions, report 2019
	Supplementary literature	Final review of scientific information on cadmium, UNEP 2010 Final review of scientific information on lead, UNEP 2010 Global mercury assessment, UNEP 2018
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Chemical pollution in the Baltic SeaThe role of marine plants in estuarine cleanup;Chemical warfare substances in the BalticThe problem of corroding wrecks in the sea	
Work placement	Not applicable	

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