

Module title		Abbreviation
From Field Measurements to Geoinformation		04-GEO-MB3-162-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>This module sets a strong focus on field methods and data integration for selected types of land mapping. The contents of the course comprises the preparation of field campaigns, i.e. the selection of sampling schemes and methods appropriate for the subsequent analysis. A broad sequence of field devices will be introduced to the students. The field data collection can focus on different fields of environmental mapping, e.g. land use or vegetation, climate soil, geology, and others. Depending of the special focus of course, spatial integration and interpolation methods are presented.</p>		
Intended learning outcomes		
<p>The students will gain knowledge in how to collect field data for the purposes of training and validation land cover maps and geo-/biophysical parameters.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
<p>Ü (2) Module taught in: English</p>		
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) 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		
Teaching cycle		
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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) Master's degree (1 major) Applied Earth Observation and Geoanalysis (EAGLE) (2024)</p>		