

Subject card

Subject name and code	Geology - laboratory exercise, PG_00054181						
Field of study	Geologia ogólna - ćwiczenia laboratoryjne (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 Subject group related to practical vocational preparation		
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		2.0		
Learning profile	practical		Assessment form		credit		
Conducting unit	Laboratory of Marine Geology -> Department of Chemical Oceanography and Marine Geology -> Faculty of Oceanography and Geography -> Rector						
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	30.0	0.0	0.0	30
	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	30		15.0		15.0	60
Subject objectives	Ability to macroscopic identify minerals and rocks.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[HML3-W01] selected facts, phenomena and processes, as well as methods and theories concerning them, explaining the complex relationships between them, constituting basic general knowledge in the field of scientific disciplines forming the theoretical foundations specific to the field of study	knows the relationship between basic geological processes and laws of physics	[SW4] test/egzamin - ustny lub pisemny
	[HML3-W02] selected phenomena and processes occurring in the hydrosphere, atmosphere, lithosphere and biosphere, their interconnections and relations, as well as practical applications of this knowledge in professional activities related to the field of study	knows of the geological processes, their causes and effects	[SW4] test/egzamin - ustny lub pisemny
	[HML3-U14] use the applicable terminology in presenting and discussing problems related to the field of study	can correctly use of the geological terminology to the mineral and rock description	[SU4] test/egzamin - ustny lub pisemny [SU8] obserwacja samodzielnej lub zespołowej pracy studenta
	[HML3-U08] independently use the professional literature available in traditional and electronic form, make an assessment, critical analysis and synthesis as well as the correct interpretation of the information obtained	is able to reconstruct and describe of the geological processes leading to the formation of minerals and rocks, using empirical and literature data and correctly using terminology	[SU8] obserwacja samodzielnej lub zespołowej pracy studenta
	[HML3-U03] recognise natural (including geological) and anthropogenic objects and link them to the processes leading to their formation	can macroscopic identify and describe basic minerals, rocks on the basis of own observations and data source data	[SU4] test/egzamin - ustny lub pisemny [SU8] obserwacja samodzielnej lub zespołowej pracy studenta
	[HML3-U19] plan and implement independent learning and improvement of his/her professional competences	independently deepens and updates own knowledge of epitomise and effects of geological processes	[SU8] obserwacja samodzielnej lub zespołowej pracy studenta
Subject contents	Laboratories: 1. Rock-forming minerals and their macroscopic characteristics. 2. Basics of petrography: an overview of magmatic, sedimentary and metamorphic rocks with taking into account their mineral composition and features of internal structure		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	colloquium I	51.0%	50.0%
	colloquium II	51.0%	50.0%
Recommended reading	Basic literature	CZUBLA P., MIZERSKI W., ŚWIERCZEWSKA-GLADYSZ E.: Przewodnik do ćwiczeń z geologii. Wydawnictwo Naukowe PWN, Warszawa 2005. JAROSZEWSKI W. (red.): Przewodnik do ćwiczeń z geologii dynamicznej. Wyd. geologiczne, Warszawa 1986. KSIĄŻKIEWICZ M.: Geologia dynamiczna. Wyd. geologiczne, Warszawa 1979. MIZERSKI W.: Geologia dynamiczna. Wydawnictwo Naukowe PWN, Warszawa 2010. WITAK M., PRUSZKOWSKA-CACERES M., SZYMCZAK E.: Podstawy geologii. Przewodnik do ćwiczeń. Wyd. UG, 2015	
	Supplementary literature	ALLEN P. A.: Procesy kształtujące powierzchnię Ziemi. Wydawnictwo Naukowe PWN, Warszawa 2000. JAROSZEWSKI W. (red.): Słownik geologii dynamicznej. Wyd. geologiczne, Warszawa 1985. SKOCZYLAS J.: Budowa Ziemi. Wielka Encyklopedia Geografii Świata. Tom II. Wydawnictwo Kurpisz, Poznań 1996. WITT A., BORÓWKA K. R.: Rzeźba powierzchni Ziemi. Wielka Encyklopedia Geografii Świata. Tom VI. Wydawnictwo Kurpisz, Poznań 1997.	
	eResources addresses		

Example issues/ example questions/ tasks being completed	macroscopic identification of minerals and rocks on the basis of learned methods
Work placement	Not applicable

Document generated electronically. Does not require a seal or signature.