EDUTUS FŐISKOLA Erasmus+

SUBJECT SYLLABUS

Name of Subject:	**Applied Statistics**	**Subject Code:**	**ERN-0-0063T**
Subject Type:	compulsory		
No. of Lessons:	2+2	**Credit Point:**	5
Recommended no. of Semesters:	4	**Division:**	full time/correspondence
Course/Specialty:			
Requirement(s):			
Supervisor:	Mag. Piroska László (Mr)		
Instructor(s):	Mag. Piroska László (Mr)		
Department:	Department of Methodology of Applied Sciences		
Purpose of the Subject:	Students must become familiar with methods of complex statistical analysis suitable for the description of interrelations among economic phenomena, theoretical and practical problems of statistical inference methods, methods of acceptance or rejection of hypotheses relating to a statistical population as well as ways of exploration and forecast of tendencies in time series. It prepares for understanding and use of methods appearing in professional subjects.		
Short Introduction on Course:	Students must acquire the knowledge of simple statistical methods necessary to the measurement of company management and analysis of activities. They must become familiar also with theoretical and practical problems of index calculation. Students must become familiar with Hypothesis testing, simple linear regression model and forecast of tendencies in time series.		
Competences which can be developed by the Subject:	Improving solving statistical exercises, explaining the main important statistical parameters and developing a fundamental knowledge in order to use statistical methods in different areas such as economics and marketing.		
Topics of the Course: Descriptive Statistics Inferential Statistics	Statistical population and attribute. Different types of ratio (distribution, coordination, dynamic, intensity ratio). Graphical representation of temporal sequences. Dynamic ratios. Analysis of temporal sequences by means. Measures of location. Measures of dispersion. Analysis of relationship. Association. Value, price and quantity indices Linear correlation and regression Linear and exponential trends		
Training Methods:	Lectures will be supported by ppts. Seminar: Students will be dealing with the practical exercises and making interpretations of the well known statistical parameters on the seminars. The exercises relate to the theoretical syllabus.		

Method of Performance Evaluation, Scores and Grades:	Admission is based on a regular attendance at classes and a minimum total score of 60 points from the two midterm tests. Grade limits: 0-59 fail (1) 60-69 pass (2) 70-79 satisfactory (3) 80-89 good (4) 90-100 excellent(5)
Compulsory Bibliography:	Author: David R. Anderson; Dennis J. Sweeney; Thomas A. Williams Title: Essentials Statistics for Business and Economics Publisher: South-Western College Publishing Year of the issue: 2000 ISBN: 0-324-00328-5
Selected Bibliography:	1. Neil J. Salkind: Statistics for People Who Hate Statistics