UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Neuropsychology

Academic Year 2025/2026

## 1. Organic Unit

Institute of Psychology and Educational Sciences

## 2. Course

PSYCHOLOGY

## 3. Cycle

1st

## 4. Course Unit

Neuropsychology (20308)

## 5. Scientific Area

## 6. Curricular Year

1st

## 7. Type of Curricular Unit / Semester

2nd Semester



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## 8. Class type and workload (work time)

| | |
|---|---|
| Theoretical classes: | |
| Practical classes: | |
| Theoretical-Practical Classes | 30,00 |
| Tutorial Guidance: | |

## 9. ECTS Credits

6,00

## 10. Scientific Area Coordinator

## 11. Regent

Prof. Doutor MANUEL CARLOS DO ROSÁRIO DOMINGOS

## 12. Assistants

## 13. Teaching Language

Portuguese

## 14. General Objectives

This curricular unit aims to provide fundamental knowledge, which allows a multidisciplinary and interdisciplinary understanding of the correlations between brain dynamics and behavior, in a perspective of functional normality. On the other hand, it prepares students to approach the various dysfunctional processes that are the subject of Neuropsychopathology.

## 15. Specific Objectives

The Neuropsychology curricular unit has the specific objectives of learning the concepts that define this area of Psychology, its phenomenological intervention analysis methodologies, age ranges, historical framework, approach to the various aspects of human behavior from a neuropsychological perspective (complex nervous activity, conduct , emotions and personality) and their neuroanatomical-functional correlates.

## 16. Skills to be acquired

Students should acquire skills that allow them to analyze, correctly, in a localized way and in a network, the majority of neurobehavioral processes.

## 17. Teaching Methodology

The teaching of this curricular unit will be based on the expository method (theoretical), on the commented visualization of thematic DVDs, on the analysis of texts and on laboratory practice.



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## 18. Course Unit Program

1. Definition and Study Methodologies.

2. The Eclectic Character of Neuropsychology.

3. History of Neuropsychology.

4. Neuroanatomy-Functional of Cognitive-Operative Processes, Emotional Sphere and Personality. Critical Analysis of the Luria Model. The Issue of Hemispheric Asymmetry: General Principles and Variations. Notions of Neurochemistry of Behavior.

5. Study of Brain/Behavior Relations: Direct Observation and Laboratory Techniques.

6. Neuropsychological Processes:
6.1. Guidance
6.2. Attention
6.3. Memory
6.4. Language (Oral and Written)
6.5. Gnosias
6.6. praxes
6.7. Calculation
6.8. Prefrontal Activity
6.9. Hemi-Spatiality
6.10. Callous Functions
6.11. Emotional Sphere

7. Consciousness from the perspective of Neuropsychology. Sleep and Dream.

8. Introduction to Clinical Neuropsychology.

## 19. Assessment Methods

The evaluation will be based on the execution of two mini-tests, lasting 50 minutes each

## 20. Didactic Resources

Internet sites relating to Neuropsychology (eg Neuropsychological Central), Power Points, Videos, DVDs relating to Neuropsychology and related areas, and visits to the Neuropsychology Unit/CHPL.

## 21. Sustainability Objectives

Quality health

Quality education

Partnerships for the Implementation of the Objectives



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## 22. Keywords

Normal and pathological neuropsychology
Cognition
Behavior
Emotions
Personality
Brain

## 23. Main Bibliography

| | | | |
|---|---|---|---|
| Author(s): | Francis Eustache, Sylvane Faure, Béatrice Desgranges | | |
| Title: | Manuel de neuropsychologie | | |
| Edition: | 6ª | Year: | 2023 |
| Local: | Paris | | |
| Publisher: | Dunod | | |

| | | | |
|---|---|---|---|
| Author(s): | Mónica Triviño Mosquera, Marisa Arnedo Montoro | | |
| Title: | Neuropsicologia a traves de casos clinicos | | |
| Edition: | 2ª | Year: | 2021 |
| Local: | México | | |
| Publisher: | Médica Panamericana | | |

| | | | |
|---|---|---|---|
| Author(s): | José León Carrión (Autor) | | |
| Title: | Fundamentos de neuropsicología humana | | |
| Edition: | 1ª Edição | Year: | 2015 |
| Local: | Madrid | | |
| Publisher: | Sintesis | | |

## 24. Complementary Bibliography

| | | | |
|---|---|---|---|
| Author(s): | Damásio, António | | |
| Title: | O Livro da Consciência | | |
| Edition: | 1ª Edição | Year: | 2010 |
| Local: | Lisboa | | |
| Publisher: | Temas e Debates | | |

| | | | |
|---|---|---|---|
| Author(s): | Carles Soriano Mas , Oren Contreras Rodríguez | | |
| Title: | Neuroimagen para Neuropsicólogos: | | |
| Edition: | 1ª | Year: | 2020 |
| Local: | Madrid | | |
| Publisher: | Sintesis | | |



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| Ficha técnica MIP / MIP Datasheet | |
|---|---|
| Título / Title | Course Unit Program 'NEUROPSICOLOGIA': Academic Year 2025/2026 |
| Autor / Author | Prof. Doutor MANUEL CARLOS DO ROSÁRIO DOMINGOS |
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| Descritores / Descriptors | - |
| Colaborador(es) / Colaborator(s) | - |
| Data Hora / Date Time | |
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