

Statistics				
Department code: IBM2.2		Module name in German: Statistik		
Workload: 150 hours, made up of: 72 contact hours 78 self-study hours	ECTS credits: 5 ECTS	Semester: 2nd semester	Frequency of module: Summer semester	Duration: 1 semester
Module type: Compulsory module	Academic level: Bachelor's degree	Suitability of module: Recommended pre-requisite for Macroeconomics, Corporate Finance, Bachelor's Thesis; study programmes in the fields of business and economics		
1	Learning outcomes: Students will be able to articulate the basic statistical methods and use these autonomously to tackle practical, predominantly business-related problems and tasks. They will be able to describe statistical distributions using suitable measures, assess statistical and causal relationships, understand probability theory fundamentals and test elementary hypotheses. Students will be able to demonstrate a general ability to think analytically and logically.			
2	Module content: <ul style="list-style-type: none"> – Statistical units and variables – Key figures for describing statistical distributions – Two-dimensional distributions, covariance and correlation – Simple linear regression – Basics of probability theory, fundamental distributions, normal distribution – Statistical testing of elementary hypotheses 			
3	Teaching and learning methods: 3 SWS seminar-type tuition 1 SWS practical tutorial			
4	Module language: English			
5	Pre-requisites for studying this module: required: none recommended: Mathematics 1, Introduction to Economics & Research			
6	Type of examination: Written examination			
7	Assessment methods: Graded			
8	Requirements for awarding ECTS credits: Student must pass module examination			
9	Other remarks: None			