COURSE OUTLINE

1. GENERAL

SCHOOL	SOCIAL SCIENCES
DEPARTMENT	PSYCHOLOGY
LEVEL	*Undergraduate*

COURSE CODE	**Ψ-4105**	**SEMESTER**	5ο

COURSE TITLE	**Online research in Memory**
INSTRUCTOR	**Elias Economou**
FIELD	**Assistant Professor in Cognitive Psychology**

TEACHING ACTIVITIES	WEEKLY HOURS	ECTS
Lectures, Lab Work, Hands on training in experimental design, running, analysis.	**3**	**6**

COURSE TYPE	Skills Development (Laboratory)
PREREQUISITE COURSES:	Methods 1
INSTRUCTION/EXAM LANGUAGE:	English
OFFERED TO ERASMUS STUDENTS	YES
COURSE WEB PAGE (URL)	https://elearn.uoc.gr/course/

2. LEARNING OUTCOMES

Learning Outcomes
The Lab is designed to train students in experimental techniques used to study Long and Short Term Memory, such as free recall, recognition, serial recall, pair associate recall, and how those experiments can be conducted online. Students are trained in experimental design, stimuli design, running the experiment, analyzing data and presenting them in a concise manner. At the end of the course students should be able to: - Critically read research papers - Design a factorial experiment - Using Jamovi to analyze their data - Using online tools for running their experiments - Prepare and submit an Ethics Approval Form - Prepare a Lab Report - Present their results in the form used in scientific conferences
General Competences

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Data analysis
- Independent work
- Team work
- Producing research ideas
- Designing and running experiments
- Respect for individual differences and different cultures
- Production of free, creative and inductive thinking

3. COURSE CONTENT

1. Lab Intro
2. Basic Experimental Methodology
3. Searching for a research topic on Memory
4. Design
5. Ethics
6. Special concerns/characteristics with online experiments
7. Data analysis
8. Graphs
9. Research Report
10. Presentation in the form of a scientific conference

4. INSTRUCTIONAL AND LEARNING METHODS - EVALUATION

INSTRUCTION METHOD	Online using a live platform		
INFORMATION AND COMMUNICATION TECHNOLOGIES USED	Use of ICT in teaching Support for learning through the E-learn online platform		
TEACHING ORGANIZATION	*Activity*	*Semester Work Load*	*ECTS credits*
	Lectures	36	1,44
	Individual study and experiment preparation	45	1,80
	Running the Experiment	45	1,80
	Data analysis and Final Presentation	30	1,20

	Course Total	156	6,24
STUDENT EVALUATION	Evaluation is in Greek. - Conducting the experiment (40%) - Ethics Form (20%) - Data analysis and Presentation (20%) - Research report (20%)		

5. BIBLIOGRAPHY

Original research papers