

Module: G12 Statistics		
Exam: G12 Statistics	LV.-No.:	ECTS-Points: 5 CP
Recommended Semester: 2nd Semester	Module: Mandatory	Language: German or English
Responsible lecturer: Prof. Dr. Fritz Titgemeyer	Cycle: Winter Term	Registration information:
Lecturer in charge: Dr. rer. nat. Tim Fechtner		
Learning outcomes	Students are able <ul style="list-style-type: none"> • to reflect the contents of descriptive and inductive statistics • to process data statistically and graphically • to submit statistical data to statistical records • to interpret statistics and results of empirical studies in publications critically • to collect adequate data independently and present it with the appropriate statistical methods. 	
Form of exam	Module exam: See current examination date list and examination form list	
Form of teaching	<ul style="list-style-type: none"> • Lecture • Training 	
Course contents	<ul style="list-style-type: none"> • Descriptive statistics (scale levels, frequency distributions, location parameter, scattering and concentration parameters, graphical evaluation, correlation and regression). • Inductive statistics (probability calculus, random variables, statistical test methods) • Statistical applications with Excel • Interpretation of published, scientifically collected data 	
Workload	Presence (2 SWS): Training (2 SWS) Preparation and Follow-up: Sum:	30 h 30 h 90 h 150 h
Requirements	None	
Literature	Lecture Notes	