

<b>Module title</b>		<b>Abbreviation</b>
Geochemistry and Geohydrology		04-Geo-GW-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Professorship 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>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
The module deals with different geochemical systems, particularly in the area of the Earth's upper crust and geochemical processes that lead to changes in rocks and rearrangement of elements or element groups as well as the respective transport mechanisms. The main focus will be on aquatic processes and thus, also on general hydrogeological aspects like water cycle, water storage and problems concerning the water contamination.		
<b>Intended learning outcomes</b>		
The students are acquainted with the basics of geochemical and hydrological processes that particularly occur in the Earth's upper crust and which are the basis of further studies in the field of environmental sciences.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) Module taught in: German and/or English		
<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)		
a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) presentation (approx. 30 minutes) or d) term paper (approx. 20 pages) Assessment offered: Once a year, summer semester Language of assessment: German and/or English		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Geography (2015) Bachelor's degree (1 major, 1 minor) Pre- and Protohistoric Archaeology (2015) Bachelor's degree (2 majors) Pre- and Protohistoric Archaeology (2015)		