Yeditepe University
Department of Psychology

SPRING 2015 PSY 202.03
STATISTICS FOR SOCIAL SCIENCES II

Instructor : Yakup ARI , Ph.D.(c)
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Course webpage : http://www.math-stat.net/psy202.htm

Required Textbook: F. J. Gravetter and L. B. Wallnau (2013). Statistics for the Behavioral Sciences. 9th Edition. Thomson Wadsworth., New York. ISBN-13: 978-1-111-83955-0

General Course Description: This course will help the student develop a basic understanding of descriptive and inferential statistical techniques as they relate to the fields of psychology.

Course Objectives: The fundamentals of statistics, data organization, variables and the relations between variables, the formulation of hypothesis and hypothesis testing, probability and distributions, analysis of variance, Chi-Square, correlation, regression, and the selection of the appropriate statistical analysis method for testing a research theme.

Course Requirements : There will be four exams.

Exam 1	**(Ch. 8, 9)**	**20%**
Exam 2	**(Ch. 10, 11)**	**20%**
Exam 3	**(Ch. 12, 13, 14)**	**30%**
Exam 4	**(Ch. 15, 16, 17)**	**30%**

TENTATIVE SCHEDULE

Chapter	Topic
	Introduction to the course
8	*Introduction to Hypothesis Testing*
9	*Introduction to t Statistic*
10	*The t Test for Two Independent Samples*
11	*The t Test for Two Related Samples*
12	*Estimation*
13	*Introduction to Analysis of Variance (ANOVA)*
14	*Repeated- measures ANOVA*
15	*Two Factor ANOVA (Independent Samples)*
16	*Correlation and Regression*
17	*The Chi-Square Statistic: Tests for Goodness of Fit and Independence*

PLEASE NOTE THAT THE UNIVERSITY RULES REQUIRE 80 % ATTENDANCE IN ALL COURSES. PARTICIPATION IN THE CLASS IS IMPORTANT.