KAPITAŁ LUDZKI
NARODOWA STRATEGIA SPÓJNOŚCI

Projekt współfinansowany przez Unię Europejską w ramach Europejskiego Funduszu Społecznego

UNIA EUROPEJSKA
EUROPEJSKI FUNDUSZ SPOŁECZNY

| Course title | ECTS code |
|---|---|
| Geology | 7.2.0496 |

**Name of unit administrating study**

null

**Studies**

| faculty | field of study | | |
|---|---|---|---|
| Wydział Chemii | Ochrona środowiska | type | pierwszego stopnia |
| | | form | stacjonarne |
| | | specialty | Podstawowa |
| | | specialization | Podstawowa |

**Teaching staff**

dr Karol Tylmann

**Forms of classes, the realization and number of hours**

**Forms of classes**

Auditorium classes, Lecture

**The realization of activities**

classroom instruction

**Number of hours**

Lecture: 30 hours, Auditorium classes: 15 hours

**ECTS credits**

3
classes - 45 h
tutorial classes - 3 h
student's own work - 27 h
TOTAL: 75 h - 3 ECTS

**The academic cycle**

2023/2024 winter semester

**Type of course**

obligatory

**Language of instruction**

polish

**Teaching methods**

- group work
- multimedia-based lecture

**Form and method of assessment and basic criteria for eveluation or examination requirements**

**Final evaluation**

Graded credit

**Assessment methods**

- (mid-term / end-term) test
- written exam (test)
- graded course credit based on individual grades obtained during the semester
- 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**

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

**Method of verifying required learning outcomes**

**Required courses and introductory requirements**

**A. Formal requirements**

Required courses and introductory requirements

Formal requirements

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

**B. Prerequisites**

none

## Aims of education

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

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 crystalography; 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

Bibliography of literature

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.

Extracurricular readings:

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

| The learning outcomes (for the field of study and specialization) | Knowledge |
|---|---|
| | Skills |
| | Social competence |

## Contact

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