

Subject card

Subject name and code	Geology, PG_00050797						
Field of study	Environmental Protection						
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 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	3		ECTS credits			2.0	
Learning profile	academic		Assessment form				
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Karol Tylmann				
	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		5.0		15.0	50
Subject objectives	Providing knowledge on the structure of the Earth's interior and crust and the course of geological processes.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OŚL3_W01] Discusses the basic concepts of mathematics, physics, chemistry and biology. Describes physical, chemical and biological phenomena occurring in nature as well as geological, geomorphological and climatic conditions of the functioning of nature.	Describes physical phenomena occurring in nature and their geological conditions; characterizes relationships and dependencies in natural and exact sciences using knowledge from the field of mathematics, physics, chemistry and biology in the description of basic geological concepts and principles; distinguishes basic mathematical methods and applies them in the description and interpretation of geological phenomena and processes.	[SW4] test/exam - oral or written
	[OŚL3_U02] Plans, selects appropriate research and measuring equipment and devices, performs physicochemical measurements and experiments; analyses the results and draws conclusions based on them.	Interprets geological processes based on presented facts.	[SU4] test/exam - oral or written
	[OŚL3_U10] Participates in the analyses and evaluation of alternative solutions to environmental problems and selects methods and instruments to rationally resolve them.	Interprets geological processes based on presented facts.	[SU4] test/exam - oral or written
	[OŚL3_K05] Identifies the level of her/his knowledge and skills, demonstrates the need to update knowledge about the environment and its protection, demonstrates the need for continuous professional training and personal development.	Identifies the level of their knowledge and skills and the need for continuous professional education and updating geological knowledge.	[SK1] oral statement/conversation/discussion
	[OŚL3_U01] Performs tasks under supervision and independently in the field of analysis of the natural environment and the functioning of natural and man-made natural systems.	Evaluates the functioning of natural and man-altered natural systems and determines the impact of anthropopressure on specific geological processes; assesses the resources and regenerative possibilities of inanimate nature.	[SU4] test/exam - oral or written
Subject contents	Construction of the Earth's interior; plutonism, volcanism, metamorphism, diastrophism; aeration processes; erosion; sedimentation; water circulation in rocks.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	In-lecture discussion	51.0%	10.0%
	Written exam	51.0%	90.0%
Recommended reading	Basic literature	Książkiewicz M. 1979, "Dynamic geology". Wyd. Geol. Warszawa. Mizerski W. 2003, "Dynamic geology for geographers". PWN, Warszawa.	
	Supplementary literature	Thompson G.R., Turk J. 1998, "Introduction to physical geology". Saunders College Pub.	
	eResources addresses	Adresy na platformie eNauczanie:	
	Example issues/ example questions/ tasks being completed	Discuss the structure of the Earth's interior.Recognize the type of river shown in the photograph.What geosphere is between the earth's core and the earth's crust?Explain the concept of deflation.	
Work placement	Not applicable		

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