



## Course Syllabus

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS Credits</b>
PSY-395	Experimental Psychology	6
<b>Prerequisites</b>	<b>Department</b>	<b>Semester</b>
PSY-245, PSY-295	Social Sciences	Spring
<b>Type of Course</b>	<b>Field</b>	<b>Language of Instruction</b>
Required	Psychology	English
<b>Level of Course</b>	<b>Lecturer(s)</b>	<b>Year of Study</b>
1 <sup>st</sup> Cycle	Dr Menelaos Apostolou	3 <sup>rd</sup>
<b>Mode of Delivery</b>	<b>Work Placement</b>	<b>Co-requisites</b>
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

**Course Content:**

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

**Learning Activities and Teaching Methods:**

Lectures, Critical Reviews, Lab Tutorials, Practical Exercises and Assignments.

**Assessment Methods:**

Attendance and Participation, Critical Reviews, Statistical Assignments, Research Protocol

**Required Textbooks / Readings:**

Title	Author(s)	Publisher	Year	ISBN
An Introduction to Statistics and Research Methods: Becoming a Psychological Detective	Davis, D.F. & Smith R. A.	Pearson	2020	978-0131505117

SPSS Survival Manual (7 <sup>th</sup> Edition)	Pallant, J.	Open University Press	2020	978-0335249497
Publication Manual of the American Psychological Association (7 <sup>th</sup> Edition)	American Psychological Association	American Psychological Association	2019	978-1-4338-0561-5