

Module title		Abbreviation
Dynamics of the land surfaces		09-RELA2-102-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		
<p>The module focuses on the remote sensing acquisition of land coverage and the temporal change (inter and intra-annual vegetation dynamics) from a subcontinental up to a global scale. The gained knowledge about dynamics of the land surface will be consolidated on the basis of issues about the climate change (interaction of land surface with the atmosphere), the sustainable land and water management, the land degradation and desertification as well as the biodiversity research. Methodologically, the focus will be on the multitemporal derivation and evaluation of geo and biophysical parameters, remote sensing quantification of flow of substances on Earth's surface (CO₂, energy balance) and on scale transitions.</p>		
Intended learning outcomes		
<p>Students acquire methodological and advanced content-related competencies in order to be able to acquire and evaluate dynamics of the land surface from different perspectives. Thanks to the type and complexity of the precisely selected current issues of global change, interdisciplinary approaches and strategies will be encouraged</p>		
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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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)		