

Module	Applied Statistics	
Semester	1	
Duration	1 Semester	
Method of Examination	Pflichtfach	
ECTS	5	
Student's Workload	60 h compulsory attendance + 90 h self-study	
Entry Requirements (MPO)		
Recommended Requirements	Linear Algebra, Analysis, Linear Equations, Matrices, Series, Differentiation, Integration, Elementary Functions	
Applicability	MaTMeng	
Type/Duration of Assessment	written exam (2h) or oral examination or project or draft or report or computer program or experimental work	
Teaching Method	seminar form lecture	
Module Coordinator	E. Wings	
Aims and Objectives	Statistic is a tool for acquisition, arranging, presentation and valuation of data. In this course students get the basics of the tool; this knowledge is necessary to get the following capacities: Detection of statistical assumptions; Correct choice of the methods for data evaluation and testing of statistical hypothesis; Appraisal and interpretation of statistical reports;	
Course content	mathematical expectation and variants; distribution, distribution function; conditional expectation; expected value and moments; estimation, testing.	
Literature	Sheldon M. Ross: Introductory Statistics, 3rd Edition, 2010 Andrew Siegel: Practical Business Statistics, Elsevier, 2011	
Courses		
Lecturer	Course Title	SPPW
E. Wings	Applied Statistics	4