

Subject card

Subject name and code	The basics of paleontology - lecture, PG_00118140						
Field of study	Oceanography						
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 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						
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		0.0		0.0	30
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-U03		can identify selected groups of marine invertebrates		[SU4] test/exam - oral or written		
	OCEANL3-W01		knows and understands, at an advanced level, the terminology used in paleontology		[SW4] test/exam - oral or written		
	OCEANL3-U12		is able to systematically expand and update paleontological knowledge and improve professional qualifications		[SU1] oral statement/conversation/discussion		
	OCEANL3-U01		is able to use the applicable scientific terminology in the field of paleontology		[SU4] test/exam - oral or written		
	OCEANL3-W02		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-U06		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		

Subject contents	Basic concepts in palaeontology. Evolution of the main groups of marine invertebrates. Ecstinctology		
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 INVIT, 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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