University of Gdańsk

Subject card

Subject name and code	Geology - lecture, PG_00199053		
Field of study	Geography		
Date of commencement of studies	October 2026	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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	2.0
Learning profile	academic	Assessment form	exam
Conducting unit	Laboratory of Geomorphological Reconstructions -> Department of Geomorphology and Quaternary Geology -> Faculty of Oceanography and Geography -> Rector		
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

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	2.0	18.0	50

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-W06] knows advanced methods of acquiring, processing, and compiling geographic environmental data, as well as methods of analyzing and interpreting such data	Understands basic methods applied in Earth Sciences, especially in geology; knows basic data sources.	[SW4] test/exam - oral or written
[GEOGRL3-W02] knows and understands key concepts and theories in geography, as well as advanced processes and phenomena related to spatial diversity and the distribution of processes and phenomena on the Earth's surface at various spatial scales, particularly in Poland	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.	[SW4] test/exam - oral or written
[GEOGRL3-K02] is prepared to 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	Passes a rigorous written exam with open-ended, descriptive questions in an ethical manner.	[SK4] 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	51.0%	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	

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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