

Subject card

Subject name and code	Dynamic geology - exercises, PG_00054156						
Field of study	Geologia dynamiczna - ćwiczenia (Ćw. laboratoryjne)						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
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 Michalina Dzwoniarek-Konieczna				
	Teachers		dr Michalina Dzwoniarek-Konieczna				
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/egzamin - ustny lub pisemny [SW1] wypowiedź ustna/rozmowa/ dyskusja		
	[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] wypowiedź ustna/rozmowa/ dyskusja [SU4] test/egzamin - ustny lub pisemny [SU6] demonstracja umiejętności praktycznych [SU8] obserwacja samodzielnej lub zespołowej pracy studenta		
	[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/egzamin - ustny lub pisemny [SW1] wypowiedź ustna/rozmowa/ dyskusja		
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
	demonstration of practical skills	51.0%	45.0%
	oral statement/conversation/discussion	51.0%	5.0%
	written/oral test	51.0%	45.0%
	observation of a student's independent or team work	51.0%	5.0%
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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