

## Earth Science for Exchange Students 2018-2019



The Faculty of Earth Sciences offers a selection of courses under the themes of geology and geophysics. Emphasis is placed on aspects of Icelandic geology, such as extensional plate tectonic, magmatism, volcanism, geothermal activity, glaciers, and North Atlantic Oceans. The course is suitable for EU Erasmus and any other exchange students who want to spend one or two semesters in Iceland as a part of their university education. We recommend a minimum requirement of one year of undergraduate study in Earth Science. All courses are taught in English.

The School of Engineering and Natural Sciences, University of Iceland, reserves the right to restrict admission to the Earth Science programme to students having an adequate background, which equals to at least one-year study in geology, geophysics, students of geography can enter these courses if they have background that is compatible to what is required after one year of geology or geophysics study. Some courses have required or recommended preparation. A basic knowledge of mathematics and physics is assumed in Introduction to Geophysics, Current Crustal Movements, Volcanology and Glaciology, while some chemical background is required for Environmental Geochemistry and Chemical Oceanography.

**Field trips:** Some of the courses include field trips. There the students get unique opportunities to explore the nature of Iceland.

### Autumn semester 2018

- JAR508M [Geothermal energy](#)
- JED104G [Introduction to Geophysics](#)
- JED505G [Current Crustal Movements](#)
- JAR107M [Introduction to the Geology of Iceland](#)
- JAR513M [Energy and resources of the Earth](#)
- JAR312G [Igneous Petrology](#)

### Spring semester 2019

- JAR603M [Magmas in the crust](#) \*\*
- JAR623G [Metamorphism, hydrothermal alteration and weathering](#)
- JAR617G [Glacial Geology](#)
- JAR213G [Volcanology](#)

JAR622M [Glaciology](#)

JAR624M [Paleolimnology](#) \*\*

JAR623M [Quaternary Environments](#)

\*Taught in the first half of the semester

\*\*Taught in the later half of the semester