Module title			Abbreviation
Remote Sensing of land surface parameters			09-RELA1-102-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

The module deals with the remote sensing acquisition of the land surface and characterisation or quantification of relevant state variables. The main focus and perspective will be on their function as resource. The course provides students with methods for the acquisition of surface types like vegetation, water, soil, and urban areas as well as parametrisations for quantification and characterisation of conditions of different surface types (including vegetation and soil parameters, sealing level). Furthermore, students will be provided with methodological competences of landscape analysis (e.g. analysis of location relation, fragmentation of landscape elements, urban structure) as well as (inter) national evaluation approach, monitoring process and programmes and practical application example that will be covered.

Intended learning outcomes

Students acquire skills of methodological aspects and substantive assessment of parameters of the land surface against the background of different geographical cases of application. Thus, the basics for the understanding of remote sensing datasets and methods as well as the observed processes on land surfaces will be created. Through the kind and complexity of the issues, the interdisciplinary work will be encouraged.

Courses (type, number of weekly contact hours, language — if other than German)

Ü (no information on SWS (weekly contact hours) and course language available)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

project report (approx. 20 pages) or poster
Language of assessment: German, English

Allocation of places

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Additional information

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Workload

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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 Physical Geography (2013)
Master's degree (1 major) Applied Physical Geography (2010)