

Subject card

Subject name and code	The basics of paleontology - laboratory exercises, PG_00157813						
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		
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		credit		
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	0.0	0.0	30.0	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		15.0		15.0	60
Subject objectives	Ability to macroscopically identify faunal fossils.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	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		[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written		
	OCEANL3-U12		is able to systematically extend and update his/her palaeontological knowledge and improve professional qualifications		[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written		
	OCEANL3-U03		can identify selected types of marine invertebrates		[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written		
	OCEANL3-W02		knows and understands the basic physical, biological, chemical and geological processes and phenomena occurring in the aquatic environment, with particular reference to the marine palaeoenvironment, and explains the mechanism of evolution of selected groups of marine invertebrates		[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion		
	OCEANL3-U01		is able to use current scientific terminology in a variety of forms of expression in the field of paleontology		[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written		
	OCEANL3-W01		has an advanced knowledge and understanding of the terminology used in palaeontology		[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion		

Subject contents	Identification of the main representatives of marine invertebrate fossils (sponges, brachiopods, trilobites, gastropods, bivalves, cephalopods, lilyfish, sea urchins, graptolites)		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Colloquium II	51.0%	50.0%
	Colloquium I	51.0%	50.0%
Recommended reading	Basic literature	Radwańska U., 1999. Przewodnik do ćwiczeń z paleontologii, Wyd. Naukowe INVIT, Warszawa Witak M., 2015. Elementy paleontologii. [w:] Witak M. et al 2015. Podstawy paleontologii. Wyd. UG, Gdańsk	
	Supplementary literature	Lehmann U., Killmer G., 1991. Bezkręgowce kopalne, Wyd. Geologiczne, 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. Describe the developmental trends of graptolites 2. Identify the major guide fossils in the Mesozoic 3. Identify fossils of rock-forming and palaeoecological importance in the late Palaeozoic	
Work placement	Not applicable		

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