University of Gdańsk

Subject card

Subject name and code	Seacoast Protection - lecture, PG_00201155						
Field of study	Marine Hydrography						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2029/2030			
Education level	Bachelor's studies		Subject group	Obligatory subject group in the field of study			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	4		Language of instruction	Polish			
Semester of study	7		ECTS credits	1.0			
Learning profile	practical		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	20.0	0.0	0.0	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		9.0	30
Subject objectives	Familiarization with the terminology of the coastal zone and methods of coastal protection.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[HML3-W02] knows and understands, at an advanced level, selected phenomena and processes occurring in the hydrosphere, atmosphere, lithosphere and biosphere, their interconnections and relations, as well as practical applications of this knowledge in professional activities related to the field of study	knows and understands at an advanced level morphodynamic and hydrodynamic processes occurring in the coastal zone	[SW4] test/exam - oral or written
[HML3-U03] is able to recognise natural (including geological) and anthropogenic objects and link them to the processes leading to their formation	is able to identify forms of shore protection and indicate their advantages and disadvantages	[SU4] test/exam - oral or written
[HML3-U14] is able to use the applicable terminology in presenting and discussing problems related to the field of study	is able to use current terminology in presenting and discussing problems in coastal protection	[SU4] test/exam - oral or written
[HML3-W13] knows and understands global environmental problems resulting from the development of civilisation, in particular strong anthropopressure in the coastal regions of seas and oceans	knows and understands the anthropogenic transformation of the natural environment and assesses its effects	[SW4] test/exam - oral or written
[HML3-W14] knows and understands key legal regulations regarding the sustainable development of the marine environment and nature protection	knows and understands the basic legal regulations conditioning the activity of coastal protection	[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.
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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