

Module title		Abbreviation
Mineral Resources in Space and Time		04-GEO-RE3-212-m01
Module coordinator		Module offered by
holder of the Professorship of Geodynamics and Geomaterials Research		Institute of Geography and Geology
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
<p>The course provides an overview of the multitude of mineral deposits -- essential georesources for the sustainable utilization of planet Earth. In particular, processes that can lead to the economic concentration of mineral resources will be discussed using examples of major deposit types. This includes magmatic, hydrothermal and sedimentary processes that resulted in the formation of economically viable deposits of ore minerals, solid fuels and industrial minerals.</p>		
Intended learning outcomes		
<p>The students obtain basic, up-to-date insights into the geology of mineral deposits on the basis of concrete examples. Furthermore they obtain the ability to classify known and new mineral deposits/occurrences in a genetic way, thus laying the foundation for optimising future exploitation and exploration strategies.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
S (2) Module taught in: 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)		
<p>a) presentation (approx. 30 minutes) or b) preparing a poster (approx. 10 hours total) or c) written examination (approx. 45 minutes) Assessment offered: Once a year, winter semester Language of assessment: English or German (assessment will be held in English; in addition, the examiner may, where possible, decide to hold assessment in German)</p>		
Allocation of places		
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Additional information		
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Workload		
150 h		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) Applied Earth Observation and Geoanalysis (EAGLE) (2021)		