

## Subject card

Subject name and code	Dynamic geology - exercises, PG_00054156						
Field of study	Geology						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	Bachelor's studies	Subject group			Obligatory subject group 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 Agnieszka Marcinowska				
	Teachers		dr Agnieszka Marcinowska				
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	30.0		30.0	105	
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_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 [SW2] presentation/project/paper/report [SW3] text preparation/written work [SW5] implementation of a problem task		
	[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 [SU2] presentation/project/paper/report [SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task [SU6] demonstration of practical skills [SU8] observation of student's independent or team work		
	[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 [SW2] presentation/project/paper/report [SW3] text preparation/written work [SW5] implementation of a problem task		

Subject contents	Rock-forming minerals of magmatic rocks Petrographic classification, structures and textures of magmatic rocks, their genesis Rock-forming minerals of sedimentary rocks Petrographic classification, structures and textures of sedimentary rocks, their genesis Rock-forming minerals of metamorphic rocks Petrographic classification, structures and textures of metamorphic rocks, their genesis		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written/oral test	51.0%	30.0%
	lecture activity	51.0%	10.0%
	written/oral test	51.0%	30.0%
	written/oral test	51.0%	30.0%
Recommended reading	Basic literature	Czubla P., Mizerski W., Świerczewska-Gładysz E., 2005. 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., 2010. 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. Graniczny M., Mizerski W., 2009. Katastrofy przyrodnicze, Wyd. Naukowe PWN, Warszawa 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 Structures and textures of magmatic rocks Rock-forming minerals of sedimentary rocks Structures and textures of sedimentary rocks Rock-forming minerals of metamorphic rocks Structures and textures of metamorphic rocks		
Work placement	Not applicable		

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