### Module title
Analysis of Geomaterials

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<th>Abbreviation</th>
<th>09-BFA2T1-102-m01</th>
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### Module coordinator
holder of the Chair of Geodynamics and Geomaterials Research

### Module offered by
Institute of Geography and Geology

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<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<tr>
<td>5</td>
<td>numerical grade</td>
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### Duration
1 semester

### Other prerequisites
undergraduate

### 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-analytics, 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
Students dispose over basics of common analytical methods in order to determine the chemical and isotopic composition of minerals and rocks.

### Courses
V + Ü (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
written or oral examination of one candidate each or presentation (30 minutes)

### Allocation of places
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### Additional information
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### Referred to in LPO I
(examination regulations for teaching-degree programmes)

### Module appears in
Bachelor' degree (1 major) Geography (2010)