NEUROPSYCHOLOGY

1. GENERAL

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

COURSE CODE	Ψ-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 in 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 of a neuropsychologist in the appropriate therapeutic approaches of patients with related disorders.

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
- Research methodology in Neuropsychology
- Frontal lobes: neuroanatomy and functions
- Temporal and occipital lobes: neuroanatomy and functions
- Parietal lonbes: neuroanatomy and functions
- Cerebral asymmetry and 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	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 EVALUATION	The exams are taken in Greek by the students of the UoC and in English by the Erasmus students. I. Two written exams (one intermediate and one during the exams period): 80% II. Three projects (completed in groups): 20%

	The evaluation criteria are given during the first lecture of the course and are constantly accessible to students via the website of the course.

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Martin G.N. (2011). *Human Neuropsychology* (Greek edition, Editor: H. Tsormpatsoudis). Athens: Ellin Publications.

- Darby D., Walsh K. (2007). *Walsh's Neuropsychology: A clinical approach* (Greek edition, Editors: N. Kalfakis & K. Potagas). Athens: Parisianou Publications.

- Kolb, B., Whishaw, I.Q. (2015). *Fundamentals of human neuropsychology*. Worth Publishers.

- Johnstone, B., Stonnington H.H. (2006). *Rehabilitation of Neuropsychological Disorders* (Greek edition, Editors: L. Messinis & A. Kastellakis). Patras: Filomatheia Publications.

- Code, C., Wallesch, C.W., Joanette, Y., Lecours, A.R. (Eds). (2005). *Classic cases in neuropsychology*. Taylor & Francis.

- Related academic journals:

- Neuropsychology

- Journal of Neuropsychology

- Archives of Clinical Neuropsychology

- Journal of the International Neuropsychological Society

- Neuropsychologia

- Neuroimage

- Neuropsychology Review