



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
INFERENCEAL STATISTICS	5010	3	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 aim of this course is to achieve the right results in scientific research in the field of social sciences, to learn the data collection, and to provide the transformation of the collected data into information and to teach how to use these in decision-making.
Course Learning Outcomes	In the end of this course students will learn: <ul style="list-style-type: none"> The decision-making process, numerical data about events that are affecting the accuracy of the decision and the importance of analyzing this data while evaluating the correctness of the decision.
Course Contents	The contents of this course are: The importance of statistics, the relationship between the various branches of science, statistics, data sources and data collection, organization, representation of shapes, measures of central tendency, variability, the curvature measurements and descriptive statistics.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Prediction theory	Related Chapters of Course Sources
2	Population mean and population mean the difference between the estimated range.	Related Chapters of Course Sources
3	Interval estimation of the difference between the rate of population and population rates.	Related Chapters of Course Sources
4	Sample size determination	Related Chapters of Course Sources
5	Hypothesis testing	Related Chapters of Course Sources
6	Populations of the parameters of a single hypothesis tests.	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Testing hypotheses about the parameters of two Populations.	Related Chapters of Course Sources
9	Chi-square test of conformity.	Related Chapters of Course Sources
10	Analysis of Variance	Related Chapters of Course Sources
11	Regression Analysis	Related Chapters of Course Sources
12	Correlation Analysis	Related Chapters of Course Sources
13	Multiple regression and correlation analysis.	Related Chapters of Course Sources
14	Interpolation	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	İstatistik-I-	Özer Serper, Ezgi Kitabevi, 2004.
2	Statistics a Tools for Social Research	Josefh F. Healey, 2002.
3	Статистика во педагогијата, интерен материјал	Ангеловска-Галевска, Н., Скопје, 2004

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1	Bilgisayar Uygulamalı İstatistik I	Necmi Gürsakal, Alfa Kitabevi, 2001
2	Theory and problems of elements statistics II Inferential Statistics	Stephen Bernstein, Ph.D; Ruth Bernstein, Ph.D; McGraw-Hill
3		

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