



Information about the subject

Degree: Bachelor of Science Degree in Speech and Language Therapy

Faculty: Faculty of Psychology

Code: 1172017 **Name:** Clinical Neuropsychology

Credits: 6,00 **ECTS Year:** The course is not offered this academic year **Semester:**

Module: Optatives

Subject Matter: Neuropsychology **Type:** Elective

Field of knowledge: Ciencias de la Salud

Department: Speech Therapy

Type of learning: Classroom-based learning

Languages in which it is taught:

Lecturer/-s:



Module organization

Optatives

| Subject Matter | ECTS | Subject | ECTS | Year/semester |
|----------------------|-------|--|------|---|
| Audiology | 18,00 | Audiological assessment | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Introduction to Audiology | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Medical Audiology | 6,00 | This elective is not offered in the academic year 24/25 |
| Neuropsychology | 18,00 | -Biology of human behavior | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Clinical Neuropsychology | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Psychogerontology | 6,00 | This elective is not offered in the academic year 24/25 |
| Clinical Linguistics | 18,00 | Acoustic Phonetics | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Bilingualism and speech and language therapy | 6,00 | This elective is not offered in the academic year 24/25 |



| | | | | |
|------------------------------------|-------|---|------|---|
| Clinical Linguistics | | Methods of language analysis applied to speech and language therapy | 6,00 | |
| Work techniques | 18,00 | Documentation in health sciences | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Methodologies of professional skills for communication I | 6,00 | |
| | | Methodologies of professional skills for communication II | 6,00 | |
| Educational processes and contexts | 18,00 | Design and assessment of educational action plans | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Didactics and educational innovation | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Educational fundamentals and school organisation | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Teaching-Learning Processes in the Classroom: Techniques and Tools | 6,00 | This elective is not offered in the academic year 24/25 |
| Sign Language | 18,00 | Communication systems for the deafblind | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Spanish Sign Language I | 6,00 | This elective is not offered in the academic year 24/25 |



| | | | | |
|---------------|-------|--|------|---|
| Sign Language | | Spanish Sign Language II | 6,00 | This elective is not offered in the academic year 24/25 |
| | | Spanish Sign Language III | 6,00 | This elective is not offered in the academic year 24/25 |
| Psychology | 18,00 | Clinical psychopathology and of health in children and adolescents | 6,00 | |
| | | Psychopathology in adults | 6,00 | |
| | | Psychopathology in children and adolescents | 6,00 | |

Recommended knowledge

Have completed "Fundamentals of Neuroscience".

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 To know the interactions between the nervous system and cellular communication and their relationships with human behavior
- R2 To know and relate the nervous system macroanatomy with its function and some physiological characteristics
- R3 To know and relate the nervous system macroanatomy with its function and some physiological characteristics
- R4 To write formally correct, concise, rigorous and well-informed reports, documents, contents... in the neuropsychological field, using an adequate terminology



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

| SPECIFIC | Weighting | | | |
|---|-----------|---|---|---|
| | 1 | 2 | 3 | 4 |
| CE2 Understand and integrate the psychological foundations of Speech: language development, psychological development, Neuropsychology of language, basic processes and Psycholinguistics | | | | X |
| CE37 Master the terminology that allows one to interact effectively with other professionals | | | | X |

| TRANSVERSAL | Weighting | | | |
|---|-----------|---|---|---|
| | 1 | 2 | 3 | 4 |
| CT7 Having an open and flexible attitude to lifelong learning | | | | X |



Assessment system for the acquisition of competencies and grading system

| Assessed learning outcomes | Granted percentage | Assessment method |
|----------------------------|--------------------|--|
| R1, R2, R3 | 50,00% | Written exam |
| R4 | 40,00% | Practical work assignments assessment |
| | 10,00% | Attendance and participation of in-person formative activities |

Observations

Minimum requirements:

The final mark is the weighted average of the different grades. Two conditions are necessary for the average to be calculated:

a. The student must reach the final mark of 5 in the subject exam. ?b. The student must hand in the practical exercises of the course. Students must respect the deadlines that will be communicated in class and published on the platform. ?

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded.

Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.



Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 On-Campus Class
- M2 Practical Class
- M3 Seminar
- M4 Laboratory
- M5 Individual Work
- M6 Group Work
- M7 Work Exhibition
- M8 Clinical Case Analysis
- M9 Prácticas en clínicas y centros



IN-CLASS LEARNING ACTIVITIES

| | LEARNING OUTCOMES | HOURS | ECTS |
|--|-------------------|--------------|-------------|
| ON-CAMPUS CLASS. Teacher presentation of contents, analysis of competences, explanation and in-class display of skills, abilities and knowledge M1, M2, M5, M6, M7, M8 | R1, R2, R3 | 30,00 | 1,20 |
| PRACTICAL CLASSES. Group work sessions supervised by the professor. Case studies, diagnostic tests, problems, field work, computer room, visits, data search, libraries, on-line, Internet, etc. Meaningful construction of knowledge through interaction and student activity M1, M2, M5, M6, M8 | R2, R3, R4 | 10,00 | 0,40 |
| GROUP WORK EXHIBITION. Application of multidisciplinary knowledge M2, M6, M7 | R2, R3 | 5,00 | 0,20 |
| OFFICE ASSISTANCE. Personalized and small group attention. Period of instruction and/or orientation carried out by a tutor to review and discuss materials and topics presented in classes, seminars, papers, etc. M1, M2, M8 | R1, R2, R3, R4 | 7,00 | 0,28 |
| ASSESSMENT. Set of oral and/or written tests used in initial, formative or additive assessment of the student M1 | R1, R2, R3, R4 | 8,00 | 0,32 |
| TOTAL | | 60,00 | 2,40 |



LEARNING ACTIVITIES OF AUTONOMOUS WORK

| | LEARNING OUTCOMES | HOURS | ECTS |
|---|-------------------|--------------|-------------|
| GROUP WORK. Group preparation of readings, essays, problem solving, seminars, papers, reports, etc. to be presented or submitted in theoretical lectures, practical and/or small-group tutoring sessions. Work done on the university e-learning platform M2, M6, M7, M8 | R1, R2, R3, R4 | 35,00 | 1,40 |
| INDEPENDENT WORK. Student study: Individual preparation of readings, essays, problem solving, seminars, papers, reports, etc. to be presented or submitted in theoretical lectures, practical and/or small-group tutoring sessions. Work done on the university e-learning platform M1, M2, M5, M6, M8 | R1, R2, R3, R4 | 55,00 | 2,20 |
| TOTAL | | 90,00 | 3,60 |



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

| Content block | Contents |
|-----------------|---|
| Content block 1 | DU 1. Historical development and concept of Neuropsychology. DU 2. Methods and techniques in Neuropsychology DU 3. Brain asymmetry DU 4. Brain pathology |
| Content block 2 | DU 5. Memory and amnesias DU 6. Language and its alterations. DU 7. Agnosias DU 8. Apraxias DU 9. Frontal lobe and its dysfunctions |
| Content block 3 | DU 10. Child neuropsychology DU 11. Aging, dementias and other neurodegenerative processes DU 12. Neuropsychological rehabilitation |

Temporary organization of learning:

| Block of content | Number of sessions | Hours |
|------------------|--------------------|-------|
| Content block 1 | 8,00 | 16,00 |
| Content block 2 | 12,00 | 24,00 |
| Content block 3 | 10,00 | 20,00 |



References

BASIC BIBLIOGRAPHY

- Junqué C. y Barroso J. (2009). Manual de Neuropsicología. Madrid: Síntesis.
- Portellano, J.A. (2005). Introducción a la Neuropsicología. Madrid: McGrawHill.
- Tirapu-Ustároz, J., Ríos-Lago, M. y Maestú-Unturbe, F. (2011). Manual de Neuropsicología. Barcelona: Viguera (2a Edición).
- Triviño, M., Arnedo, M., Bembibre, J. (coord.) (2020). Neuropsicología a través de casos clínicos. Evaluación y rehabilitación (2ª ed.). Madrid: Médica-Panamericana.
- Kolb, Bryan, Wishaw, Ian Q. (2017). Neuropsicología humana. (7ª edición). Madrid: Editorial Médica Panamericana.

ADDITIONAL BIBLIOGRAPHY

- Arnedo, M. (Coord) (2013). Neuropsicología: Casos prácticos. Madrid: Medica-Panamericana
- Bruna, O et al. (2011). Rehabilitación neuropsicológica. Intervención y práctica diaria. Barcelona: Elsevier Masson.
- Clark, D., Boutros, N. y Méndez, M. (2012). Neuroanatomía para psicólogos. México D.F.: El Manual Moderno.
- Deus Yela, J., Devi Bastida, J. y Sainz Pelayo, MP. (2018). Neuropsicología de la enfermedad de Alzheimer. Madrid: Síntesis.
- Perea, M.V., Ladera, V. y Echeandía, C. (2001) Neuropsicología: libro de trabajo. Salamanca: Amaru Ediciones.
- Portellano, J.A. (Coord.)(2003). Neuropsicología infantil. Madrid: Fundación MAPFRE.
- Portellano, J.A. y García, J. (2012). Neuropsicología de la atención, las funciones ejecutivas y la memoria. Madrid: Sintesis.
- Rains, G.D. (2003). Principios de Neuropsicología Humana. México: McGraw-Hill.