

Subject card

Subject name and code	Dynamic geology - laboratory classes, PG_00193055						
Field of study	Geology						
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	1	ECTS credits				4.0	
Learning profile	academic	Assessment form				credit	
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Michalina Dzwoniarek-Konieczna				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	45.0	0.0	0.0	45
	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	45		5.0		50.0	100
Subject objectives	Macroscopic ability to identify minerals and rocks, understanding the mineralogical and petrographic classification criteria.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[GEOLL3_W03] knows and identifies paleontological, mineralogical, petrographic and structural objects using appropriate methods		knows and identifies minerals, rocks and structural objects using appropriate methods			[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion	
	[GEOLL3_U06] is able to identify geological objects and combine them with geological processes and anthropogenic environmental transformations		can identify minerals, rocks and structural objects and determine their genesis			[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written [SU6] demonstration of practical skills	
	[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences		knows and understands the terminology specific to dynamic geology			[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion	
Subject contents	Rock-forming minerals of magmatic, sedimentary and metamorphic rocks Genesis, petrographic classification and textures of magmatic, sedimentary and metamorphic rocks						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
	written/oral test I		51.0%			45.0%	
	continuous assessment		51.0%			10.0%	
	written/oral test II		51.0%			45.0%	

Recommended reading	Basic literature	Czubla P., Mizerski W., Świerczewska-Gładysz E., 2018. Przewodnik do ćwiczeń z geologii, Wyd. Naukowe PWN, Warszawa Jaroszewski W. (red.), 1986. Przewodnik do ćwiczeń z geologii dynamicznej, Wyd. Geologiczne, Warszawa Książkiewicz M., 1979. Geologia dynamiczna, Wyd. Geologiczne, Warszawa Mizerski W., 2018. Geologia dynamiczna, Wyd. Naukowe PWN, Warszawa Witak M., Pruszkowska-Caceres M., Szymczak E., 2015. Podstawy geologii, Wyd. Uniwersytetu Gdańskiego, Gdańsk
	Supplementary literature	Allen P.A., 2000. Procesy kształtujące powierzchnię Ziemi, Wyd. Naukowe PWN, Warszawa Foster R.J., 1992. Physical geology, Wyd. Columbus. Toronto-London-Sydney. Jaroszewski W. (red.), 1985. Słownik geologii dynamicznej, Wyd. Geologiczne, Warszawa Klein C., Philpotts A.R., 2012. Earth Materials, Cambridge University Press Skoczylas J., 1996. Budowa Ziemi. Wielka Encyklopedia Geografii Świata t. II, Wyd. Kurpisz, Poznań Witt. A., Borówka K.R., 1997. Rzeźba powierzchni Ziemi. Wielka Encyklopedia Geografii Świata t. II, Wyd. Kurpisz, Poznań Foster R.J., 1992. Physical geology, Wyd. Columbus. Toronto-London-Sydney. Graniczny M., Mizerski W., 2009. Katastrofy przyrodnicze, Wyd. Naukowe PWN, Warszawa
	eResources addresses	
Example issues/ example questions/ tasks being completed	Rock-forming minerals of magmatic rocks Textures of magmatic rocks Rock-forming minerals of sedimentary rocks Textures of sedimentary rocks Rock-forming minerals of metamorphic rocks Textures of metamorphic rocks	
Work placement	Not applicable	

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