

Module title		Abbreviation
Selected Topics in Geography II		04-GEO-RE2-162-m01
Module coordinator		Module offered by
holder of the Professorship of Physical Geography		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 emphasis of this course is on linking classic biogeographical theory with current research outcomes. The aim is to learn what the historical and ecological reasons are behind the geographical distributions of living organisms and their communities, and the dynamic nature of these distributions. In this course we will answer the following questions: What are the patterns of plant distribution and diversity? What mechanisms explain these patterns? What are the theoretical and technical basic principles for the modelling of species distributions? What is the aim of the study of species distributions in the context of the "biodiversity crisis" and a dramatically changing environment? How can remote sensing techniques be useful for this kind of studies? After completing the course, each student should have: Gained or developed a familiarity and functional understanding in each of the main themes outlined on the course timetable and demonstrated competence in discussing and integrating across these themes.</p>		
Intended learning outcomes		
The module deepens student's knowledge on selected environmental theories and approaches and their relevance for applied remote sensing.		
Courses (type, number of weekly contact hours, language — if other than German)		
V (2) Module taught in: 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)		
written examination (approx. 45 minutes) Assessment offered: Once a year, winter 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)		
Allocation of places		
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Additional information		
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Workload		
150 h		
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)		