



## Course Syllabus

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS Credits</b>
PSYD-350	Experimental Psychology and Research Experience	10
<b>Prerequisites</b>	<b>Department</b>	<b>Semester</b>
PSYD-230	Social Sciences	Spring
<b>Type of Course</b>	<b>Field</b>	<b>Language of Instruction</b>
Compulsory	Psychology	English
<b>Level of Course</b>	<b>Lecturer(s)</b>	<b>Year of Study</b>
1 <sup>st</sup> Cycle	Ioulia Papageorgi	3 <sup>rd</sup>
<b>Mode of Delivery</b>	<b>Work Placement</b>	<b>Corequisites</b>
Distance Learning	None	None

### Course Objectives:

This course will review and build upon knowledge and skills developed in Research Methods and Statistics. It will continue exposing students to the study of scientific methods. It is designated to offer advanced psychology students hands-on experience in doing psychological research including experimental techniques. Students participate in the design of the study 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:

- Review and improve their understanding of scientific method, experimental procedures and statistics.
- Be able to apply the key characteristics of research design
- Be efficient in statistical skills for the analysis of data obtained in psychological research
- Be able to develop a testable research question from an important topic.
- Develop a deep understanding of what makes research "valid" or "invalid".
- Develop an understanding of how to identify and control threats to research validity.
- Be able to choose among alternative research designs
- Be able to identify what assists in making research "reliable" or "unreliable"?

- Expand on the use the SPSS computer programs for the statistical analyses of the data produced.
- Be able to write a research report in APA style.
- Be able to identify and deal with the major ethical dilemmas that a researcher faces.

**Course Content:**

1. The Role and Importance of Research
2. The Research Process
3. (a) Selecting a Problem and Reviewing the Research  
(b) The Importance of Practising Ethics in Research
4. Sampling and Generasability
5. Measurement, Reliability and Validity
6. Methods of Measuring Behavior
7. Data collection and Despreptive Statistics
8. Introducing Inferential Statistics
9. Non-Experimental Research: Descriptive and Correlational Methods
10. Non-experimental Research: Qualitative Methods
11. Pre – and True Experimental Research
12. Quasi-Experimental Research
13. (a) Writing a Research Proposal  
(b)Writing a Research Manuscript

**Learning Activities and Teaching Methods:**

Online Presentations, Online Forum Discussions, Online Webex Tutorials, Assignments and Research Report

**Assessment Methods:**

Practical Portfolio, Research Proposal, Project, Final Exam.

**Required Textbooks / Readings:**

Title	Author(s)	Publisher	Year	ISBN
Research Methods: A Process of Inquiry	Graziano, A. & Raulin, M.	Allyn & Bacon McGraw	2016	-

Publication Manual of the American Psychological Association	American Psychological Association	American Psychological Association	2010	-
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**Recommended Textbooks / Reading:**

<b>Title</b>	<b>Author(s)</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
SPSS Survival Manual	Pallant, J.	Open University Press	2016	-