## 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)
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### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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### 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
(type, number of weekly contact hours, language — if other than German)

| Ü (2) | Module taught in: German and/or English |

### Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

- 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’ 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)