

Course title Geologia/Geology		ECTS code 7.2.0496	
Name of unit administrating study			
Faculty of Chemistry			
Studies			
Field of study	Type	Form	
Environmental Protection	Bachelor	Full-time studies	
Teaching staff Dr Karol Tylman			
Forms of classes, the realization and number of hours		ECTS credits	
A. Forms of classes, in accordance with the UG Rector's regulations lecture, audytorium classes		classes - 45 h tutorial classes - 3 h student's own work - 27 h TOTAL: 75 h - 3 ECTS	
B. The realization of activities In-class learning			
C. Number of hours lecture 30 h, audytorium classes 15 h			
The academic cycle Second year, winter semester			
Type of course obligatory		Language of instruction Polish	
Teaching methods Lecture with multimedial presentation Work in groups		Form and method of assessment and basic criteria for evaluation or examination requirements	
		A. Final evaluation, in accordance with the UG study regulations Course completion (with a grade)	
		B. Assessment methods written exam (test) colloquium the final grade will be determined based on partial grades received during the semester	
		The basic criteria for evaluation Classes: 1) colloquium of recognition of minerals and rocks (on pass, without grades) 2) a written colloquium in the form of a test with open questions from the knowledge of minerals and rocks (on grades) The condition for passing the classes is to receive a pass mark from the recognition colloquium and a positive mark from the written colloquium, which then becomes the final mark from the classes Lecture: written exam in the form of an open-question test	

Required courses and introductory requirements

A. Formal requirements

The condition to get a final pass is to receive a positive mark from the classes

B. Prerequisites

Brak

Aims of education

The lecture: The transfer of knowledge about the construction of the interior of the Earth and the Earth's crust and the course of geological processes

Classes: Acquiring the ability to macroscopically recognize the basic minerals and rocks that make up the earth's crust, getting to know their classification

Course contents

Lecture: construction of the Earth's interior; plutonism, volcanism, metamorphism, diastrophism; aeration processes; erosion; sedimentation; water circulation in rocks.

Classes: basic elements of crystallography; structure and properties of minerals; review of the most important rock-forming minerals; mineral composition, structures and textures of magma rocks, classification and review of magma rocks; mineral composition of sedimentary rocks, classification and review of sedimentary rocks; mineral composition and classification of metamorphic rocks.

Bibliography of literature

A. Literature required to pass the course

Basic:

Książkiewicz M. 1979, "Geologia dynamiczna". Wyd. Geol. Warszawa.

Mizerski W. 2003, "Geologia dynamiczna dla geografów". PWN, Warszawa.

Jaroszewski W. (red.), 1986. "Przewodnik do ćwiczeń z geologii dynamicznej". Wyd. Geol. Warszawa.

B. Extracurricular readings:

Thompson G.R., Turk J. 1998, "Introduction to physical geology". Saunders College Pub.