COURSE OUTLINE

1. GENERAL

SCHOOL	SCHOOL OF SOCIAL SCIENCES
ACADEMIC UNIT	PSYCHOLOGY
LEVEL OF STUDIES	Undergraduate

COURSE CODE	PSY-3401	**SEMESTER**	6th

COURSE TITLE	**NEUROPSYCHOLOGY**
COURSE INSTRUCTOR	**Stella Giakoumaki** Associate Professor of Clinical Neuropsychology

INDEPENDENT TEACHING ACTIVITIES	**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures, demonstration of neuropsychological tasks' administration, presentations of case studies	3	5

COURSE TYPE	Specialised general knowledge (Compulsory)
PREREQUISITE COURSES:	Physiology of Behaviour I
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES (Erasmus students have to study on their own but under the guidance of the instructor; exams are taken in English)
COURSE WEBSITE (URL)	https://elearn.uoc.gr/course/view.php?id=76 (Password required)

2. LEARNING OUTCOMES

Learning outcomes
The course focuses on a comprehensive introduction in the applied field of Neuropsychology. The content of the course aims to introduce students to the structural and functional organization of the Central Nervous System (CNS) and the review of syndromes/behaviours/symptoms after CNS damage.   Upon successful completion of the course, the students are expected to: • Have a general background on basic cognitive functions (e.g. memory, language, executive functions) and related theories.   • Understand the symptomatology produced after damage in different regions of the brain.   • Be able to formulate gross diagnostic impressions.   • Be familiar with the main/most common assessment methods of cognition in humans.   • Understand the role/profession of a neuropsychologist.
General Competences

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making
- Team work
- Respect for difference and multiculturalism
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Criticism and self-criticism

3. SYLLABUS

- Introduction in Neuropsychology
- Gross neuroanatomy and principles of function of the CNS
- Methodology of research and diagnosis in Neuropsychology
- Frontal lobes: neuroanatomy, functions and symptoms after damage
- Temporal lobes: neuroanatomy, functions and symptoms after damage
- Occipital lobes: neuroanatomy, functions and symptoms after damage
- Parietal lobes: neuroanatomy, functions and symptoms after damage
- Cerebral asymmetry
- Disconnection syndromes
- Memory and related disorders
- Language and related disorders
- Attention and consciousness
- Introduction in major neurological disorders
- Plasticity, recovery and rehabilitation of function
- Neuropsychological assessment

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Lectures using ICT Presentations of case studies Communication with students and delivery of all course material via the e-learn platform
TEACHING METHODS	(see table below)

Activity	Semester workload	ECTS
Lectures	39	1,56
Completion of projects in groups	25	1
Personal study	60	2,4
Course total	*124*	*4,96*

STUDENT PERFORMANCE	The exams are taken in Greek by the students of UoC and in

EVALUATION	English by the Erasmus students. I. Two written exams (one intermediate and one during the exams period): 80% II. Two assignments (completed either individually or in small groups): 20% The evaluation criteria are provided during the first lecture of the course and are constantly accessible to students via the website of the course.

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Giakoumaki, S.G. & Kastellakis, A.A. (editors of the Greek edition). *Fundamentals of Human Neuropsychology* (Authors: Kolb, B. & Whishaw, I.Q.). Gutenberg, 2018.

- Tsormpatsoudis, H. (editor of the Greek edition). *Human Neuropsychology* (Author: Martin G.N.). Ellin, 2011.

- Sherman, E.M.S., Tan, J.E.E., & Hrabok, M. (Editors). A compendium of neuropsychological tests: Fundamentals of neuropsychological assessment and test reviews for clinical practice. Oxford University Press, 2021.

- Schoenberg, M.R., & Scott, J.G. (Editors). The little black book of neuropsychology: A syndrome-based approach. Springer, 2016.

- Related academic journals:

- Neuropsychology
- Journal of Neuropsychology
- Archives of Clinical Neuropsychology
- Journal of the International Neuropsychological Society
- Neuropsychologia
- Neuroimage
- Neuropsychology Review