

## Course Title : Statistics for Social Sciences

Code	Course Type	Regular Semester	Lecture (hours/week)	Seminar (hours/week)	Lab (hours/week)	Credits	ECTS
SOC 202	A	4	3	0	0	3.00	5
<b>Lecturer and Office Hours</b>			Besa Shahini, Prof. Asoc. Dr.				
<b>Teaching Assistant and Office Hours</b>							
<b>Language</b>			Albanian				
<b>Course Level</b>			Bachelor				
<b>Description</b>			This module aims to give students the basic knowledge in statistics and to help them in a properly usage of the statistical concepts and techniques correlated with other courses and practice work they are undertaking. The course is focused in a combination of theoretical aspects with the practical ones, trying to improve students' capacity in implementing efficient use of statistical analysis. This module addresses the basic concepts of statistics which serve as a support point for the recognition and use of other statistical concepts that are based on them.				
<b>Objectives</b>			The course aims to provide students: 1. the opportunity to understand the importance of statistics for social sciences 2. the ability to efficiently apply the statistical methods in different situations in the social sciences 3. the knowledge on how to gather, organize, process, analyze and interpret the data. 4. the capacity to identify appropriate statistical techniques for data analysis in the field of social sciences.				

## Course Outline

Week	Topics
1	Data, measurement and statistics.
2	Descriptive statistics, tabular and graphical methods
3	Localization and variation indicators
4	Introduction in probability
5	Probability distributions of discrete random variables.
6	Probability distribution of continues variables.
7	Sampling, Sampling distribution and confidence interval
8	Midterm Exam
9	Hypotheses testing for the population mean and proportion.
10	Hypotheses testing for 2 population means and proportions.
11	Hypotheses testing for the variance population
12	Good and fit test
13	Analyze of Variance
14	Simple linear regression and correlation.
15	Multiple linera regression
16	Final Exam
<b>Prerequisites</b>	
<b>Textbook</b>	<ul style="list-style-type: none"> <li>• "Questionnaire Design, Interviewing and Attitude Measurement" ,1999, Oppenheim A. N., - Pinter Pub Ltd</li> <li>• " Statistika" Fakulteti i Ekonomise, Ut, grup Autoresh , 2012</li> <li>• "Statistical methods for Social Sciences" , 2009, Alan Agresti, Barbara Finlay</li> </ul>

<b>Other References</b>			
<b>Laboratory Work</b>			
<b>Computer Usage</b>			
<b>Other</b>			
<b>Learning Outcomes and Competences</b>			
<b>1</b>	Good knowledge in statistical concepts and techniques		
<b>2</b>	Capable to apply statistical modeling in social sciences		
<b>3</b>	Capable to analyze and interpret the results of statistical output.		
<b>Course Evaluation Methods</b>			
<b>In-term studies</b>		<b>Quantity</b>	<b>Percentage</b>
Midterms		1	20
Quizzes		4	20
Projects		0	0
Term Projects		0	0
Laboratory		0	0
Attendance		1	10
<b>Contribution of in-term studies to overall grade</b>			<b>50</b>
<b>Contribution of final examination to overall grade</b>			<b>50</b>
<b>Total</b>			100
<b>ECTS (Allocated Based on Student) Workload</b>			
<b>Activities</b>	<b>Quantity</b>	<b>Duration (hours)</b>	<b>Total Workload (hours)</b>
Course Duration (Including the exam week : 16 x Total course hours)	16	3	48
Hours for off-the-classroom study (Pre-study, practice)	14	4	56
Assignments	0	0	0
Midterms	1	9	9
Final examination	1	12	12
Other	0	0	0
<b>Total Work Load</b>			<b>125</b>
<b>Total Work Load / 25 (hours)</b>			<b>5</b>
<b>ECTS</b>			<b>5</b>