

Module title		Abbreviation
Exploration of Mineral Deposits		04-GEO-APP3-162-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		
The examples may include the management of the resources in rangelands, croplands, irrigation and drainage systems, river catchments, urban areas, or others. Focus may be set on special geographical settings. Depending on the selected topics and scale relevant Earth Observation parameters can include land cover and land use mapping, biophysical variables (LAI/FPAR/Chlorophyll, evapotranspiration, etc.), biomass or crop yields, soil moisture, phenological metrics and other dynamic parameters.		
Intended learning outcomes		
Application of Remote Sensing in Mineral Deposit research		
Courses (type, number of weekly contact hours, language — if other than German)		
S (1) + Ü (1) 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)		
a) presentation (approx. 30 minutes) or b) preparing a poster (approx. 10 hours total) or c) term paper (approx. 15 pages) 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) Assessment offered: Once a year, summer semester creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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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) (2016) Master's degree (1 major) Applied Earth Observation and Geoanalysis (EAGLE) (2018) Master's degree (1 major) Applied Earth Observation and Geoanalysis (EAGLE) (2021)		