

<b>Module title</b>		<b>Abbreviation</b>
<b>Working Methods: Solid Earth System</b>		09-MT3-082-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Geodynamics and Geomaterials Research		Institute of Geography and Geology
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>Basic observations on geological materials that can already be made in the field and which can lead to a first interpretation of geological processes, which took place, as well as the creation of value of geomaterials. Students will be provided with distinctive features and characteristics of the most important rock-forming and economically relevant minerals by means of chosen visuals. Subsequently, the classification of the most important sedimentary, igneous and metamorphic rock types will be elucidated and practised on the basis of their in the hand-piece identifiable mineral existence and structure. In the following modular section, the understanding of two-dimensional display of three-dimensional display of geological phenomena like the geographical distribution of different rock types or tectonic structures will be developed in form of geological maps and sections as well as simple structural-geological diagrams.</p>		
<b>Intended learning outcomes</b>		
<p>Students are able to identify the most important mineral types and as far as possible, to outline and interpret the rock samples without analytical tools. Moreover, they are able to interpret geological maps correctly and to show geological field observations in map form, profiles and suitable diagrams.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> <li>• 09-MT3-1-082: S (no information on SWS (weekly contact hours) and course language available)</li> <li>• 09-MT3-2-082: Ü (no information on SWS (weekly contact hours) and course language available)</li> </ul>		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p><b>Assessment in module component 09-MT3-1-082: Mineral and Rock Identification</b></p> <ul style="list-style-type: none"> <li>• 5 ECTS, Method of grading: numerical grade</li> <li>• written or oral examination of one candidate each (30 minutes each)</li> </ul> <p><b>Assessment in module component 09-MT3-2-082: Geological Maps and Structures</b></p> <ul style="list-style-type: none"> <li>• 5 ECTS, Method of grading: numerical grade</li> <li>• written or oral examination of one candidate each (approx. 30 minutes each) or term paper (approx. 20 pages)</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

§ 66 (1) 2. Geographie Methoden der Geographie

**Module appears in**

Bachelor' degree (1 major) Geography (2008)

Bachelor' degree (1 major) Geography (2010)

Bachelor' degree (1 major) Mathematics (2008)

Bachelor' degree (1 major) Mathematics (2012)

Bachelor' degree (1 major) Mathematics (2013)

Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)

Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)

Bachelor's degree (2 majors) Geography (2010)