

Practice in Earth Sciences

Syllabus Number

5E191

Special Subjects

Elective 1 credit

KAWANO Shigenori

1. Course Description

This course introduces basic practices and experiments to learn about the evolution of the universe, geo-history, atmosphere, and ocean.

2. Course Objectives

Through the experiment, you will learn the way to experiment geology and observation in classes in accordance with the geology education content.

3. Grading Policy

Your overall grade in the class will be decided based on the following:

-Short quiz score on each practice: 75%

-Report on each practice: 25%

4. Textbook and Reference

Textbook

Photo Science, Suken Shuppan, ISBN978-4-410-28772-5

5. Requirements(Assignments)

This course introduces training to become a science teacher for Junior high school and high school.

6. Note

7. Schedule

- [1] Rock-forming minerals
- [2] Igneous rocks
- [3] Grain size of sediments and volcanic ash
- [4] Sedimentary and metamorphic rocks
- [5] Gemmology
- [6] Topographical map
- [7] Surveying
- [8] Geological map 1 Relationship between spatial distribution and topography
- [9] Geological map 2 Geological mapping
- [10] Paleontological research 1 Replication
- [11] Paleontological research 2 Observation, classification and description
- [12] Oceanography and Limnology
- [13] Atmospheric sciences and Meteorology
- [14] Cosmology
- [15] Geoparks