



Module title					Abbreviation
Dynamics of the land surfaces 04-Geo-RELA2-152-mo1					
Module coordinator				Module offered by	
holder of the Professorship of Remote		Sensing Institute of Geography and Geology		bhy and Geology	
ECTS Method of grading		Only after succ. compl. of module(s)			
5	numerical grade				
Duration Module level		Other prerequisites			
1 semester graduate		graduate			
Contents					
This module focusses on the observation of land cover and land cover change (intra- and inter-annual vegetati- on dynamics) by the means of remote sensing for subcontinental to global scales. The gained knowledge about the dynamics of the earth's surface is strengthened by self-contained answering of questions on climate change (interactions between the land surface and the atmosphere), sustainable land and water management, land de- gradation and desertification as well as biodiversity research. The methodological focus lies on the derivation and analysis of multi-temporal geo- and biophysical parameters, quantification of remotely sensed fluxes at the earth surface (CO ₂ , energy balance) and scale issues.					
Intended learning outcomes					
The students acquire methodological knowledge and deepening textual knowings about the assessment and evaluation of the land surface dynamics from different perspectives. The carefully selected scientific problems on global change encourage interdisciplinary and holistic thinking and approaches.					
Courses (type, number of weekly contact hours, language — if other than German)					
Ü (2) Module taught in: German and/or English					
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)					
a) term paper (approx. 20 pages) or b) preparing a poster (approx. 10 hours) Language of assessment: German and/or English Assessment offered: Once a year, summer semester					
Allocation of places					
15 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.					
Additional information					
Workload					
150 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					
Master's degree (1 major) Applied Physical Geography (2015) Master's degree (1 major) Applied Physical Geography (2016)					
MILWürzburg					
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