University of Gdańsk

Subject card

Subject name and code	Geology - lecture, PG_00119853						
Field of study	Geography						
Date of commencement of studies	October 2024		Academic year of realisation of subject	2024/2025			
Education level	undergraduate 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	1		Language of instruction	Polish			
Semester of study	2		ECTS credits	2.0			
Learning profile	academic		Assessment form				
Conducting unit	Pracownia Rekonstrukcji Geomorfologicznych -> Katedra Geomorfologii i Geologii Czwartorzędu -> Faculty of Oceanography and Geography						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Damian Moskalewicz					
	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						

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	8.0	22.0	60
Subject objectives	Lecture: Understanding the mechanisms, causes and effects of the main geological processes taking place now and in the past deep and on the surface of the Earth's crust. Getting to know the history of the Earth - geological events, the course of geological processes over time, the evolution of the organic world.				

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GEOGRL3-W07] on advanced level methods of aquiring data on the natural and anthropogenic environment, including operation of specialized equipment	K_W07 knows and understands methods of obtaining data about the geological environment (program content: A.5,)	[SW4] test/exam - oral or written
[GEOGRL3-W05] Has advanced knowledge of the environment Earth's geographic environment, understood as a unified system of interrelated and interacting each other's components; its diversity, functioning and dynamics of change, including the mutual interaction of environmental components in the area of South Baltic Coastal and Lake Districts	K_W05 has knowledge of geological processes understood as a uniform system of interconnected and interacting components and the dynamics of changes taking place, (program content: A.1-6)	[SW4] test/exam - oral or written
[GEOGRL3-K02] bear full responsibility for the actions taken actions and adhere to the principles of professional ethics and principles of intellectual honesty, is aware of the importance of a professional approach in professional life professional life	K_W02 knows and understands basic geological concepts and their relationship to other natural sciences (program content: A.1,)	[SK4] test/exam - oral or written
[GEOGRL3-U05] find and select the necessary information from professional literature and other sources, including electronic sources	K_U05 is able to find and select necessary information from professional literature and other sources, including electronic sources (program content: A.2-6,)	[SU4] test/exam - oral or written
[GEOGRL3-U01] identify and analyze basic natural and socio-economic processes and phenomena and analyze their causes and course	K_U01 is able to identify and analyze basic geological processes, the effects of these processes and analyze their causes and course (program content: A2-6)	[SU4] test/exam - oral or written
[GEOGRL3-W02] key concepts in geography and theories on spatial variation and distribution of processes and phenomena on the Earth's surface	K_W02 knows and understands basic geological concepts and their relationship to other natural sciences (program content: A.1,)	[SW4] test/exam - oral or written

Subject contents

A.1. The scope of geology and its relations to other disciplines of natural sciencesA.2. The structure of the Earth against the background of the Solar SystemA.3. Geotectonics, structural geology, magmatism, metamorphismA.4. Basics of sedimentology, stratigraphy and the course and effects of geological processes in various sedimentary environmentsA.5. Methods of examining the age of rocks and searching for raw material depositsA.6. Geological history of the Earth

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
exam	50.0%	100.0%

Recommended reading

Basic literature

Stanley, M.S., 2002. Historia Ziemi, PWN.

Mizerski, W., 2015. Geologia Kontynentów, PWN.

Mizerski, W. 2017. Geologia Historyczna, PWN.

Mizerski, W. 2018. Geologia Dynamiczna, PWN.

Migoń, P., 2006. Geomorfologia, PWN.

	Supplementary literature	Stupnicka, E., 2007. Geologia regionalna Polski, WUW. Manecki, A., Muszyński, M., 2008. Przewodnik do petrografii, AGH. Anderson, D.L., 2012. New Theory of the Earth, Cambridge University Press Levin, H.L., King Jr D.T., 2016. The Earth Through Time, Wiley Nichols, G., 2009. Sedimentology and Stratigraphy, Wiley Ridley, J., 2013. Ore Deposit Geology, Cambridge University Press Lunine, J.I., 2013. Evolution of Habitable World, Cambridge University Press Sen, G. 2014. Petrology. Principles and Practice, Springer Scarselli, N., Adam, J., Chiarella, D., 2020. Regional Geology and Tectonics (2 volumes), Elsevier
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Describe the most important geological events during the period...Explain what a specific geological process is	
Work placement	Not applicable	

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