

Subject card

Subject name and code	Seacoast protection, PG_00131535						
Field of study	Marine Hydrography						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2027/2028		
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						
	Additional information: Lecture with multimedia presentation						
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-W13] 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-W02] 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 the basic morphodynamic and hydrodynamic processes occurring in the coastal zone	[SW4] test/exam - oral or written
	[HML3-W14] basic 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
	[HML3-U03] 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] 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
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., Pruszek 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. Zakład 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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