



## Syllabus

**Term:** 2026/27/1      **Subject name:** Introduction to Geology pr.      **Subject code:** AFOLNA0402

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**Unit (Unit code)**      Institute of Geography and Earth Sciences (FOLDRAJZ)

**Lecturer responsible for the course:** Dr. FARICS Éva

**Requirement:** Term mark

**Classes per week :** 0/2/0

**Classes per term:**

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### Purpose of education:

The aim of the course is for students to become familiar with and recognize the most important fossils, minerals, and rocks, as well as to master the correct use of fundamental geological definitions. By completing the course, they will be able to interpret geological maps. Through the knowledge gained in practical sessions, they will be able to identify geological relationships, collect data, and comprehensively evaluate it.

### Contents:

**Week 1:** Introduction; Scale model of Earth's structure

**Week 2:** Morphological cross-sections through rift valleys and mountain ranges

**Week 3:** Plate boundaries

**Week 4:** Crystal systems and mineral classes

**Week 5:** Minerals identification

**Week 6:** Igneous rocks; rock identification

**Week 7:** Sedimentary rocks; rock identification

**Week 8:** Midterm exam

**Week 9:** Metamorphic rocks; rock identification



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### Contents:

**Week 10:** Fossil identification

**Week 11:** Use of the geological compass; representation of measurement results; visualization of geological data

**Week 12:** Interpretation of geophysical (borehole and seismic) profiles

**Week 13:** Midterm exam

### System of examining and valuation:

During the semester, there are two midterm exams: the first in Week 8 and the second in the final week. Submission of the drawings completed during the first two practical sessions is a requirement for passing the course.

Grading is based on the total points from the two midterm tests, according to the following scale:

- 50% – Pass
- 60% – Satisfactory
- 75% – Good
- 85% – Excellent

An additional requirement is that none of the components listed above may be insufficient on their own. A single opportunity to improve the midterm test grades will be provided during the make-up week.

### Bibliography:

Earle, S. (2019). *Physical Geology – 2nd Edition*. Victoria, B.C.: BCcampus.



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### Bibliography:

<https://opentextbc.ca/physicalgeology2ed/>

### Bibliography:

Frost, B. R., & Frost, C. D. (2019). *Essentials of igneous and metamorphic petrology– 2nd Edition*. Cambridge University Press.

Sheldon, P., Coe, A., & Hyden, F. (2011). *Fossils and sedimentary rocks*. The Open University. ISBN: 978-1848736863