

BS01: Statistical Methods I				Study Programme:	B
Module Type:	ECTS Credits:	Workload:	Study semester:	Module Duration:	
Compulsory	6	180	1.	one semester	
Courses (HPW=hours per week):			Contact hours:	Independent study:	Planned Group Size:
Course 1: Statistical Methods I (3 HPW)			45h	90h	450
Course 2: Statistical Methods I – Tutorial (1 HPW) Group Event <i>It will be offered several groups for course 2.</i>			15h	30h	50
Intended Learning Outcomes (ILOs):					
<p>By the end of the module, students will be able to</p> <ul style="list-style-type: none"> - elucidate and differentiate statistical methods of descriptive statistics; - adopt statistical methods and interpret their results of descriptive statistics; - adopt presented methods to various concrete questions; - carry out self-reliant analyses; - describe benefits and application orientation of the software R and apply this software referring to concrete statistical problems. 					
Key competencies:					
<ul style="list-style-type: none"> - Academic research and writing - Critical thinking - Analytical skills - Willingness to learn and accomplish 					
Description/Contents:					
Course 1: Statistical Methods I <ol style="list-style-type: none"> Descriptive Statistics <ol style="list-style-type: none"> Statistical Characteristics and Variables Descriptive Measures Two Dimensional Distribution, Linear Regression Description of Time Series Index Numbers Introduction to Probability Theory <ol style="list-style-type: none"> Elementary Combinatorics 					

2.2 Fundamentals of the Probability Theory 2.3 Random Variables Course 2: Statistical Methods I – Tutorial Cf. contents of course 1.
Language:
The language of the lectures is German.
Teaching Methods:
Lectures, group work, self-study.
Module Applicability:
B.Sc. Business Administration; B.Sc. Economics; B.Sc. Business Chemistry, BA Philosophy, Politics and Economics
Pre-requisites/Requirements:
Admission to study Business Administration, Economics, Business Chemistry or BA Philosophy, Politics and Economics for a Bachelor's degree.
Examination Types:
online-examination
Requirements for Award of Credit Points:
Successful participation in the exam. The exam will be passed if the grade is at least „sufficient“ (4,0).
Availability:
The module will be offered generally every term.
Assessment:
This course will be graded and is part of the calculation for the overall grade of your bachelor degree. Particular information concerning the calculation of the overall grade can be gathered in the respective examination regulations.
Person Responsible and Main Lecturer:
<u>Prof. Dr. Florian Hei</u> and teaching/research assistants.
Further Information:
Current information can be found at the website of the person responsible as ILIAS and His-LSF.