University of Gdańsk

Subject card

Subject name and code	Coastal Zone Protection - lecture, PG_00205353						
Field of study	Oceanography						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
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	6		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Geophysics -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Agnieszka Kubowicz				
	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	Familiarization with the terminology of the coastal zone and methods of coastal protection.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OCEANL3-U01] is able to use the current scientific terminology in the field of oceanography in various forms of expression	is able to use current scientific terminology in presenting and discussing problems in the field of coastal protection	[SU4] test/exam - oral or written
[OCEANL3-U12] is able to systematically expand and update oceanographic knowledge and enhance professional qualifications	is able to systematically expand and update knowledge in the field of coastal protection	[SU4] test/exam - oral or written
[OCEANL3-W01] has an advanced knowledge and understanding of the terminology used in oceanography and related exact and natural sciences (in Polish and a selected foreign language)	to an advanced degree, knows and understands the terminology relevant to coastal protection	[SW4] test/exam - oral or written
[OCEANL3-W02] has a broad knowledge and understanding of physical, biological, chemical, and geological processes and phenomena occurring in aquatic environments, with particular emphasis on the marine environment	Knows and understands in broad terms the basic physical and geological processes and phenomena occurring in the coastal zone	[SW4] test/exam - oral or written
[OCEANL3-W03] has an advanced understanding of the relationships between living and non-living components of aquatic environments, and is aware of the complex nature, intricacy, and natural variability of these environments	knows and understands to an advanced degree the relationship between living and non-living components of the coastal zone, is aware of the complex nature of the marine environment	[SW4] 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	is able to individually search for information in the field of coastal protection issues in the Polish and English-language specialized literature, as well as in archival and electronic databases, performs a critical analysis and synthesis of information	[SU4] 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	knows and understands to an advanced degree the potential threats to the aquatic environment from strong anthropopression, especially in coastal regions of the seas and oceans	[SW4] test/exam - oral or written

Subject contents

Coastal classification. Dynamics of the coastal zone. Methods of coastal protection. Anthropopression of coastal areas. Integrated management of the coastal zone. The state of coasts in Poland and methods of their protection. Protection of coasts in practice (case study).

Prerequisites and co-requisites

Assessment methods and criteria

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

Recommended reading	Basic literature	Basinski T., Pruszak Z., Tarnowska M., Zeidler R., 1993, Protection of seashores. Gdansk, Wyd. IBW PAN Dubrawski R., Zawadzka - Kahlau E., 2006, The future of the protection of Polish seashores. Zaklad Wydawnictw Naukowych Instytutu Morskiego w Gdańsku. Zawadzka - Kahlau E., 1999, Tendencies of development of the Polish shores of the southern Baltic Sea. Gdańsk Scientific Society, Gdańsk.
	Supplementary literature	Act of March 21, 1991 on maritime areas of the Republic of Poland and maritime administration. Dz.U. 1991.No. 32, item 131.
	eResources addresses	
Example issues/ example questions/ tasks being completed	List the geodynamic types of Polish coastal cliffs Explain what the use of complex coastal protection systems consists of	
Work placement	Not applicable	

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