

Module title		Abbreviation
Statistics 3		09-MSTAT3-102-m01
Module coordinator		Module offered by
holder of the Chair 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>Geoscientific issues will often be studied with the help of larger data sets. Already at the level of the master's thesis, the use of univariate and multivariate processes of statistic, which can only be implemented on the computer due to the amount of data, will be necessary in certain cases - particularly to "Climatology and Remote Sensing" - the amount of data is as large or in some cases too specific that common statistical programmes like SPSS, R, S or even Excel cannot be used. Thus, in the module "Statistics III" common and specific processes of univariate and multivariate statistic will be implemented on the computer with the help of basic programming language FORTRAN and by plausible examples from different areas of Geography.</p>		
Intended learning outcomes		
<p>Based on the theoretical knowledge of uni and multivariate statistics, which has been acquired during the B.A., the module "Statistics III" will provide students with qualifications in the area of applying statistical processes. Next to the statistical-methodological aspects, programming skills will be implemented, as it is more and more a key qualification for geographers in the vocational and research fields. Processes, which are listed in the module component description, will be applied to current examples from the geographical research and practice in order to serve students as a target-oriented preparation for the master's thesis.</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)		
<p>practice work (approx. 15 pages) and oral examination of one candidate each or oral examination in groups (approx. 15 minutes per candidate each), weighted 1:1 Language of assessment: German, English</p>		
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		
<p>Master's degree (1 major) Applied Human Geography (2010) Master's degree (1 major) Applied Physical Geography (2013) Master's degree (1 major) Applied Physical Geography (2010)</p>		