

COURSE INFORMATION FORM	
Faculty / Institute	Faculty of Science and Literature
Department	Psychology
Course Code	PSİ 204
Course title	Statistics for Psychology II
Instructional Language	English
Programs that can take the course	Psychology
Course Type	Must
Course Level	Undergraduate
ECTS Credit	7
Prerequisites	PSİ 203 - Statistics for Psychology I
Course Content	This is the second course on the statistics in psychology. The course will begin with the revision of the concept of inferential statistics and hypothesis testing. Then the topics of z-test, one-sample t-test, two-sample t-test, one-way Analysis of Variance (ANOVA), and factorial ANOVA will be covered. During lectures, students will learn statistical concepts. At the labs they will strengthen your knowledge with problem solving exercises, build a muscle memory for APA style and they will learn about the JAPS software.
The Aim of the Course	The aim of this course is to provide knowledge and skills about statistical methods used to generate and test hypotheses in the research context of the psychology. In addition, it is among the objectives of this course to convey the latest reporting methods on how these analyzes can be reported.
Course Outcomes	At the end of this course, students will be able to conduct and report statistical analyses relevant to experimental psychological research.
Textbook and / or References	Heiman, G. W. (2006). <i>Basic statistics for the behavioral sciences</i> (5th ed.). Wadsworth Publishing

Evaluation Criteria	Percentage
Attendance	-
Lab	-
Application	-
Field Study	-
Homework	15%
Presentations	-
Projects	15% (Term paper)

Seminar	-
Midterm Exams	25%
Quiz	10% (Attendance with in class quizzes)
Final	35%
Total	100%

Course Plan	Subjects to Be Discussed
1. Week	Lecture: Review of PSI 203 Topics Lab: Review of PSI 203 Topics
2. Week	Lecture: Review of PSI 203 Topics Lab: Review of PSI 203 Topics
3. Week	Lecture: Review of PSI 203 Topics Lab: Review of PSI 203 Topics
4. Week	Lecture: Hypothesis Testing Lab: Hypothesis Testing
5. Week	Lecture: Hypothesis Testing Lab: Hypothesis Testing
6. Week	Lecture: One sample t-tests Lab: One sample t-test
7. Week	Lecture: One sample t-tests - Two sample t-tests Lab: One sample t-test
8. Week	Lecture: Two sample t-tests Lab: Two sample t-tests
9. Week	Lecture: One-way ANOVA + HW1 (t-tests) Lab: Two sample t-tests
10. Week	Lecture: One-way ANOVA – Two-way ANOVA + HW2 (One-way ANOVA) Lab: One-way & two-way ANOVA
11. Week	Lecture: Two-way ANOVA Lab: One-way & two-way ANOVA
12. Week	Lecture: Two-way ANOVA + HW3 (Two-way ANOVA) Lab: One-way & two-way ANOVA