

Module title		Abbreviation
Land and Water Management		04-GEO-APP2-162-m01
Module coordinator		Module offered by
holder of the Professorship of Remote Sensing		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>A general introduction on the land and water management and its demand for integrative knowledge in numerous fields of environmental and social sciences is given. The students select topics in which remote sensing and geoanalysis can significantly contribute parameters for answering relevant management questions. The topics include the derivation and use of parameters for monitoring land and/or water resources and examples how to use them in analytical or predictive models, or in indicator systems.</p>		
Intended learning outcomes		
<p>Participants will increase their knowledge about remote sensing approaches and geoanalytical methods which support different fields of land and water management. The students will gain practical experiences in selected examples.</p>		
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)		
<p>a) presentation (approx. 30 minutes) or b) preparing a poster (approx. 10 hours total) or c) term paper (approx. 15 pages) Assessment offered: Once a year, summer 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) creditable for bonus</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		
<p>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)</p>		