

**Subject card**

<b>Subject name and code</b>	Geology - lecture, PG_00199053						
<b>Field of study</b>	Geography						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>				2026/2027	
<b>Education level</b>	Bachelor's studies		<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to scientific research in the field of study	
<b>Mode of study</b>	full-time studies		<b>Mode of delivery</b>			at the university	
<b>Year of study</b>	1		<b>Language of instruction</b>			Polish	
<b>Semester of study</b>	2		<b>ECTS credits</b>			2.0	
<b>Learning profile</b>	academic		<b>Assessment form</b>			exam	
<b>Conducting unit</b>	Laboratory of Geomorphological Reconstructions -> Department of Geomorphology and Quaternary Geology -> Faculty of Oceanography and Geography -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	Subject supervisor		dr Damian Moskalewicz				
	Teachers						
<b>Lesson types</b>	<b>Lesson type</b>	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						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	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
<b>Subject objectives</b>	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.						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>		<b>Method of verification</b>		
	[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 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		Passes a rigorous written exam with open-ended, descriptive questions in an ethical manner.		[SK4] test/exam - oral or written		

Subject contents	<p>A.1. The scope of geology and its relations to other disciplines of natural sciences  A.2. The structure of the Earth against the background of the Solar System  A.3. Geotectonics, structural geology, magmatism, metamorphism  A.4. Basics of sedimentology, stratigraphy and the course and effects of geological processes in various sedimentary environments  A.5. Methods of examining the age of rocks and searching for raw material deposits  A.6. Geological history of the Earth</p>		
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	<p>Stanley, M.S., 2002. Historia Ziemi, PWN.</p> <p>Mizerski, W., 2015. Geologia Kontynentów, PWN.</p> <p>Mizerski, W. 2017. Geologia Historyczna, PWN.</p> <p>Mizerski, W. 2018. Geologia Dynamiczna, PWN.</p> <p>Migoń, P., 2006. Geomorfologia, PWN.</p>	
	Supplementary literature	<p>Stupnicka, E., 2007. Geologia regionalna Polski, WUW.</p> <p>Maneck, A., Muszyński, M., 2008. Przewodnik do petrografii, AGH.</p> <p>Anderson, D.L., 2012. New Theory of the Earth, Cambridge University Press</p> <p>Levin, H.L., King Jr D.T., 2016. The Earth Through Time, Wiley</p> <p>Nichols, G., 2009. Sedimentology and Stratigraphy, Wiley</p> <p>Ridley, J., 2013. Ore Deposit Geology, Cambridge University Press</p> <p>Lunine, J.I., 2013. Evolution of Habitable World, Cambridge University Press</p> <p>Sen, G. 2014. Petrology. Principles and Practice, Springer</p> <p>Scarselli, N., Adam, J., Chiarella, D., 2020. Regional Geology and Tectonics (2 volumes), Elsevier</p>	
Example issues/ example questions/ tasks being completed	<p>eResources addresses</p> <p>Describe the most important geological events during the period...Explain what a specific geological process is</p>		
Work placement	Not applicable		

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