



Information about the subject

Degree: Bachelor of Science Degree in Psychology

Faculty: Faculty of Psychology

Code: 292026 **Name:** -Psychopharmacology

Credits: 6,00 **ECTS Year:** 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:

OPP16 Ana Perez Villalba (**Responsible Lecturer**)

anaperez@ucv.es



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 | 3, 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 25/26 |
| | | Mediation and familiar orientation | 6,00 | 3, 4/1 |
| | | -New Directions in Psychotherapy | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Prevention and Treatment of Addictive Behavior | 6,00 | 0, 2, 3/1 |
| | | -Psychogerontology | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Psychology of the Chronic Disease and of Rehabilitation | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Psychology, Grieving and Palliative Care | 6,00 | 4/1 |



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|------------------------|-------|---|------|---|
| 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 25/26 |
| Transversal psychology | 42,00 | Anthropology of the Person and Health | 6,00 | This elective is not offered in the academic year 25/26 |
| | | Basic Social and Emotional Skills for Professional Practice of Psychology | 6,00 | This elective is not offered in the academic year 25/26 |
| | | History and Philosophy of the Family | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Psychology of Religion | 6,00 | This elective is not offered in the academic year 25/26 |
| | | Psychology, and Information and Communication Technologies | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Qualitative Research Methodology | 6,00 | This elective is not offered in the academic year 25/26 |
| | | Scientific English II | 6,00 | This elective is not offered in the academic year 25/26 |



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|--|-------|--|------|--|
| Educational psychology | 48,00 | -Affective Linkages in the Life Cycle | 6,00 | This elective is not offered in the academic year 25/26 |
| | | Development of Cognitive Skills | 6,00 | This elective is not offered in the academic year 25/26 |
| | | Education for Interculturality | 6,00 | This elective is not offered in the academic year 25/26 |
| | | Educational Intervention for Students with Special Educational Needs | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Occupational Guidance | 6,00 | This elective is not offered in the academic year 25/26 |
| | | Preventive Intervention and Early Stimulation | 6,00 | 2, 3/1 |
| | | -School Psychology | 6,00 | 2, 3/1 |
| | | Strategies and Tools for Effective Learning | 6,00 | This elective is not offered in the academic year 25/26 |
| Psychology of work and human resources | 42,00 | -Cooperative Work in Interdisciplinary Teams | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Intervention Techniques in Human Resources | 6,00 | This elective is not offered in the academic year 25/26 |



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|--|-------|--|------|--|
| Psychology of work and human resources | | Interview and Psychological Counselling | 6,00 | This elective is not offered in the academic year 25/26 |
| | | 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 25/26 |
| | | -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, 3/1 |
| | | Intervention and Organisation of Socio-cultural Events | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -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 25/26 |
| | | -Psychology of Social Intervention | 6,00 | This elective is not offered in the academic year 25/26 |
| | | -Psychology of the Media | 6,00 | This elective is not offered in the academic year 25/26 |



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|--|-------|--|------|--|
| 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 25/26 |
| Speech therapy psychology | 30,00 | Acquisition and Development of Language | 6,00 | This elective is not offered in the academic year 25/26 |
| | | 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 25/26 |
| | | -Speech and Voice Disorders | 6,00 | This elective is not offered in the academic year 25/26 |

Recommended knowledge

Basic knowledge of Psychobiology and Neurosciences

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 Being able to design psychological prevention plans in the different contexts of the health field.



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 |
| CE6 Diagnosing following professional principles. | | | 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 | |
| CE18 Putting into practice direct intervention strategies and methods: psychological advice, therapy, negotiation mediation... | | 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 |
| CT3 Mastering Spanish oral and written communication. | | X | | |
| CT10 Capacity to work in interdisciplinary teams. | | | X | |
| CT16 Capacity to develop and update competences, skills and knowledge following professional standards. | | | X | |
| CT34 Professional relationships: being able to build and maintain relationships with other professionals and important organizations | | | X | |



Assessment system for the acquisition of competencies and grading system

In-class teaching

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

Observations

Students may be assessed using two possible systems: I. Progressive assessment. Competencies and learning progress are assessed through various tests and activities proposed by the instructor throughout the course, which will include exam assessments during regular sessions. This assessment is characterized by:

- The instructor may not assess students who do not adequately participate in the activities proposed for continuous assessment.
- Methodological activities will be carried out according to the schedule and will follow the following general guidelines:

- Brief presentation of a topic in class through an experimental scientific article where the student becomes familiar with the systems for searching and reading scientific literature (15%)
- Active participation in class: class exercises and discussion of scientific articles (10%).

- Practical Laboratory Activities (15%) Progressive assessment activities (which total 40%) will be added to the theoretical exam grade (60%). In subsequent assessments (group S), the course grade will consist solely of the theory exam grade (75%) and practical activities, which will be assessed with independent activities and practical exercises in the exam (25%).

II. Single Assessment.

The single assessment is an exceptional assessment for those students who, for accredited and justified reasons, cannot meet the minimum attendance requirement. This option must be requested by the student to the subject instructor in writing and will receive a response to their request in the same manner.

It includes the final exam, which is required by current legislation. It will be held in two sessions: June and July. The final exam will consist of an objective multiple-choice test (multiple-choice) in which incorrect answers will deduct points according to the following grading formula: $NT = A - (E/n - 1)$, where NT stands for Theory Grade, A for correct answers, E for errors, and n for the number of



question options. All theoretical topics, in principle, have equal importance for the exam. The final characteristics of the exam (number of questions, duration, etc.) will be indicated in the corresponding exam notice. In the final assessment, students must pass both the theoretical exam and the practical activities to pass the course. The course grade will consist solely of the theoretical exam (75%) and the practical activities (25%).

III. Criteria for awarding Honors: The tutor will award Honors to students who demonstrate evidence of excellence in all competencies and learning outcomes. The number of MHs distributed in each group will be indicated by the Dean of the Faculty of Psychology.

Ethical Use of AI: Citation and Attribution Criteria:

All use of AI tools must be explicitly stated in the submitted document (for example, in a footnote or an appendix). The name of the tool, the purpose of use (e.g., grammar check, organization of ideas, writing sample), and the part of the work in which it was used must be indicated.

Responsible use of AI will be evaluated as part of the criteria for originality and academic honesty. Students may use AI to answer questions about training activities, assisted learning (alternative explanations or self-assessment exercises), search for alternative resources and references for study, organize ideas, provide feedback on the clarity or coherence of their own text, review grammar and improve the writing of written documents, and any other activity agreed upon with the teaching staff. Students may not use AI to record or transcribe, in whole or in part, any classroom activity in order to obtain summaries or notes created by AI or to present AI-generated work as their own.

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. |

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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).
- 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 |
|--|-------------------|--------------|-------------|
| ON-CAMPUS CLASS Teacher presentation of contents, analysis of competences, explanation and in-class display of skills, abilities and knowledge. M1, M3, M4 | R1 | 25,00 | 1,00 |
| 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, M3 | R1 | 17,50 | 0,70 |
| SEMINAR Supervised monographic sessions with shared participation. M1, M4, M8 | R1 | 5,00 | 0,20 |
| GROUP WORK EXHIBITION Application of multidisciplinary knowledge. M2, M3, M4 | R1 | 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. M6 | R1 | 5,00 | 0,20 |
| ASSESSMENT Set of oral and/or written tests used in initial, formative or additive assessment of the student. M7 | R1 | 2,50 | 0,10 |
| 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 | 40,00 | 1,60 |
| 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. M8, M9 | R1 | 50,00 | 2,00 |
| TOTAL | | 90,00 | 3,60 |



ON-LINE LEARNING

SYNCHRONOUS LEARNING ACTIVITIES

| | LEARNING OUTCOMES | HOURS | ECTS |
|--|-------------------|--------------|-------------|
| Virtual session (distance learning) M11, M12, M13, M14 | R1 | 30,00 | 1,20 |
| Virtual practical session (distance learning) M13, M14, M16, M18, M19 | R1 | 10,00 | 0,40 |
| Seminar and virtual videoconference (distance learning) M13, M14 | R1 | 4,00 | 0,16 |
| In-person or virtual assessment (distance learning) M14 | R1 | 2,00 | 0,08 |
| Individual tutoring sessions (distance learning) M16 | R1 | 8,00 | 0,32 |
| Discussion forums (distance learning) M12 | R1 | 2,00 | 0,08 |
| Continuous assessment activities (distance learning) M14 | R1 | 4,00 | 0,16 |
| TOTAL | | 60,00 | 2,40 |

ASYNCHRONOUS LEARNING ACTIVITIES

| | LEARNING OUTCOMES | HOURS | ECTS |
|---|-------------------|--------------|-------------|
| Individual work activities (distance learning) M15, M17, M19 | R1 | 60,00 | 2,40 |
| Teamwork (distance learning) M17 | R1 | 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 |
|---|---|
| History, Methodology and basic concepts | History, Methodology and basic concepts UNIT 1. HISTORY AND CONCEPT OF PSYCHOPHARMACOLOGY. UNIT 2. RESEARCH METHODOLOGY. UNIT 3. BASIC CONCEPTS IN PSYCHOPHARMACOLOGY. UNIT 4. NEUROTRANSMISSION AND RECEPTORS |
| Pharmacology associated with Depression and Anxiety disorders | Pharmacology associated with Depression and Anxiety disorders UNIT 5. BIOLOGICAL BASIS OF DEPRESSION AND ANTIDEPRESSANTS. UNIT 6. MOOD STABILIZERS. UNIT 7. BIOLOGICAL BASES OF ANXIETY AND ANXIOLYTIC AGENTS. UNIT 8. PHARMACOLOGY OF PANIC DISORDERS, POST-TRAUMATIC STRESS, OBSESSIVE-COMPULSIVE DISORDERS, PHOBIC DISORDERS |
| Hypnotics, Neuroleptics and Substances of Abuse | Hypnotics, Neuroleptics and Substances of Abuse UNIT 9. HYPNOTICS. UNIT 10. BIOLOGICAL BASES OF SCHIZOPHRENIA AND OTHER PSYCHOSIS. UNIT 11. ANTIPSYCHOTICS OR NEUROLEPTICS. UNIT 12. PSYCHOPHARMACOLOGY OF SUBSTANCES OF ABUSE. |



Pharmacology associated with
Neurodegeneration

Pharmacology associated with Neurodegeneration
UNIT 13. BIOLOGICAL BASIS OF COGNITIVE
DISORDERS. COGNITIVE ENHANCERS AND
NEUROPROTECTIVE AGENTS.
UNIT 14. PHARMACOLOGY APPLIED TO
NEURODEGENERATIVE DISORDERS.

Temporary organization of learning:

| Block of content | Number of sessions | Hours |
|---|--------------------|-------|
| History, Methodology and basic concepts | 9,00 | 18,00 |
| Pharmacology associated with Depression and Anxiety disorders | 9,00 | 18,00 |
| Hypnotics, Neuroleptics and Substances of Abuse | 8,00 | 16,00 |
| Pharmacology associated with Neurodegeneration | 4,00 | 8,00 |

References

- Salazar, Peralta y Pastor. Manual de psicofarmacología.
- Goodman & Gilman's. The pharmacological basis of Therapeutics.
- D. Charney & E.J. Nestler. Neurobiology of Mental Illness.

WEB PAGES:

<https://pubmed.ncbi.nlm.nih.gov/>
<https://cima.aemps.es/cima/publico/home.html>
<https://www.clinicaltrials.gov/>