

ÇAĞ UNIVERSITY
FACULTY OF ART AND SCIENCE
PSYCHOLOGY DEPARTMENT

| | | | |
|---------------------------------|--|-------------------------|--|
| Code | Course Title | Credit | ECTS |
| PSY 260 | Research Methods II | (3-0-)3 | 5 |
| Prerequisites | Statistic II | | |
| Language of Instruction | English | Mode of Delivery | Face to face |
| Type and Level of Course | Compulsory/2.Year/Spring Semester | | |
| Lecturers | Name(s) | Lecture Hours | Office Hours |
| Course Coordinator | Assist. Prof. Dr. Sena Doğruyol | | senadogruyol@cag.edu.tr |

Others

Course Objective Course aims to provide students a familiarity with and understanding of various research methods in the behavioral sciences so that they can conduct their own research, understand the strengths and limitations of research methods, critically evaluate information about human behavior presented in both professional journals and the popular media, and develop proficiency in professional scientific writing.

| Learning Outcomes of the Course | | Students who have completed the course successfully should be able to | Relationship | |
|---------------------------------|---|--|---------------|---------------|
| | | | Prog. Output | Net Effect |
| | 1 | Explain the theoretical foundations and rationale of psychological experimentation. | 5 | 5 |
| | 2 | Evaluate the adequacy of others' research findings as presented in scientific and popular media sources. | 5 & 7 & 8 | 5 & 4 & 4 |
| | 3 | Develop an operationally defined hypothesis. | 5 & 7 | 5 & 4 |
| | 4 | Design an experimental research study, and collect and analyze data. | 2 & 5 & 7 & 8 | 4 & 5 & 4 & 4 |
| | 5 | Write persuasively, and in APA format, about psychological research. | 2 & 5 & 7 & 9 | 4 & 5 & 4 & 4 |
| | 6 | Apply the ethical demands of research and clearly and effectively present research to the others. | 5 & 7 | 5 & 4 |

Course Description: This course is an introduction to experimental method and its application to psychological research. The main purpose of this course is on fundamentals of scientific thinking, basics of theory developments and hypothesis testing, and reframing nature and social events in a scientific perspective. Thus, students are going to have an opportunity to develop necessary skills to conduct their own psychological research, test their own hypothesis and report their findings in APA style.

Course Contents: (Weekly Lecture Plan)

| Weeks | Topics | Preparation | Teaching Methods |
|-------|-------------------------------------|-------------|------------------------------|
| 1 | Introduction | none | Lectures |
| 2 | Single Factor Designs | | Presentation & Demonstration |
| 3 | Control in Single Factor Designs | | Presentation & Demonstration |
| 4 | Factorial Designs | | Presentation & Demonstration |
| 5 | Varieties of Factorial Designs | | Presentation & Demonstration |
| 6 | Research Findings and SPSS | | Presentation & Demonstration |
| 7 | Criticizing a Research Paper - SPSS | | Presentation & Demonstration |
| 8 | Quasi-Experimental Designs | | |
| 9 | Midterm Exam | | Presentation & Demonstration |
| 10 | Midterm Exam | | Presentation & Demonstration |
| 11 | Student Presentations | | Presentation & Demonstration |
| 12 | Student Presentations | | Presentation & Demonstration |
| 13 | Student Presentations | | Presentation & Demonstration |
| 14 | Student Presentations | | Presentation & Demonstration |
| 15 | Final Exam | | |

REFERENCES

Textbook Shaughnessy, J. J., Zechmeister, E. B., & Zechmeister, J. S. (2000). *Research methods in psychology*. McGraw-Hill.

Course Notes

Recommended Reading Goodwin, C. James (2010). *Research in Psychology: Methods and Design*. New York: John Wiley & Sons American Psychological Association. **Publication Manual of the American Psychological Association (5th Edition)**. Washington DC 2001

Material Sharing**ASSESSMENT METHODS**

| Activities | Number | Effect | Notes |
|--------------|--------|--------|-------|
| Midterm Exam | 1 | 40% | |
| Final Exam | 1 | 60% | |

ECTS TABLE

| Contents | Number | Hours | Total |
|---------------------|--------|-------|-------|
| Hours in Classroom | 14 | 3 | 42 |
| Hours out Classroom | 14 | 3 | 42 |
| Homeworks | 1 | 4 | 4 |
| Observation Study | 1 | 15 | 15 |
| Midterm Exam | 1 | 12 | 12 |
| Fieldwork | 1 | 15 | 15 |
| Final Exam | 1 | 20 | 20 |

| | |
|-------------|-----------|
| Total | 150 |
| Total / 30 | =150/30=5 |
| ECTS Credit | 5 |

RECENT PERFORMANCE