



Course Syllabus

Course Code	Course Title	ECTS Credits
PSY-395	Experimental Psychology	6
Prerequisites	Department	Semester
PSY-285, PSY-351	Social Sciences	Spring
Type of Course	Field	Language of Instruction
Required	Psychology	English/Greek
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Dr Maria M. Hadjimarkou	3 rd
Mode of Delivery	Work Placement	Co-requisites
Face-to-Face	N/A	None

Course Objectives:

The main objectives of the course are to:

- Review and build upon knowledge and skills developed in earlier courses, particularly in Research Methods and Statistics in Psychology. It will continue exposing students to the study of scientific methods particularly to experimental techniques in the behavioral sciences. This course is indented to examine fundamentals of the experimental method in psychology. It provides first-hand laboratory experience. Students participate in the design of experiments and the collection, analysis, and interpretation of data and report writing.

Utility in the Curriculum: This class forms part of the department's core teaching in "Experimental practice" and 'Methodological & statistical practice' for the purposes of Europsy recognition of the degree.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Review and improve their understanding of scientific method, experimental procedures, and basic statistics
2. Learn how to use this knowledge in order to design and conduct basic experiments to address psychological questions using appropriate design and statistical analyses.
3. Use critical thinking effectively for interpretation of the research findings.

4. Follow the code of Ethics in the treatment of human and nonhuman participants in the design, data collection, interpretation, and reporting of psychological research.
5. Demonstrate effective writing skills and oral communication skills related to the experimental method.
6. Identify threats to internal validity and external validity
7. Identify the differences between pseudo, quasi and true experimental designs
8. Write an original research paper using APA style

Course Content:

1. Introduction to the basic principles of experimental psychology
2. Development of a good research idea
3. The scientific method in psychology
4. Variables and Control
5. Other variables and confounding
6. Internal and external validity
7. Statistical methods and analysis of experiments
8. Experiments with two or more groups
9. Experiments with multiple independent variables
10. Alternative research designs
11. Writing a manuscript according to the APA style

Learning Activities and Teaching Methods:

Lectures, Practical Exercises and Assignments.

Assessment Methods:

Attendance and Participation, Assignments, Research Project

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
The Psychologist as Detective	Smith, R.A. & Davis, D.F.	Pearson	2012	978-020-5861-798
SPSS Survival Manual	Pallant, J.	Open University Press.	2008	0-335-22366-4
Publication Manual of the American Psychological Association(6th Edition)	American Psychological Association	American Psychological Association	2009	978-1-4338-0561-5