Antalya Bilim University
School of Business and Social Sciences
Business Administration Department
Statistics for Social Science Course Syllabus, Math 204

This course offers an introduction to statistics. We begin by introducing the basics of data, defining and collecting data then organizing and visualizing variables. We will learn how to construct and interpret certain descriptive statistics, such as the mean and the variance, that characterize the distribution of data. After covering some basic concepts in probability theory, we will introduce the idea of a random variable and the distribution of a random variable. Since the applied economist uses statistics on data, an important objective of the course is to provide the student with the ability to organize and investigate data using Microsoft Excel program.

Textbook: *Berenson M., D. Levine and K. Szabat, Basic Business Statistics Concepts and Applications, 13th.ed., Pearson, 2015.*
Reference: *McClave J.T., P.G. Benson and T. Sincich, Statistics for Business and Economics, 13th.ed., Pearson Education, 2018*

Developing Graduate Attributes
Students will be encouraged to develop the following graduate attributes by undertaking the course activities and mastering the course contents. These attributes will be assessed within the assessment tasks:
- *skills involved in scholarly enquiry;*
- *an in-depth engagement with the relevant disciplinary knowledge;*
- *the capacity for analytical and critical thinking;*
- *the ability to engage in independent and reflective learning.*

Academic Honesty

Any form of cheating or academic dishonesty is strictly forbidden in this class. If I find out that an exam turned into me is not the work of the sole person that has his/her name at the top of the page, I will issue a zero grade for the course, and the student may be subject to further disciplinary action.

Assessment Criteria:
Attendance & Participation (10%): Students are required to exhibit proper discipline, behavior, and responsibility.
Midterm (30%): Students are responsible for all class material covered until the midterm exam.
Quizzes (20%)
Final exam (40%): The exam is cumulative and will focus on all units and topics studied throughout the course, but more emphasis will be on the subjects after the midterm exam.

Grades will be determined using the following percentage scale

% Range	Grade
50% - 54%	D
55% - 59%	C-
60% - 64%	C
65% - 69%	C+

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70% - 74%	B-
75% - 79%	B
80% - 84%	B+
85% - 89%	A-
90% +	A

Course outlines	
Week	*TOPIC*
1	*Introduction, Statistics in Business, Tourism, etc. Basic Statistical Concepts. Using Ms. Excel.*
2	*Defining and Collecting Data, Ch. 1, p. 41-49. Using Excel.*
3	*Defining and Collecting Data, Ch. 1, p. 50-59.* *Case study: Clear Mountain State Student Surveys* *Using Excel.*
4	*Organizing and Visualizing Variables. Ch.2, p. 64-74, Using Excel*
5	*Organizing and Visualizing Variables. Ch.2, p. 75-111, Using Excel* *Case: Managing Ashland Multicomm Services*
6	*Numerical Descriptive Measures: Central Tendency, Variation and Shape. Using Excel.* *Ch. 3, p.129-141*
7	*Numerical Descriptive Measures: Central Tendency, Variation and Shape. Using Excel.* *Ch. 3, p.142-168* *Case Study*
8	**Midterm Exam**
9	*Basic Probability. Ch. 4, p. 179-197, Using Excel*
10	*The Normal Distribution and Other Continuous Distributions. Ch. 6, p. 247-265*
11	*Case Study*
12	*Fundamentals of Hypothesis Testing: One Sample Tests. Ch. 9*
13	*Fundamentals of Hypothesis Testing: One Sample Tests. Ch. 9*
14	*Case Studies.*
Usefull Websites	*https://media.pearsoncmg.com/intl/global/ema_ge_esm_berenson_bbs_13/bbs13e_student_download.html* *Visit the above website and download the Excel Data Files.* *You will find various resources for the course.*
Notes	• ***I reserve the right to make changes to the syllabus***

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