University of Gdańsk

Subject card

Subject name and code	Geology - laboratory, PG_00119854						
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	0.0	0.0	20.0	0.0	0.0	20
	E-learning hours included: 0.0						
	Additional information: lab work (recognition and description of geological samples)						
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	20		6.0	30.0	56	
Subject objectives	Exercises: Acquiring the ability to macroscopically recognize minerals and rocks, learning the criteria of mineralogical and petrographic classification.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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 [SW1] oral statement/ conversation/discussion
[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, B. 1)	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written [SK8] observation of student's independent or team work
[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)	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
[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, B.1-4)	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[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, B.2-4)	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[GEOGRL3-W03] in an advanced degree the processes and phenomena occurring in the natural environment of the Earth, with particular emphasis on the processes and phenomena occurring on the territory of Poland, especially the Coastal and South Baltic Lake Districts	K_W03 knows and understands geological processes occurring deep and on the surface of the Earth's crust (program content: A. 1-6)	[SW1] oral statement/ conversation/discussion [SW3] text preparation/written work
[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, B. 1)	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion

Subject contents

B.1. Basic concepts of mineralogyB.2. Overview of the most important minerals and their identification based on macroscopic featuresB.3. Basics of petrographic classificationsB.4. Overview of the main rock types and their characteristics (mineral composition, rock structures and textures)

Prerequisites and co-requisites

Assessment methods and criteria

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

Recommended reading

Basic literature

Labus M., Krzeszowska E., 2011. Praktyczne podstawy geologii ogólnej i paleontologii, Wyd. PŚ.

Czubla P., Mizerski W., Świerczewska-Gładysz, 2005. Przewodnik do ćwiczeń z geologii, PWN.

Chodyniecka, L., Kapuściński, T., 2001. Podstawowe metody rozpoznawania minerałów i skał, Wyd. PŚ.

	Supplementary literature	Manecki, A., Muszyński, M., 2008. Przewodnik do petrografii, AGH. Żaba, J., 2009. Ilustrowana encyklopedia skał i minerałów, Videograf II
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Describe and identify this rock	
Work placement	Not applicable	

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