

Module title		Abbreviation
Advanced Remote Sensing Applications		04-GEO-APP5-212-mo1
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>This course provides an overview of an scientific field that has been emerging around the interface of Earth observation and Movement Ecology or movement data analysis in general. The course covers the fundamentals of movement tracking in the context of Earth observation and takes a look at the recent history and bleeding edge developments in combining Earth observation and movement tracking. Furthermore, the course sheds light on potential analytical outcomes that could be achieved in the near future once the methodologies from the clashing disciplines have been further melted to allow advanced mixed-data analyses.</p>		
Intended learning outcomes		
<p>Participants will gain a thorough and comprehensive overview and understanding of the interface of Earth observation and movement data analysis. The course aims to build basic knowledge that enables participants to think independently and critically within the field covered by the course and allows them to creatively think of the potentials and possible analytical treasures that one might be able to lift by combining Earth observation and movement data in the near future.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
S (1) + Ü (1) 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)		
<p>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</p>		
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) (2021)		