Course title: Statistics

Course Basic Information				
Academic Unit:	Faculty of Economics, University of Pristina			
Course title:	Statistics			
Level:	BA			
Course Status:	Mandatory			
Year of Study:	1st Year/Second Semester			
Number of Classes per Week:	2+2			
ECTS Credits:	6 ECTS			
Time /Location:	AM According to the timetable			
Teacher:	Prof. Dr. Rahmije Mustafa Topxhiu			
Content of the course	Module of Basics Statistics contains the following topics: main notions and concepts of statistics; sampling; questionnaire development; data description; calculation of location and distribution descriptive statistics; relative distribution statistics; indices; time series and forecasting; correlation indicators and linear regression analyses.			
Course's objectives:	Main objective of the module is to equip students with knowledge, skills and competencies in undertaking the whole process of statistical study.			
The expected outcomes:	On successful completion of this module, students should be able to:			
	 Describe how statistics affects their daily life and recognize the role of statistics in different disciplines; Select and construct appropriate graphical, tabular, and numerical summaries of the distributions of variables in a data set; Calculate, interpret and apply measures of descriptive statistics for grouped and ungrouped data cases; Calculate and interpret different indicators of dynamic analysis, such as indexes; linear, exponential trend parameters, and so on. Analyze the relationship that exists between two variables based on simple modeling, analyze the correlations between the variables, and so on. 			
	- Analyze and debate statistical arguments, such as those found in the daily press and scientific publications.			
Gr. 1 . W. 11 1/1				
	be in compliance with student's Learning Outcomes) Hours Doy/Week Total			
Activity	Hours Day/Week Total			
Lectures Theory/Leb World/Evenings	2 15 30			
Theory/ Lab Work/Exercises	2 15 30			
Practical Work	2 5 -			
Consultations with the teaher	1 1 6			

Field Work	_	-	-
Tests, seminar paper	-	-	-
Homework	2	10	20
Self-study (library or home)	2	10	20
Preparation for final exam	-	-	31
Assessment time (test, quizzes, final	3	3	9
exam)			
Projects, presentations, etc.	-	-	4
Total			150
Teaching Methods: - Assessment Methods:	focus on lect participation in presentations, of Students are ethe following to classroom how them in order important issue. The concepts through concreaver is a house of the students will which will the during exercise and in doing hand analytical entry, cleaning. Students will the during exercise and in doing hand analytical entry, cleaning. Students will the and also by a for assessment: Active participants - Practical semination - Practical semination - Practical semination - Test 1: 10%; Test 2: 10% Final exam and Criteria for passing the following in the semination - Test 2: 10% Final exam and Criteria for passing the following in the semination - Test 2: 10% Test 2: 10%	ures and interactive the learning process of various works preserved to resear applies beforehand in the stone develop interest to acquire faster are in statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the statistics. It to acquire faster are so in the stati	
Literatura	_		
Primary Literature:	Rahmije Must 2016	afa Topxhiu: HYRJI	E NË STATISTIKË, Prishtinë,
Additional Literature:		n, <i>Introductory Stati</i> . ns, 2010, USA,	stics, Seventh Edition, John
	(2013), Basi	c Statistics for Busin	rchal, Samuel A. Wathen, ness & Economics, Eighth ernational Edition, New

York.
3. David R. Anderson, Dennis J. Sweeney, Thomas A.
Williams, (2013), Statistika për biznes dhe ekonomik, UET
press, Tiranë.

	press, Tiranë.			
Designed	Designed teaching plan			
Week	Title of the Lecture (Book: HYRJE NË STATISTIKË- Introductory Statistics)	Pages		
Week 1:	Introduction to module, learning outcomes, teaching and learning, and assessment			
Week 2:	CHAPTER 1. THE IMPORTANCE OF STATISTICS	19-61		
	1.2 What do we mean by Statistics?			
	1.3 Types of Statistics			
	1.4 Key concepts in statistical analysis			
	1.6 Data Collection and Statistical Data Sources			
	1.7 A short history about statistics			
	1.8 Using softwears in statistics			
Week 3:	CHAPTER 2: SUMARIZING DATA - FREQUENCY DISTRIBUTION AND GRAPHIC PRESENTATION	67-98		
	2.3 Organizing (grouping) and graphic presentation of qualitative data			
	2.4 Organizing (grouping) and graphic presentation of numerical data			
Week 4::	CHAPTER 2: SUMARIZING DATA - FREQUENCY DISTRIBUTION AND GRAPHIC PRESENTATION	98-110		
	2.5 Some other graphical data presentations			
	2.6 Cross-Tabs			
Week 5::	CHAPTER 3: Measures of Central Tendency	121-133		
	3.2 Measures of Central Tendency – importance and aplications			
	3.3 Arithmetic and geometric mean for ungrouped and grouped data.			
Week 6:	CHAPTER 3: MEASURES OF CENTRAL TENDENCY	133-142		
	3.5 Median, mode for ungruped and gruped data	144-152		
	3.7 Links between mean, median, and mode.			
Week 7:	CHAPTER 4: MEASURES OF DISPERSION AND SKEWNESS	153-168		
	4.2 Why variation or distribution should be studied?			
	4.3 Measures of Dispersion and Skewness of ungrouped and groped data			
	(standard deviation and variance, range, coefficient of variation, coefficient of skewness, etc)			
Week 8:	CHAPTER 4: MEASURES OF DISPERSION AND OTHER DATA DESCRIPTION INDICATORS	169-195		
	4.5 Other measures related to data (Z-Score, Empirical rule)			
	4.6 Other descriptive statistics (qurtile, percentile, interquartile range, Box			
	plot)			
	4.7 Use of "Descriptive Statistics" in Excel			
Week 9:	FIRST COLLOQUIM			
Week	CHAPTER 13: INDEX NUMBERS	559-578		
10:	13.2 Understanding Indexes			
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	13.3 Simple index numbers, construction of index numbers, Unweighted	
	indexes, etc).	
	13.4 Individual and aggregate price indices	
Week	Chapter 13: INDEX NUMBERS	578-597
11:	13.5 Aggregate quantity and value indices	
	13.6 Some special forms of aggregate indexes and their application	
Week	CHAPTER 12: SIMPLE REGRESSION ANALYSIS	497-520
12:	12.3 Simple linear regression model	
	12.4 Estimation of the regression model: The Ordinary least squares principle,	
	etc.	
Week	CHAPTER 12: SIMPLE CORRELATION ANALYSIS	521-526
<i>13</i> :		549-558
Week	CHAPTER 14: AN INTRODUCTION TO THE TIME SERIES ANALYSIS	597-625
14:	14.2 Components of time series.	
	14.3 Trend and forecast estimation with the linear trend method.	
Week		
15:	SECOND QOLLOQUIM	

Academic Policies and Code of Conduct

We start and finish class on time.

Tools used during class must be cleaned and stored away at the end of class.

Mobile/smart phones, and other electronic devices (e.g. iPods) must be turned off (or on vibrate) and hidden from view during class time.

Laptop and tablet computers are allowed for quiet use only; other activities such as checking personal e-mail or browsing the Internet are prohibited.