LABORATORY EXERCISES ON MEMORY AND PERCEPTION

1. GENERAL

SCHOOL	SCHOOL OF SOCIAL SCIENCES		
ACADEMIC UNIT	PSYCHOLOGY		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE		**SEMESTER**	6th
COURSE TITLE	**LABORATORY EXERCISES ON MEMORY AND PERCEPTION**		
COURSE INSTRUCTOR	**Elias Economou** Assistant Professor of Cognitive Psychology		
INDEPENDENT TEACHING ACTIVITIES		**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures		**3**	**6**
COURSE TYPE	Skills development (Laboratory)		
PREREQUISITE COURSES:	Methodology of scientific research in social sciences I		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	https://elearn.uoc.gr/course/view.php?id=2789		

2. LEARNING OUTCOMES

Learning outcomes

The aim of the course is to train students in basic experimental techniques used to study central phenomena in Memory and Perception. 1-2 central themes/questions are selected (i.e. the effect of context on Memory/Perception) and studies are designed to test relevant hypotheses. Simple factorial designs are employed. Students are trained in designing the experiment, the stimuli, running the experiment and analyzing and presenting their data.

Upon successful completion of the course students are expected

- Critically study original research papers
- Design a simple factorial experiment
- Use Jamovi to analyze their data
- Use the Department's observer pool to recruit people for the experiment
- Construct and submit an ethics approval form
- Write up a Lab Report
- Present their findings in a scientific manner

General Competences

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making

- Working independently
- Team work
- Production of new research ideas
- Respect for difference and multiculturalism
- Criticism and self-criticism
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Production of free, creative and inductive thinking

3. SYLLABUS

- Introduction to the Lab, Research questions
- Elements of Experimental Methodology
- Theme/Question introduction
- Factorial design
- Data analysis
- Graphs
- Ethics in research
- Laboratory prep and experiment running
- Conference style presentation of findings

4. TEACHING and LEARNING METHODS - EVALUATION

<table>
<tr><td>DELIVERY.</td><td>Face-to-face</td></tr>
<tr><td>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</td><td>Lectures using ICT
Communication with students and delivery of all course material via the e-learn platform</td></tr>
<tr><td>TEACHING METHODS</td><td>
<table>
<tr><th>Activity</th><th>Semester workload</th><th>ECTS</th></tr>
<tr><td>Lectures</td><td>36</td><td>1,44</td></tr>
<tr><td>Individual study and experiment preparation</td><td>45</td><td>1,8</td></tr>
<tr><td>Lab setup and running</td><td>45</td><td>1,8</td></tr>
<tr><td>Data analysis and presentation</td><td>30</td><td>1,2</td></tr>
<tr><td>Course total</td><td>156</td><td>6,24</td></tr>
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<tr><td>STUDENT PERFORMANCE EVALUATION</td><td>Language of evaluation: Enlish.

I. Conducting the experiment (40%)
II. Ethics application (20%)
III. Analysis and Presentation (20%)</td></tr>
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	IV. Lab Report (20%)

5. ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*

  Varies according to the research question. Includes original research papers from international journals.