

**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>			Edlira Mali, Msc				
<b>Teaching Assistant and Office Hours</b>			Norga Sulo, Msc				
<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 to 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 proportions
10	Hypotheses testing for 2 population means and proportions
11	Hypotheses testing for the population variance
12	Good and fit test
13	Analyze of Variance
14	Simple linear regression and correlation
15	Multiple linear regression
16	Final Exam
<b>Prerequisites</b>	
<b>Textbook</b> • Statistikat Sociale, William Fox, 2011	
<b>Other References</b> <ul style="list-style-type: none"> <li>• "Statistical methods for Social Sciences", Alan Agresti, Barbara Finlay, 2009</li> <li>• "Statistika" Fakulteti i Ekonomise, UT, grup autoresh , 2012</li> <li>• "Basic Statistics for Business &amp; Economics</li> </ul>	

<b>Laboratory Work</b>			
<b>Computer Usage</b>			
<b>Other</b>			
<b>Learning Outcomes and Competences</b>			
<b>1</b>	Students will gain good knowledge of the statistical concepts and techniques.		
<b>2</b>	Students will obtain capability to apply the statistical modeling in social sciences.		
<b>3</b>	Students will be 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	30
Quizzes		8	32
Projects		0	0
Term Projects		0	0
Laboratory		0	0
Attendance		1	8
<b>Contribution of in-term studies to overall grade</b>			<b>70</b>
<b>Contribution of final examination to overall grade</b>			<b>30</b>
<b>Total</b>			<b>100</b>
<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>