BS01: Statistical Methods I					Study Programme	В
Module Type:	ECTS Credits:	Workload:	Study semester:		Module Duration:	
Compulsory	6	180	1.		one semester	
Courses (HPW=hours per week):				Contact hours:	Indepen- dent study:	Planned Group Size:
Course 1: Statistical Methods I (3 HPW)				45h	90h	450
Course 2: Statistical Methods I – Tutorial (1 HPW)  Group Event  It will be offered several groups for course 2.				15h	30h	50

## **Intended Learning Outcomes (ILOs):**

By the end of the module, students will be able to

- 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.

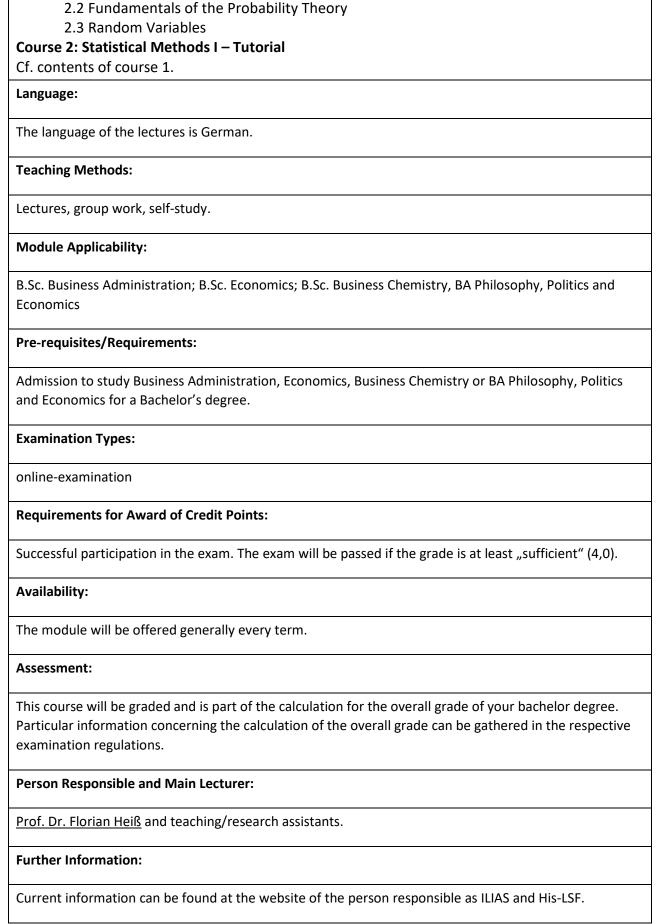
## **Key competencies:**

- Academic research and writing
- Critical thinking
- Analytical skills
- Willingness to learn and accomplish

## **Description/Contents:**

## Course 1: Statistical Methods I

- 1. Descriptive Statistics
  - 1.1 Statistical Characteristics and Variables
  - 1.2 Descriptive Measures
  - 1.3 Two Dimensional Distribution, Linear Regression
  - 1.4 Description of Time Series
  - 1.5 Index Numbers
- 2. Introduction to Probability Theory
  - 2.1 Elementary Combinatorics



Stand: 02.05.2023