

Subject card

Subject name and code	Geology of marine sediments - lecture, PG_00091145						
Field of study	Geology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
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	2		Language of instruction		Polish		
Semester of study	3		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 Maria Rucińska				
	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		12.0		15.0	57
Subject objectives	To know and understand the conditions for the origin and transport of marine sediments and their distribution patterns in the seas and oceans.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[GEOLL3_W04] knows and understands phenomena and processes occurring in the past and today in the interior of the Earth and on its surface, defines the methods of how to study them		Knows and understands past and present phenomena and processes in the marine environment, with particular emphasis on the coastal zone of the sea, and defines the methods of their study		[SW4] test/exam - oral or written		
	[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences		Knows and understands terminology specific to marine sediment geology		[SW4] test/exam - oral or written		
Subject contents	Marine sediment analysis methods Sources of sedimentary material input to seas and oceans Lithodynamics of the marine coastal zone Sediment transport in the coastal zone of the seas and oceans Sediment balance						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	written test with open questions		51.0%		100.0%		

Recommended reading	Basic literature	Einsele G., 2000, Sedimentary Basins, Evolution, Facies, and Sediment Budget, Springer Davidson-Arnott R., 2010, Introduction to Coastal Processes and Geomorphology, Cambridge University Press Pruszek Z., 2014, Brzeg morski : procesy fizyczne obszaru płytko- i nadwodnego. Wydawnictwo IBW PAN, Gdańsk
	Supplementary literature	Bird E., 2008, Coastal Geomorphology, Wiley Nichols G., Williams E., Paola C., 2008. Sedimentary Processes, environments and basins. Blackwell Publishing Huneke H, Mulder T., 2011. Deep-Sea Sediments. Elsevier Science
	eResources addresses	
	Example issues/ example questions/ tasks being completed	Sources of sedimentary material input to seas and oceans Lithodynamics of the marine coastal zone
Work placement	Not applicable	

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