COURSE OUTLINE

1. GENERAL

SCHOOL	SOCIAL SCIENCES		
DEPARTMENT	PSYCHOLOGY		
LEVEL	Undergraduate		
COURSE CODE	ΨΧ4101	**SEMESTER**	
COURSE TITLE	Cognitive Psychopathology		
TEACHING ACTIVITIES		**WEEKLY HOURS**	**ECTS**
Workshops, Student Presentations, Practical Training in Research Design and Methodology, Laboratory Exercises		**3**	**6**
COURSE TYPE	Skill development (Lab)		
PREREQUISITES COURSES:	Research Methodology in the Social Sciences I, Statistics I, Ethics		
INSTRUCTION/EXAM LANGUAGE:	Greek		
OFFERED TO ERASMUS STUDENTS	No		
COURSE WEB PAGE (URL)	https://elearn.uoc.gr/user/view.php?id=30221&course=5786&showallcourses=1		

1. LEARNING OUTCOMES

Learning Outcomes
The Lab aims to introduce students to the wide range of experimental and psychometric approaches in the field of cognitive psychopathology, within the framework of Applied Cognitive Psychology, while also strengthening their analytical and methodological research skills. Researchers in cognitive psychopathology often use concepts and methods from Cognitive Experimental Psychology to study experimentally how specific cognitive characteristics, such as cognitive dysfunctions, cognitive biases, and dysfunctional beliefs, contribute to the development, relapse, and maintenance of particular cognitive, emotional, and behavioral dysfunctions. Within the Lab, emphasis is placed on theoretical and methodological issues in research across the following topics: early maladaptive schemas and psychopathology; attention and cognitive biases in the schizophrenia spectrum; stress vulnerability and psychopathology; personality disorders and cognitive schemas; cognitive biases and processing in narcissism; psychopathology, cognition, and other individual differences. The Lab offers students the opportunity to design an original experimental research study, including a full research protocol with experimental stimuli and study materials, and to submit a Research Proposal as if it were to be reviewed by the University's Ethics Committee. Study materials, such as experimental stimuli and equipment, psychometric measures, and rating scales, must either be newly

developed or adapted into Greek.

The Lab focuses primarily on the field of Research Methodology in Psychology, while also engaging with Cognitive Psychology, Individual Differences, Personality Theories, and courses related to mental health.

By the end of the Lab, students are expected to:

• Gain a deep understanding of the relationship between adult psychopathology and cognitive processes through different experimental designs
• Demonstrate critical understanding of the application and design of cognitive and experimental approaches in psychopathology
• Develop awareness of key ethical issues in cognitive psychopathology
• Demonstrate critical understanding of methodological limitations in cognitive psychopathology
• Develop reflective skills regarding group dynamics in the context of teamwork

General Competences

• Teamwork skills
• Independent work
• Adaptation to new situations
• Generation of new research ideas
• Constructive use of feedback from the research supervisor
• Project design and management
• Awareness of ethical issues
• Promotion of free, creative, and inductive thinking
• Search, analysis, and synthesis of data and information using the necessary technologies

2. COURSE CONTENT

The course's content is linked to the 5 main axes of the curriculum:

Scientific Foundations [1], Scientific Research and Critical Thinking [2], Ethical and Social Responsibility [3], Communication Ability [4], Basic Preparation for Career Decisions and Vocational Rehabilitation [5].

Week 1: Presentation by the instructor of the main themes of the Lab. Formation of working groups [1, 2, 3, 4, 5]

Week 2: Design of 2x2 experiments. Individual assignments and feedback [1, 2, 4]

Week 3: Formulation of hypotheses. Group assignments and feedback [1, 2, 4]

Week 4: Development of experimental materials [1, 2, 4, 5]

Week 5: Presentation of group assignments and feedback [1, 2, 4, 5]

Week 6: Presentation of individual assignments and feedback [1, 2, 4, 5]

Week 7: Presentation of group assignments and feedback [1, 2, 4, 5]

Week 8: Data collection for pilot study [1, 2, 3, 4, 5]

Week 9: Data analysis of pilot study [1, 2, 4]

Week 10: Presentation of results and feedback [1, 2, 4, 5]

Week 11: Presentation of results and feedback [1, 2, 4, 5]

Week 12: Writing of research protocol [1, 2, 4]

Week 13: Discussion and review. Reflective reporting methodology [1, 2, 3, 4]

Activities

• Workshops on research design in cognitive psychopathology: sample selection, control of confounding variables, validity scales, ethical issues

• Workshops on experimental research design: hypothesis testing, factorial designs, randomization, counterbalancing, sample selection, confounding variables in real-world settings, measures of validity and reliability, ecological validity, ethics

• Group exercises for the creation of new experimental stimuli and research tools. Adaptation and modification of experimental stimuli and tools into Greek.

3. INSTRUCTIONAL and LEARNING METHODS - EVALUATION

<table>
<tr><td>INSTRUCTION METHOD</td><td>in-class</td></tr>
<tr><td>INFORMATION AND COMMUNICATION TECHNOLOGIES USED</td><td>Support of the learning process through the e-learn electronic platform
Use of bibliographic resources
Use of software for data analysis and presentation
Use of software for the development of experimental materials and the conduct of experiments</td></tr>
<tr><td>TEACHING ORGANIZATION</td><td>
<table>
<tr><th>Activity</th><th>Semester workload (hours)</th><th>ECTS</th></tr>
<tr><td>Interactive teaching, Lectures, Supervision of assignments, and Laboratory exercises</td><td>39</td><td>1.56</td></tr>
<tr><td>Writing of assignment and reflective report</td><td>48</td><td>1.9</td></tr>
<tr><td>Study and implementation of research project</td><td>41</td><td>1.6</td></tr>
<tr><td>Preparation for presentations</td><td>20</td><td>0.8</td></tr>
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<tr><td>Total course (25 hours of workload per credit unit</td><td>148</td><td>6</td></tr>
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<tr><td>STUDENT EVALUATION</td><td>

Group assignment / research protocol: 10,000–15,000 words (60%)
Oral presentation in class, participation in discussions and laboratory activities, group and individual exercises (30%)
Reflective report on the group work process: 1,000–1,500 words (10%)

The assessment criteria are presented during the first session held in the laboratory and are posted on the course’s online page.
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4. BIBLIOGRAPHY

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