



Меѓународен Универзитет Визион - International Vision University
 Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
STATISTICS FOR BUSINESS AND ECONOMICS	2004	2	180	6

Prerequisite(s)	None
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Course Language	Turkish
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	Meeting: Consultancy:

Course Objectives	The main objective of the course is to give the student an elementary introduction to the practice of statistics. This course will give insight into how an analyst gathers, summarizes, and draws conclusions from economical or business data. At the end of the course, the student should be a critical consumer of this information.
Course Learning Outcomes	<ul style="list-style-type: none"> To be able to understand the relation of science and statistics To be able to use measures of central tendency and variation To be able to present frequencies with graphs To be able to classify variables with regard to their features To be able to identify the shape of the distribution by using the measures of central tendency To be able to define the basic concepts of statistics To be able to show the relations between distributions
Course Contents	This course includes: Introduction to statistics, Gathering data, Measures of central tendency, Measures of variation and asymmetry, Bowley and Pearson asymmetry measures, Permutation, combination, Probability theorems.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to statistics, basic concepts, statistic, population, parameter, variable, data	Related Chapters of Course Sources
2	Gathering data, classifying, graphical representations, frequency distributions, pie and bar charts, time series charts, scatter diagrams, histograms, frequency polygons.	Related Chapters of Course Sources
3	Measures of central tendency: mean, mode, median, geometric mean, harmonic mean, quartiles.	Related Chapters of Course Sources
4	Measures of variation and asymmetry: range, Standard deviation, variance, absolute deviation, men absolute deviation.	Related Chapters of Course Sources
5	Bowley and Pearson asymmetry measures.	Related Chapters of Course Sources
6	Permutation, combination	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Probability theorems, dependent/independent events, conditional probability, Bayes Theorem, discrete/continuous random variable, probability density function, expected value, moments.	Related Chapters of Course Sources
9	Discrete probability distributions	Related Chapters of Course Sources
10	Normal Distribution	Related Chapters of Course Sources
11	Central Limit Theorem	Related Chapters of Course Sources
12	Sampling distributions	Related Chapters of Course Sources
13	Properties of estimators	Related Chapters of Course Sources
14	Properties of estimators	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
Total Work Load			
ECTS		6	

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1	İşletme ve İktisat İçin İstatistik (Ekonomik Baskı)	Paul Newbold, Çev: Ümit Şenesen, Literatür - Ders kitapları, 2009
2	Statistics for Business and Economics	David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, Cengage Learning, 2010
3	Статистика	Глигор Поповски, Василка Попоска Тренеска, 2001

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1	İşletmelerde Uygulamalı İstatistik Sayısal Yöntemler-1	İsmail Hakkı Armutlulu, Alfa Yayınları-Ders Kitapları
2	Statistics for Business and Economics (12th Edition) 12th Edition	James T. McClave, P. George Benson, Terry T Sincich, Pearson Education, 2014
3	Статистика за бизнис и економија	Пол Њуболд, Вилијам Л.Карлсон, Бети Торн, (Преведувач од англиски јазик Весна Буцевска) Магор, Скопје 2010

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	17	%100

ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.