

Subject card

Subject name and code	The Basics of Paleontology - lecture, PG_00205322						
Field of study	Oceanography						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
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	2	Language of instruction			Polish		
Semester of study	4	ECTS credits			2.0		
Learning profile	academic	Assessment form			exam		
Conducting unit	Laboratory of Marine Geology -> Department of Chemical Oceanography and Marine Geology -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Małgorzata Witak				
	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						
	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	30		2.0		18.0	50
Subject objectives	Understanding of the mechanisms of evolution of marine invertebrates. Ability to relate fossils to rock age, environment and lifestyle. Knowledge of the importance of fossils in the geological sciences						

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 the applicable scientific terminology in the field of paleontology	[SU4] test/exam - oral or written
	[OCEANL3-U06] is able to formulate and solve advanced problems related to the functioning of individual components of the marine environment, using knowledge from various fields and scientific disciplines	is able to define the basic relationships concerning the functioning of the different components of the marine palaeoenvironment and the fossils associated with it	[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 paleontological knowledge and improve professional qualifications	[SU1] oral statement/conversation/discussion
	[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)	knows and understands, at an advanced level, the terminology used in paleontology	[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 the basic geological processes and phenomena taking place in the aquatic environment, with particular reference to the marine palaeoenvironment, and explains the mechanism of evolution	[SW4] test/exam - oral or written
[OCEANL3-U03] is able to process, describe, and present results, and draw conclusions	can identify selected groups of marine invertebrates	[SU4] test/exam - oral or written	
Subject contents	Basic concepts in palaeontology. Evolution of the main groups of marine invertebrates. Extinctology		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test	51.0%	100.0%
Recommended reading	Basic literature	Lehmann U., Killmer G., 1991. Bezkręgowce kopalne, Wyd. Geologiczne, Warszawa	
		Witak M., 2015. Elementy paleontologii. W Witak M. et al Podstawy paleontologii. Wyd. UG, Gdańsk	
	Supplementary literature	Radwańska U., 1999. Przewodnik do ćwiczeń z paleontologii, Wyd. Naukowe INWIT, Warszawa	
		Dzik J., 1997. Dzieje życia na Ziemi, Wyd. Naukowe PWN, Warszawa Raup D.M., Stanley S.M., 1984. Podstawy paleontologii, Wyd. Naukowe PWN, Warszawa Stanley S.M., 2002. Historia Ziemi, Wyd. Naukowe PWN, Warszawa	
	eResources addresses		
Example issues/ example questions/ tasks being completed	1. List the groups of marine invertebrates of stratigraphic importance in the Mesozoic 2. Give an example of a group of marine invertebrates of rock-forming and palaeoecological importance		
Work placement	Not applicable		

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