Module title: Analysis of Geomaterials

Abbreviation: 04-Geo-AG-152-m01

Module coordinator: holder of the Professorship of Geodynamics and Geomaterials Research

Module offered by: Institute of Geography and Geology

ECTS: 5

Method of grading: numerical grade

Only after succ. compl. of module(s): --

Duration: 1 semester

Module level: undergraduate

Other prerequisites: --

Contents:
Principles of modern methods in order to determine mineralogical, elementary and isotopic composition of minerals and rocks, e.g. x-ray diffractometry, x-ray fluorescence spectrometry, microprobe-analytic, mass spectrometry. As far as possible, practical tutorials/demonstrations will be conducted, next to the explanation of theoretical functionality, in the respective labs.

Intended learning outcomes:
The students achieve basics of common analytical methods in order to determine the chemical and isotopic composition of minerals and rocks.

Courses:
(2)

Module taught in: German and/or English

Method of assessment:
(a) written examination (approx. 45 minutes) or (b) oral examination of one candidate each (approx. 30 minutes) or (c) presentation (approx. 30 minutes)

Assessment offered: Once a year, winter semester

Language of assessment: German and/or English

Allocation of places:
max. 20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student’s progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

Additional information:
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Referred to in LPO I (examination regulations for teaching-degree programmes):
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Module appears in:
Bachelor’s degree (1 major) Geography (2015)
Bachelor’s degree (1 major, 1 minor) Pre- and Protohistoric Archaeology (2015)
Bachelor’s degree (1 major, 1 minor) Pre- and Protohistoric Archaeology (Minor, 2015)
Bachelor’s degree (2 majors) Pre- and Protohistoric Archaeology (2015)