



**University of Nicosia, Cyprus**

<b>Course Code</b> PSY-395	<b>Course Title</b> Experimental Psychology	<b>ECTS Credits</b> 6
<b>Department</b> Social Sciences	<b>Semester</b> Spring	<b>Prerequisites</b> PSY-110, PSY-111, PSY- 310, PSY-350
<b>Type of Course</b> Required	<b>Field</b> Psychology	<b>Language of Instruction</b> English
<b>Level of Course</b> 1 <sup>st</sup> Cycle	<b>Year of Study</b> 3 <sup>rd</sup>	<b>Lecturer(s)</b> Dr Xenia Hadjicharalambous
<b>Mode of Delivery</b> face-to-face	<b>Work Placement</b> N/A	<b>Co-requisites</b> None

*Objectives of the Course:*

This course will 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:**

Upon completion of this course students are expected 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 Contents:*

- 1. Overview of Basic Principles in Experimental Psychology
- 2. Anatomy of Experimental Psychology: Design and Strategies
- 3. Factorial Designs, Quasi-Experimental Designs, and other Advanced Design Techniques
- 4. Anatomy of Experimental Psychology: Control
- 5. Control of Subject Variables
- 6. Ethics of Experimental Research
- 7. Writing the Research Report

*Learning Activities and Teaching Methods:*

Interactive Lectures, Lab Presentations, Lab Tutorials, Practical Exercises

*Assessment Methods:*

Practical Portfolio, Research Project Report, Final Exam.

*Required Textbooks/Reading:*

<b>Authors</b>	<b>Title</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
MacLin, K & Solso, R.L.	Experimental Psychology: A Case Approach (8th Edition)	Allyn & Bacon McGraw Hill	2009	

*Recommended Textbooks/Reading:*

<b>Authors</b>	<b>Title</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
Pallant, J.	SPSS Survival Manual.	Open University Press.	2008	
American Psychological Association	Publication Manual of the American Psychological Association(4 <sup>th</sup> Edition)	American Psychological Association	2007	