University of Gdańsk

Subject card

Subject name and code	Geology - laboratory exercise, PG_00054181		
Field of study	Marine Hydrography		
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 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 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	30.0	0.0	0.0	30

E-learning hours included: 0.0

Additional information:

laboratories

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-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] observation of student's independent or team work
[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/exam - oral or written [SU8] observation of student's independent or team work
[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] observation of student's independent or team work
[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/exam - oral or written [SU8] observation of student's independent or team work
[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/exam - oral or written
[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/exam - oral or written

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 II	51.0%	50.0%
colloquium I	51.0%	50.0%

Recommended reading

Basic literature	CZUBLA P., MIZERSKI W., ŚWIERCZEWSKA-GŁADYSZ 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.