Module title
Land and Water Management

Abbreviation
04-GEO-APP2-162-m01

Module coordinator
holder of the Professorship of Remote Sensing

Module offered by
Institute of Geography and Geology

ECTS
5

Method of grading
numerical grade

Only after succ. compl. of module(s)
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Duration
1 semester

Module level
graduate

Other prerequisites
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Contents
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.

Intended learning outcomes
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.

Courses
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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)
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

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)