

Course Title	Business Statistics				
Course Code	AEF105				
Course Type	Compulsory				
Level	Bachelor (1 <sup>st</sup> Cycle)				
Year / Semester	2 <sup>nd</sup> Year / 2 <sup>nd</sup> Semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 Hours / 14 weeks	Laboratories / week	None
Course Purpose and Objectives	The course will provide the student with an understanding of business statistical tools and methods. Specifically, students will learn to describe data with descriptive statistics, to perform statistical analyses, to interpret the results of statistical analyses and to make inferences about the population.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain basic statistical concepts such as statistical collection, species characteristics, statistical series, tabular and graphical representation of data, measures of central tendency, dispersion and asymmetry, correlation and regression analysis.</li> <li>• Apply knowledge to solve simple tasks using computer (MS Excel).</li> <li>• Independently calculate basic statistical parameters (mean, measures of dispersion, correlation coefficient, indexes).</li> <li>• Interpret the meaning of the calculated statistical indicators.</li> <li>• Select and apply the appropriate statistical method for solving practical problems.</li> </ul>				
Prerequisites	None		Co-requisites	None	
Course Content	What is Statistics?; Graphical and Tabular Descriptive Techniques; Numerical Descriptive Techniques; Probability; Random variables and Discrete Probability Distributions; Continuous Probability Distributions; Sampling Distributions; Introduction to Estimation; Introduction to Hypothesis Testing; Inference about a Population; Inference about Comparing Two Populations; Analysis of Variance; Chi-Squared Test; Simple Linear Regression and Correlation.				
Teaching Methodology	Face-to-face				

Bibliography	<p>Gerald Keller and Brial Warrack: STATISTICS for Management and Economics, Duxbury Press (latest edition).</p> <p>Paul Newbold: Statistics for Business and Economics, Prentice Hall (latest edition).</p> <p>Mark Berenson and David Levine: Basic Business Statistics, Prentice Hall (latest edition).</p> <p>Jame McClave, George Benson and Terry Sincich: A first course in Business Statistics Prentice Hall (latest edition).</p>		
Assessment	<p>Examinations</p> <p>Class Participation and Attendance</p> <p>Assignments</p>	<p>70%</p> <p>10%</p> <p>20%</p> <p>100%</p>	
Language	English		