



## Information about the subject

**Degree:** Bachelor of Science Degree in Psychology

**Faculty:** Faculty of Psychology

**Code:** 292022 **Name:** -Clinical Neuropsychology

**Credits:** 6,00 **ECTS Year:** 0, 4 **Semester:** 1

**Module:** OPTIONAL

**Subject Matter:** Health psychology **Type:** Elective

**Field of knowledge:** Ciencias de la salud

**Department:** Personality Psychology, Treatments, and Methodology

**Type of learning:** Classroom-based learning / Online

**Languages in which it is taught:** Spanish

**Lecturer/-s:**

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## Module organization

### OPTIONAL

Subject Matter	ECTS	Subject	ECTS	Year/semester
Health psychology	84,00	-Clinical Neuropsychology	6,00	0, 4/1
		-Disorders of Eating Behavior	6,00	4/1
		-Health Psychology	6,00	3, 4/1
		-Legal Psychology	6,00	0, 4/1
		-Main Models of Intervention in Psychotherapy	6,00	This elective is not offered in the academic year 24/25
		Mediation and familiar orientation	6,00	3/1
		-New Directions in Psychotherapy	6,00	This elective is not offered in the academic year 24/25
		-Prevention and Treatment of Addictive Behavior	6,00	0, 2, 3/1
		-Psychogerontology	6,00	This elective is not offered in the academic year 24/25
		-Psychology of the Chronic Disease and of Rehabilitation	6,00	This elective is not offered in the academic year 24/25
		-Psychology, Grieving and Palliative Care	6,00	4/1



Health psychology		-Psychopharmacology	6,00	4/1
		Sleeping disorders	6,00	4/1
		-Therapy Techniques and Behavior Modification	6,00	This elective is not offered in the academic year 24/25
Transversal psychology	42,00	Anthropology of the Person and Health	6,00	This elective is not offered in the academic year 24/25
		Basic Social and Emotional Skills for Professional Practice of Psychology	6,00	This elective is not offered in the academic year 24/25
		History and Philosophy of the Family	6,00	This elective is not offered in the academic year 24/25
		-Psychology of Religion	6,00	This elective is not offered in the academic year 24/25
		Psychology, and Information and Communication Technologies	6,00	This elective is not offered in the academic year 24/25
		-Qualitative Research Methodology	6,00	This elective is not offered in the academic year 24/25
		Scientific English II	6,00	This elective is not offered in the academic year 24/25



Educational psychology	48,00	-Affective Linkages in the Life Cycle	6,00	This elective is not offered in the academic year 24/25
		Development of Cognitive Skills	6,00	This elective is not offered in the academic year 24/25
		Education for Interculturality	6,00	This elective is not offered in the academic year 24/25
		Educational Intervention for Students with Special Educational Needs	6,00	This elective is not offered in the academic year 24/25
		-Occupational Guidance	6,00	This elective is not offered in the academic year 24/25
		Preventive Intervention and Early Stimulation	6,00	2/1
		-School Psychology	6,00	2, 3/1
		Strategies and Tools for Effective Learning	6,00	This elective is not offered in the academic year 24/25
Psychology of work and human resources	42,00	-Cooperative Work in Interdisciplinary Teams	6,00	This elective is not offered in the academic year 24/25
		-Intervention Techniques in Human Resources	6,00	This elective is not offered in the academic year 24/25



Psychology of work and human resources		Interview and Psychological Counselling	6,00	This elective is not offered in the academic year 24/25
		Management of the Work Climate in Organisations	6,00	3/1
		Mediation and Intervention in Family Businesses	6,00	This elective is not offered in the academic year 24/25
		-Negotiation and Conflict Resolution	6,00	0, 4/1
		-Psychology of Communication	6,00	2/1
Community psychology and social intervention	54,00	Family and Aid to Dependency	6,00	2/1
		Intervention and Organisation of Socio-cultural Events	6,00	This elective is not offered in the academic year 24/25
		-Psychology of Conflict and Violence	6,00	2/1
		-Psychology of Criminality	6,00	3/1
		-Psychology of Physical Activity and Sport	6,00	This elective is not offered in the academic year 24/25
		-Psychology of Social Intervention	6,00	This elective is not offered in the academic year 24/25
		-Psychology of the Media	6,00	This elective is not offered in the academic year 24/25



Community psychology and social intervention		Psychosocial Intervention in Disasters and Emergencies	6,00	3/1
		-Social Support Theory and Strategies	6,00	This elective is not offered in the academic year 24/25
Speech therapy psychology	30,00	Acquisition and Development of Language	6,00	This elective is not offered in the academic year 24/25
		Assessment of Language, Speech and Voice	6,00	0/1
		-Language and Hearing Disorders	6,00	0/1
		Linguistic Analysis of Language Disorders	6,00	This elective is not offered in the academic year 24/25
		-Speech and Voice Disorders	6,00	This elective is not offered in the academic year 24/25

## Recommended knowledge

It is recommended to have taken the subjects of Fundamentals of Neuroscience, Behavioral Biology and Psychophysiology

## Prerequisites

El alumno deberá cursar un mínimo de 30 ECTS de Optatividad, entre las asignaturas activadas en el curso académico.



## 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 Knowing the concepts, theories and main models of psychology in the area of Clinical Psychology and Health Psychology.
- R2 Being able to design psychological prevention plans that are adequate to the specific demands presented in each area based on the learned theoretical models.
- R3 Being able to design psychological prevention plans in the different contexts of the health field.
- R4 Knowing and acquiring the necessary skills for the adequate management of therapeutic relationships.



## 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):

BASIC		Weighting			
		1	2	3	4
CB1	Students must show that they have and understand knowledge in a field of study that is based on general secondary education on a level that, although supported by advanced textbooks, includes also some aspects that involve knowledge belonging to the vanguard of their field of study.		X		
CB2	Students can apply their knowledge to their work or vocation in a professional manner and possess the skills typically demonstrated through devising and sustaining arguments and solving problems within their field of study.		X		
CB3	Students have the ability to gather and interpret relevant data usually within their field of study to inform judgments that include reflection on relevant social, scientific or ethical.		X		
CB4	Students can communicate information, ideas, problems and solutions to both specialist and non-specialist.			X	
SPECIFIC		Weighting			
		1	2	3	4
CE1	Analyzing needs and requests of addressee functions in different contexts.		X		
CE2	Establishing psychological action goals in different contexts, proposing and negotiating the goals with addressees.		X		
CE3	Planning and carrying out interviews.				X
CE4	Analyzing and measuring variables (personality, intelligence and other aptitudes) and cognitive, emotional, psychobiological and behavioral processes .				X
CE5	Identifying differences, problems and needs.				X





CE6	Diagnosing following professional principles.				X
CE7	Analyzing and assessing interaction processes, group dynamics and group and inter-group structures.		X		
CE8	Identifying group and inter-group problems and needs.		X		
CE9	Analyzing and assessing interaction processes, organizational and inter-organizational dynamics and structure.	X			
CE12	Selecting and correctly using tools, products and services and identifying those people and group concerned.				X
CE15	Defining objectives and devising action plans according to action goals. (prevention, treatment, rehabilitation, insertion, support).				X
CE16	Choosing adequate psychological intervention techniques.				X
CE17	Mastering strategies and techniques to get addressees involved.		X		
CE18	Putting into practice direct intervention strategies and methods: psychological advice, therapy, negotiation mediation...				X
CE21	Planning programmes and intervention assessment.				X
CE23	Analyzing and collecting important data for intervention assessments.				X
CE24	Analyzing and interpreting assessment results.				X
CE25	To be able to measure and to collect relevant data for the evaluation of the interventions			X	
CE26	Writing oral and written reports.				X
CE27	Knowing and adapting to the psychology code of ethics.				X
CE34	To know different evaluation methods, psychological diagnoses and treatments in different applied domains of Psychology.				X

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Capacity to analyze and synthesize.			X	



CT2	Capacity to organize and plan.	X			
CT3	Mastering Spanish oral and written communication.			X	
CT6	Capacity to manage information (capacity to look for and analyze information coming from different types of sources)		X		
CT7	Problem solving.	X			
CT8	Decision making.	X			
CT9	Capacity to work in team.		X		
CT10	Capacity to work in interdisciplinary teams.		X		
CT12	Interpersonal skills.			X	
CT14	Critical capacity.		X		
CT15	Ethics.	X			
CT17	Capacity to adapt to new situations.		X		
CT24	Taking responsibility		X		
CT25	Self-criticism ability: being able to critically assess one's performance.		X		
CT27	Capacity to express feelings.		X		
CT29	Interpreting other's intentions.		X		
CT34	Professional relationships: being able to build and maintain relationships with other professionals and important organizations		X		
CT36	Being able to collect information using different kinds of sources.			X	
CT37	Being able to collect information from other people.				X



## Assessment system for the acquisition of competencies and grading system

### In-class teaching

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4	60,00%	Oral and/or written tests employed in initial, training and/or summative student assessment.
R2, R3, R4	10,00%	Presentation of practical activities.
R1, R2, R3, R4	20,00%	Attendance and active participation: lessons, group assignments and tutoring sessions. It will be monitored and registered by the teacher.
R2, R3, R4	10,00%	Oral presentation of assignments.

### Observations

To pass the subject, the student must pass each of the different evaluation systems separately. The performance test on the level of theoretical knowledge acquired by the student will be carried out in the form of a multiple choice exam with multiple response questions with 3 answer alternatives.

The criterion for granting Honor Certificates will be to demonstrate levels of excellence in all competencies and learning outcomes.

### Online teaching

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4	70,00%	Final evaluation consisting of essay questions and hypothetical scenarios.
R1, R2, R3, R4	5,00%	Submitted tasks
R1, R2, R3, R4	25,00%	Attendance and participation in synchronic communication activities.

### Observations

To pass the subject, the student must pass each of the different evaluation systems separately. The performance test on the level of theoretical knowledge acquired by the student will be carried out in the form of a multiple choice exam with multiple response questions with 3 answer



alternatives.

The criterion for granting Honor Certificates will be to demonstrate levels of excellence in all competencies and learning outcomes.

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 Teacher presentation of contents, competency analysis, explanation and demonstration of capacities, abilities and knowledge in the classroom (presential modality).
- M2 Teacher-supervised groupwork sessions: case studies, diagnostic tests, problems, fieldwork, IT room, visits, data searches, libraries, web, Internet, etc. Building knowledge significantly through interaction and student activities (presential modality).
- M3 Supervised monographic sessions with shared participation.
- M4 Application of interdisciplinary knowledge.
- M6 Personalized attention in small groups. Training and/or orientation period by a teacher aimed at revising and discussing the materials and topics presented in the lessons, seminars, lectures, assignments, etc.
- M7 Set of oral and/or written tests employed in initial, training or summative assessment of the student.



- M8 Group preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be presented or handed in during theory lessons, practical lessons and/or tutoring sessions in small groups. Tasks done on the platform or other virtual spaces.
- M9 Students' independent study: individual preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be presented or handed in during theory lessons, practical lessons and /or small-group tutoring sessions. Tasks on the platform or other virtual spaces.
- M11 Teacher presentation of contents, competencies analysis, explanation and demonstration of capacities, abilities and knowledge on the virtual classroom.
- M12 Group work sessions via chat moderated by the teacher. Case studies –both real and fictional– aimed at building knowledge through interaction and students' activities. Critical analysis of values and social commitment.
- M13 Monographic sessions throughout the course, focused on current aspects and applications of the subject.
- M14 Set of oral and/or written tests employed in initial, training or summative assessment of the student.
- M15 Student's individual study: individual preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be discussed or turned in in electronic format.
- M16 Individualized attention for the monitoring and orientation in the learning process, performed by a tutor in order to revise and discuss the materials and topics, seminars, readings and assignments, etc.
- M17 Group preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be discussed or handed in.
- M18 Participation and contributions to discussion forums related to the subject and moderated by the module's teacher.
- M19 Problem resolution, comments, reports to be handed in according to the deadlines throughout the course.



## IN-CLASS LEARNING

### IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
<b>ON-CAMPUS CLASS</b> Teacher presentation of contents, analysis of competences, explanation and in-class display of skills, abilities and knowledge. M1	R1, R2, R3, R4	45,00	1,80
<b>PRACTICAL CLASSES</b> 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. M2, M3	R2, R3	10,00	0,40
<b>OFFICE ASSISTANCE</b> 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. M6	R1, R2, R3, R4	2,50	0,10
<b>ASSESSMENT</b> Set of oral and/or written tests used in initial, formative or additive assessment of the student. M7	R1, R2, R3, R4	2,50	0,10
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>



## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
<b>GROUP WORK</b> 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, M8	R1, R2, R3, R4	15,00	0,60
<b>INDEPENDENT WORK</b> 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. M9	R1, R2, R3, R4	75,00	3,00
<b>TOTAL</b>		<b>90,00</b>	<b>3,60</b>



## ON-LINE LEARNING

### SYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Virtual session (distance learning) M11	R1, R2, R3, R4	25,00	1,00
Virtual practical session (distance learning) M12	R1, R2, R3, R4	18,75	0,75
In-person or virtual assessment (distance learning) M14	R1, R2, R3, R4	2,50	0,10
Individual tutoring sessions (distance learning) M16	R1, R2, R3, R4	7,50	0,30
Discussion forums (distance learning) M18	R1, R2, R3, R4	5,00	0,20
Continuous assessment activities (distance learning) M14, M19	R2, R3	6,25	0,25
<b>TOTAL</b>		<b>65,00</b>	<b>2,60</b>

### ASYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Individual work activities (distance learning) M12	R1, R2, R3, R4	60,00	2,40
Teamwork (distance learning) M12	R1, R2, R3, R4	25,00	1,00
<b>TOTAL</b>		<b>85,00</b>	<b>3,40</b>





## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
UNIT 1.INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY	Definition and object of study of Neuropsychology. Origins and historical development of Neuropsychology as a scientific discipline. Areas of action.
UNIT 2.NEUROPSYCHOLOGICAL EVALUATION	Objectives and characteristics of the neuropsychological evaluation. Evaluation areas. Neuroimaging techniques. Registration techniques. Neuropsychological tests
UNIT 3. AMNESIA AND MEMORY ALTERATIONS	Introduction: Memory location. Types of amnesias. Memory disorders in aging and in neurological diseases
UNIT 4. LANGUAGE ALTERATIONS	Neural bases of language (models). Semiology of aphasias. Alexias and agrafias. Aprosodias
UNIT 5. AGNOSIA	Concept and types. Visual agnosias: separation of systems. Visuo-perceptual and visuospatial dissociation. Visual disturbances. Visuospatial alterations. Visuoconstructive alterations. Auditory agnosias. Somatognosias
UNIT 6. THE APRAXIES	Concept and background. The diagnosis of apraxia. Ideomotor apraxia. Explanatory models. Basal ganglia and apraxia. Other apraxia
UNIT 7. THE FRONTAL LOBE	Introduction. Anatomy of the frontal lobes. Functions. Frontal lobe syndromes
UNIT 8. AGING, DEMENCIES AND OTHER NEURODEGENERATIVE PROCESSES	Normal aging: Brain and cognitive changes Mild cognitive impairment Dementias: Overview Alzheimer's disease Lewy body dementia. Frontotemporal dementias. Vascular dementias. Subcortical dementias. Prion dementias



UNIT 9. AGING, DEMENTIA AND  
DEGENERATIVE PROCESSES

Normal Aging: Brain and Cognitive Changes. Mild cognitive impairment. Dementias: types. Non-pharmacological treatment in dementias

UNIT 10. REHABILITATION OF  
FUNCTIONS

General considerations

Temporary organization of learning:

Block of content	Number of sessions	Hours
UNIT 1. INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY	2,00	4,00
UNIT 2. NEUROPSYCHOLOGICAL EVALUATION	6,00	12,00
UNIT 3. AMNESIA AND MEMORY ALTERATIONS	3,00	6,00
UNIT 4. LANGUAGE ALTERATIONS	3,00	6,00
UNIT 5. AGNOSIA	1,00	2,00
UNIT 6. THE APRAXIES	2,00	4,00
UNIT 7. THE FRONTAL LOBE	2,00	4,00
UNIT 8. AGING, DEMENCIES AND OTHER NEURODEGENERATIVE PROCESSES	2,00	4,00
UNIT 9. AGING, DEMENTIA AND DEGENERATIVE PROCESSES	7,00	14,00
UNIT 10. REHABILITATION OF FUNCTIONS	2,00	4,00



## References

### **BASIC BIBLIOGRAPHY**

Junqué C. y Barroso J. (2009). Manual de Neuropsicología. Madrid: Síntesis.

Tirapu, J., Ríos, M, y Maestú, F. (2011). Manual de Neuropsicología. Barcelona: Editorial Viguera (2ª Edición).

Tirapu-Ustárroz, J, García-Molina J., Rios-Lago, M., Ardila, R. (2012). Neuropsicología de la corteza prefrontal y las funciones ejecutivas

### **RECOMMENDED BIBLIOGRAPHY**

Arnedo, M. (Coord) (2012). Neuropsicología: Casos prácticos. Medica-Panamericana

Kolb B. y Wishaw I.Q. (2006). Fundamentos de Neuropsicología Humana. Madrid: Médica Panamericana.

Peña-Casanova J. (2007). Neurología de la conducta y neuropsicología. Madrid: Médica Panamericana.