Module title: From Field Measurements to Geoinformation

Module coordinator: holder of the Professorship of Remote Sensing

Module offered by: Institute of Geography and Geology

ECTS: 5

Method of grading: numerical grade

Duration: 1 semester

Module level: graduate

Other prerequisites: --

Contents:
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.

Intended learning outcomes:
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.

Courses:
Ü (2)
Module taught in: English

Method of assessment:
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

Allocation of places:
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Additional information:
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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)