University of Gdańsk

Subject card

Subject name and code	Regional geology of Poland - lecture, PG_00091126		
Field of study	Geology		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	3.0
Learning profile	academic	Assessment form	exam
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 Marzenna Stempień-Sałek	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	40.0	0.0	0.0	0.0	0.0	40

E-learning hours included: 0.0

Additional information:

lecture with a presentation

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	40	20.0	25.0	85

Subject objectives

Introduction of students to the geological structure of Poland (Paleozoic, Mesozoic, and Cenozoic geological-structural units) and adjacent areas as a result of lithospheric evolution.

Acquisition of skills to link lithological formations with paleogeographical changes that occurred in geological history.

Understanding the geological development of distinct geological units of Poland.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GEOLL3_U03] is able to use source information in Polish and English, including archival and electronic databases, in the field of geological issues	Students will be able to utilize source information, such as archival and electronic databases (in the field of geological issues), in both Polish and English languages.	[SU4] test/exam - oral or written
[GEOLL3_U05] can reconstruct the history of geological development of selected regions in Poland and in the world on the basis of maps, cross-sections and exposures in the field	The students will acquire the ability to reconstruct the geological development history of selected regions in Poland and worldwide using maps, geological cross-sections, and field studies.	[SU4] test/exam - oral or written
[GEOLL3_W05] knows the structure and geological development of selected regions in Poland and in the world	Students will be acquainted with the geological structure and development of selected regions in Poland and around the world.	[SW4] test/exam - oral or written
[GEOLL3_U02] has the skill of analytical and synthetic way of reasoning leading to correct inference based on the results obtained or the facts presented	Students will acquire comprehensive knowledge about the geological structure of Poland and adjacent areas, understand the processes of geological development in these regions, and develop analytical and synthetic thinking skills, enabling them to draw accurate conclusions based on available data.	[SU4] test/exam - oral or written
[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences	Students will be familiar with and understand the terminology specific to the exact and natural sciences, using it to support the analysis and interpretation of geological data.	[SW4] test/exam - oral or written
[GEOLL3_W03] knows and identifies paleontological, mineralogical, petrographic and structural objects using appropriate methods	Students will acquire the ability to identify mineralogical, paleontological, petrological, and structural objects.	[SW4] test/exam - oral or written
[GEOLL3_K03] is willing to exercise caution and criticism in receiving information from scientific literature, the Internet and other media related to natural sciences	Students will develop the skill of exercising caution and critical thinking in the process of assimilating information from scientific literature, the Internet, and other media pertaining to natural sciences.	[SK4] test/exam - oral or written
[GEOLL3_W01] knows and understands the basic natural phenomena and explains their course in relation to geological processes	The students will acquire the ability to comprehend natural phenomena and will also familiarize themselves with research methods utilized for their analysis.	[SW4] test/exam - oral or written
[GEOLL3_W04] knows and understands phenomena and processes occurring in the past and today in the interior of the Earth and on its surface, defines the methods of how to study them	Students will master the mechanisms of geological phenomena occurring within the Earth's interior and on its surface, as well as the methods used to study these phenomena.	[SW4] test/exam - oral or written

Subject contents

Geological regionalization fundamentals.

Geological structure of Poland in the context of Europe and the world.

Structural-geological units of individual structural floors in Poland (1. Precambrian, 2. Paleozoic, 3. Mesozoic, 4. Cenozoic).

Distribution of the most important mineral resources of Poland in relation to its geological structure.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
exam	51.0%	100.0%

Recommended reading	Basic literature	Stupnicka E., Stempien-Sałek M. 2016, 2019. Geologia regionalna Polski, Wyd. Uniwersytetu Warszawskiego, Warszawa Żelaźniewicz A. i in., 2011. Regionalizacja tektoniczna Polski. Komitet Nauk Geologicznych PAN Budowa geologiczna Polski. 1990 (tomy Stratygrafia i tektonika) Wyd. PiG-PiB
	Supplementary literature	Geological Review, monthly, PIG-PIB Publications
	eResources addresses	
Example issues/ example questions/ tasks being completed	The phenomenon of inversion and the formation of the Mid-Polish AnticlinoriumMid-Polish Anticlinorium) Anticlinorium)	
Work placement	Not applicable	

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