

Subject card

Subject name and code	Paleontology - exercises, PG_00091104						
Field of study	Geology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
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	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		3.0		
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		dr hab. Małgorzata Witak				
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		30.0		30.0	90
Subject objectives	Ability to macroscopically identify fossils of invertebrate fauna and Carboniferous flora						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[GEOLL3_U02] has the skill of analytical and synthetic way of reasoning leading to correct inference based on the results obtained or the facts presented		has the ability to reason analytically and synthetically in the field of paleontology leading to correct inferences about the evolution of animals and plants		[SU4] test/exam - oral or written		
	[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences		knows and understands the terminology specific to palaeontology		[SW4] test/exam - oral or written		
	[GEOLL3_W03] knows and identifies paleontological, mineralogical, petrographic and structural objects using appropriate methods		knows and identifies palaeontological objects using appropriate macroscopic methods		[SW4] test/exam - oral or written		
	[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 the mechanisms of plant and animal evolution in the Phanerozoic		[SW4] test/exam - oral or written		
	[GEOLL3_U06] is able to identify geological objects and combine them with geological processes and anthropogenic environmental transformations		is able to identify palaeontological objects and link them to their habitat		[SU4] test/exam - oral or written		
Subject contents	Process of fossilisation, fossil preservation states, fossil organic assemblages. Identification of the main representatives of marine invertebrate fossils (sponges, corals, brachiopods, trilobites, gastropods, bivalves, cephalopods, lilyfish, sea urchins, graptolites) and Carboniferous flora.						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	colloquium II - written test or oral colloquium	51.0%	50.0%
	colloquium I - written test or oral colloquium	51.0%	50.0%
Recommended reading	Basic literature	Radwańska U., 2007. Podstawy paleontologii, Wyd. Uniwersytetu Warszawskiego, Warszawa	
	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 McAlester A.L., 1979. Historia życia. Biblioteka Nauk o Ziemi, Wyd. Naukowe PWN, Warszawa	
	eResources addresses		
	Example issues/ example questions/ tasks being completed	1 Explain the phylogenetic development of ammonites 2. Discuss the importance of trilobites to the life sciences 3. Characterise the main groups of land plants in the Silurian, Devonian and Carboniferous	
Work placement	Not applicable		

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