Information about the subject

Degree: Bachelor of Science Degree in Psychology

Faculty: Faculty of Psychology

Code: 291107 **Name:** Psychology of Learning and Memory

Credits: 6,00 **ECTS Year:** 1 **Semester:** 2

Module: PSYCHOLOGICAL FUNCTIONS AND PROCESSES

Subject Matter: PSYCHOLOGY **Type:** Basic Formation

Field of knowledge: Health Sciences

Department: Basic, Social, and Neuropsychology

Type of learning: Classroom-based learning / Online

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

PSYCHOLOGICAL FUNCTIONS AND PROCESSES

Subject Matter	ECTS	Subject	ECTS	Year/semester
PSYCHOLOGY	12,00	Psychology of Attention and Perception	6,00	1/1
		Psychology of Learning and Memory	6,00	1/2
PSYCHOLOGICAL PROCESSES	12,00	Psychology of Motivation and Emotion	6,00	2/1
		Psychology of Thought and Language	6,00	3/2

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 and being able to explain the psychological processes of Memory, as well as the underlying theoretical models.

R2 Understanding empirical evidence that supports each theoretical construct in the area of Psychology of memory.

R3 Knowing and being able to explain the psychological processes of learning as well as the underlying theoretical models.

R4 Understanding empirical evidence that supports each theoretical construct in the area of Psychology of learning.

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
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	
CE26	Writing oral and written reports.			x	
CE28	To know the functions, characteristics and limitations of the different theoretical models of Psychology.				x
CE29	To know the basic laws of the different psychological processes.				x

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Capacity to analyze and synthesize.				x
CT2	Capacity to organize and plan.				x
CT6	Capacity to manage information (capacity to look for and analyze information coming from different types of sources)			x	
CT8	Decision making.			x	
CT9	Capacity to work in team.			x	
CT18	Capacity to produce new ideas (creativity).			x	
CT24	Taking responsibility			x	

CT35	Being able to develop audio-visual presentations.		x

Assessment system for the acquisition of competencies and grading system

In-class teaching

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

Observations

·Individual tests are written or oral and may combine multiple-choice questions with open-ended questions (INSTRUMENT 1).

·Active participation is assessed through practical activities carried out throughout the course (INSTRUMENT 2).

·To pass the course, students must pass each assessment instrument separately.

·To be awarded an Honors Distinction (Matrícula de Honor), students must demonstrate excellence in all competencies and learning outcomes.

TYPES OF ASSESSMENT

1.Ordinary assessment. A minimum classroom attendance of 40% is required.

2.Alternative single assessment. This is an exceptional evaluation for students who, for duly justified and documented reasons, cannot meet the minimum attendance requirement. This option must be formally requested in writing by the student to the course instructor. In this case, the following assessment instruments and percentages will apply:

·70% — Oral and/or written test

·30% — Submission of theoretical and/or practical activities determined by the instructor.

Both assessment instruments must be passed independently in order to calculate the final average and pass the course.

USE OF ARTIFICIAL INTELLIGENCE

Citation and attribution criteria:

·Any use of AI tools must be explicitly declared in the submitted document (for example, in a footnote or appendix).

·The name of the tool, its intended use, and the sections of the work in which it was employed

must be specified.

·Responsible use of AI will be evaluated as part of the originality and academic integrity criteria. Students may use AI for clarifying questions related to learning activities, assisted learning (alternative explanations or self-assessment exercises), searching for additional study resources and references, organizing ideas, receiving feedback on the clarity or coherence of their own texts, grammar checks and improving written documents, simulating interviews, questionnaires, or conversations as part of data collection practice, and any other activity agreed upon with the instructor.

Online teaching

Assessed learning outcomes	Granted percentage	Assessment method
	70,00%	Final evaluation consisting of essay questions and hypothetical scenarios.
	5,00%	Submitted tasks
	5,00%	Periodical assessment through questionnaires
	20,00%	Attendance and participation in synchronic communication activities.

Observations

·Individual tests are written or oral and may combine multiple-choice questions with open-ended questions (INSTRUMENT 1).

·Active participation is assessed through practical activities carried out throughout the course (INSTRUMENT 4).

·To pass the course, students must pass each assessment instrument separately.

·To be awarded an Honors Distinction (Matrícula de Honor), students must demonstrate excellence in all competencies and learning outcomes.

TYPES OF ASSESSMENT

1.Ordinary assessment. A minimum of 40% synchronous attendance is required.

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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).
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
ON-CAMPUS CLASS Teacher presentation of contents, analysis of competences, explanation and in-class display of skills, abilities and knowledge. M1	R1, R3	28,00	1,12
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. M2	R2, R4	16,00	0,64
SEMINAR Supervised monographic sessions with shared participation. M8	R1, R2, R3, R4	4,00	0,16
GROUP WORK EXHIBITION Application of multidisciplinary knowledge. M8	R1, R2, R3, R4	4,00	0,16
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. M6	R1, R2, R3, R4	4,00	0,16
ASSESSMENT Set of oral and/or written tests used in initial, formative or additive assessment of the student. M7	R1, R2, R3, R4	4,00	0,16
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 M8	R1, R2, R3, R4	30,00	1,20
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. M9	R1, R2, R3, R4	60,00	2,40
TOTAL		**90,00**	**3,60**

ON-LINE LEARNING

SYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Virtual session (distance learning) M11	R1, R3	30,00	1,20
Virtual practical session (distance learning) M12	R2, R4	10,00	0,40
In-person or virtual assessment (distance learning) M14	R1, R2, R3, R4	4,00	0,16
Individual tutoring sessions (distance learning) M16	R1, R2, R3, R4	8,00	0,32
Discussion forums (distance learning) M18	R2, R4	4,00	0,16
Continuous assessment activities (distance learning) M19	R1, R2, R3, R4	4,00	0,16
TOTAL		**60,00**	**2,40**

ASYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Individual work activities (distance learning) M17	R1, R2, R3, R4	60,00	2,40
Teamwork (distance learning) M17		30,00	1,20
TOTAL		**90,00**	**3,60**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
INTRODUCTION	DU 1. Introduction to the psychology of learning and memory
PSYCHOLOGY OF MEMORY	DU 2. Memory Structures and Processes DU 3. Short-term memory DU 4. Episodic memory and semantic memory DU 5. Non-implicit memory DU 6. Forgetting DU 7. Amnesias
PSYCHOLOGY OF LEARNING	DU 8. Introduction to the psychology of learning DU 9. Innate behaviours DU 10. Classical conditioning DU 11. Operant conditioning DU 12. Observational learning

Temporary organization of learning:

Block of content	Number of sessions	Hours
INTRODUCTION	4,00	8,00
PSYCHOLOGY OF MEMORY	13,00	26,00
PSYCHOLOGY OF LEARNING	13,00	26,00

References

Basic bibliography

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·Ballesteros, S. (2012). **Psicología de la memoria. Estructuras, procesos, sistemas**. UNED.

·Corral Varela, M. (2018). **Evaluación neuropsicológica de la memoria**. Madrid: Síntesis.

·Ellis, J. (2005). **Aprendizaje humano** (4ª edición). Madrid: Pearson.

·Fernández, J.L. (2005). **Procesos psicológicos básicos: Psicología general** (6ª ed.). Madrid: Sanz y Torres.

·Gluck, M. A., Mercado, E. y Myers, C. E. (2009). **Aprendizaje y memoria. Del cerebro al comportamiento**. México: McGraw-Hill

·Kolb, B. y Whishaw, I.Q. (2015). **Neuropsicología humana** (8ª edición). Madrid: Editorial Médica Panamericana.

·Mestre, J.M. y Palmero, F. (2011). **Procesos psicológicos básicos**. Madrid: McGraw-Hill.

·Muñoz Marrón, E., & Periañez, J. A. (2012). **Fundamentos del aprendizaje y del lenguaje**. Barcelona: Editorial UOC.

·Portellano, J.A. y García-Alba, J. (2014). **Neuropsicología de la atención, las funciones ejecutivas y la memoria**. Madrid: Síntesis.

·Tirapu, J. Ríos, M. y Maestu, F. (2011). **Manual de neuropsicología humana** (2ª ed.). Madrid: Viguera.