



“STATISTICS I” SYLLABUS

Basic data of the subject			
Academic Unit:	Faculty of Economics		
Course title:	Statistics I		
Program:	Business Administration		
Level:	Bachelor		
Course status:	Mandatory		
Study year:	I, sem II.		
Number of hours per week:	2+3		
Credit value – ECTS:	5		
Time / location:	n/a		
Lecturer:	Prof. Ass. Dr. Anera Musliu		
Contact details:	anera.alishani@uni-prizren.com		
Course description:	The purpose of Statistics is make students familiar with the basic notions of this subject by applying the elements of statistics related to different spheres of life (economics, politics, social, etc.). In addition, statistics prepares the students to use different statistical methods necessary to participate in research, either individually or as part of various scientific teams.		
Course objectives:	Through this subject, students will be introduced to the analysis of numerical data from a scientific perspective, including: - Data, measurement and statistics - Descriptive statistical indicators - simple; - Descriptive statistical indicators - grouped; - Descriptive statistical indicators - weighted; - Mode and Median -Variation Indicators. - Indexes; - Trends - Correlation and regression		
Learning outcomes:	Student: <ul style="list-style-type: none">• Reflects on the importance of statistics, the notion of statistics and its application in different fields.• Understands the elements of statistical analysis and the difference between qualitative and quantitative variables as well as statistical survey methods• Understands the types of statistical grouping, forms frequency distribution series, presents statistical data in tables and graphs.• Finds the arithmetic, geometric and harmonic mean.• Finds mode and media• Use absolute indicators of variation in statistical analyses.• Analyses relative indicators of variation measurement.• Calculate indices.• Applies indicators of structure, dynamics and intensity.• Apply dynamic analysis methods.-		
Contribution on student load (must correspond with learning outcomes)			
Activity	Hours	Days/week	Total
Lectures	2	15	30
Exercises	3	15	45



Consultations with the Lecturer/Assistant	1	5	5
Time for self-study	1	15	15
Preparation for final exam	2	15	30
Total			125 hours (5 ECTS)
Teaching methods :	Interactive lectures, exercises, seminar papers, discussions, presentations, etc.		
Evaluation methods:	<ul style="list-style-type: none">- Regular attendance and engagement 10%- Engagement in Exercises 10%- First intermediate evaluation 40%- Second intermediate evaluation 40%- Total: 100%		
Literature			
Basic Literature:	Rahmije Mustafa - Topxhiu: HYRJE NË STATISTIKË, Prishtinë, 2016		
Additional Literature:	Prem S. Man, Introductory Statistics, Seventh Edition, John Wiley & Sons, 2010, USA, Ajet Ahmeti, Statistikë për biznes dhe ekonomiks, 2016		

Designed study plan:		
Week	Lectures	Exercises
<i>First week:</i>	The notion and the subject of Statistics: <ul style="list-style-type: none"> - Presentation of the subject and of the curriculum - Working and evaluation methods; - Mutual Student-Teacher Obligations - Meaning, Importance, Methods and Object of Statistics 	Discussion and questions from the Notion and Subject of Statistics
<i>Second week:</i>	The meaning and the importance of statistics <ul style="list-style-type: none"> - The massive and variable phenome - Sample - Population - Statistician unit - Variable - Statistical data 	Discussion questions from The meaning and the importance of statistics
<i>Third week:</i>	Summary and grouping of statistical data Observation, grouping, presentation, analyses and publication of statistical data. <ul style="list-style-type: none"> - Summary and grouping of statistical data; - Organization (grouping) and graphic presentation of qualitative data; - Organization (grouping) and graphic presentation of quantitative data 	Exercises from the Summary and grouping of statistical data
<i>Fourth week:</i>	Average measures (arithmetic, geometric) <ul style="list-style-type: none"> - Understanding - Averages for Ungrouped data 	Exercises from Average Measures (arithmetic, harmonic, geometric)

	- Averages for Weighted/ grouped data	
<i>Fifth week:</i>	Position Averages (median, mode) <ul style="list-style-type: none"> - Median (the middle value) - Mode (dominant value) - Links between arithmetic averages, media, and mode 	Exercised from Position Averages
<i>Sixth week:</i>	Indicators of absolute variation <ul style="list-style-type: none"> - Absolute variation indicators - Linear deviation, - Average quadratic standard deviation, - Variance 	Exercises from Indicators of Variations
<i>Seventh week:</i>	Relative Indicators of Variation <ul style="list-style-type: none"> - Variation coefficient, 	Exercises from Relative Measures of Variation
<i>Eighth week:</i>	The first intermediate test	The first intermediate test
<i>Ninth week:</i>	Indexed Numbers- individual indexes <ul style="list-style-type: none"> - Understanding of indexes - Simple Individual indices (for price and quantity) 	Exercises from Individual Indexes
<i>Tenth week:</i>	Physical volume index, price index and value index <ul style="list-style-type: none"> - Weighted aggregate quantity index, - Weighted aggregate price index, - Value Index 	Exercises from Grouped Indexes
<i>Eleventh week:</i>	Labour productivity index and seasonal index <ul style="list-style-type: none"> - Some special forms of aggregate indexes and their application - The average change rate - the geometric mean of the variable indices 	Exercises from Labor productivity index and seasonal index
<i>Twelfth week:</i>	Trends <ul style="list-style-type: none"> - Understanding of trends, - Their use - Linear trend 	Exercises from Trends
<i>Thirteenth week:</i>	Regression <ol style="list-style-type: none"> 1. Understanding regression 2. Linear regression 3. Nonlinear regression 4. Parabolic regression 	Exercises from Regression
<i>Fourteenth week:</i>	Practical Examples <ol style="list-style-type: none"> 1. Pacification 2. Development 3. Realization of a Research 	Exercises from Practical Examples
<i>Fifteenth week:</i>	Second intermediate test	Second intermediate test
Academic policies and rules of conduct:		
<ul style="list-style-type: none"> • The student should be mindful and respect the rules and the institution. • Must observe the schedule of lectures, exercises, and be regular to the lesson. • It is mandatory to have an ID. • When designing works, the student must adhere to the instructions provided by the teacher. • Do not use mobile phones during the teaching and test hours 		