

Module title		Abbreviation
Climate change, implications and protection		04-Geo-MAT1-152-m01
Module coordinator		Module offered by
holder of the Professorship of Climatology		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 focus is on the variability of atmospheric features at climatological time scales. In particular, anthropogenic climate change is assessed against the background of natural climate variations. Observed indications of climate change and climate model projections will be illustrated, ecological and socioeconomic implications be derived and needs of climate protection be discussed.</p>		
Intended learning outcomes		
<p>The students gain substantial insights into the mechanisms of climate variability on the basis of physically and mathematically explicit assessments of atmospheric processes. Especially, the interplay between natural and anthropogenic climate factors will be elucidated.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
V (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)		
<p>written examination (approx. 60 minutes) Assessment offered: Once a year, winter semester Language of assessment: German and/or English</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		
<p>Master's degree (1 major) Applied Human Geography (2015) Master's degree (1 major) Applied Physical Geography (2015) Master's degree (1 major) Applied Physical Geography (2016) Master's degree (1 major) Applied Human Geography (2017) Master's degree (1 major) Social Science Sustainability Studies (2021)</p>		