

**COURSE DATA****Data Subject**

<b>Code</b>	33325
<b>Name</b>	Psychopharmacology
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	4.5
<b>Academic year</b>	2021 - 2022

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1319 - Degree in Psychology	Faculty of Psychology and Speech Therapy	4	Second term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1319 - Degree in Psychology	24 - Psychopharmacology	Obligatory

**Coordination**

<b>Name</b>	<b>Department</b>
RODRIGUEZ ARIAS, MARTA	268 - Psychobiology

**SUMMARY**

The subject Psychopharmacology is compulsory. It is developed in six major areas such as history, concept and methodology of psychopharmacology, the biological and psychopharmacological treatment of mood and anxiety disorders, psychotic disorders, cognitive disorders and attention deficit disorder, as well as substance abuse disorders.

It is connected with other subjects such as “Fundamentos de Psicobiología”, “Psicología Fisiológica and “Psicoendocrinología” that provide the basis for understanding Psychopharmacology.

Finally, the three non-compulsory subjects in the field of Psychobiology also require the basic knowledge and skills developed in Psychopharmacology. In addition, during this subject students acquire knowledge and skills that will be useful in other subjects during their Psychology degree, as it provides the a psychopharmacological basis which can be useful and necessary in order to understand different aspects of treatment for mental disorders in other subjects addressed in the grade.



This subject is clearly connected to different professional fields such as clinical, evolutionary development, social intervention or research activity.

## PREVIOUS KNOWLEDGE

### Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

### Other requirements

Students must have a basic knowledge of the Biology subject teaches in the bachelor of health sciences. They also need computer skills at user level. It is also advisable to have passed the coursethe subject Fundamentos de Psicobiología and have basic knowledge of the subjects Psicología Fisiológica I y II.

## COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

### 1319 - Degree in Psychology

- Be able to describe and measure variables (personality, intelligence, attitudes, aptitudes, etc.) and cognitive, emotional, psychobiological and behavioural processes.
- Be able to prepare oral and written reports.
- Know and comply with professional ethics of Psychology.
- Know the methodology used for developing psycho-drugs and the methods to verify their therapeutic effectiveness.
- Be able to recognise the type of psycho-drug that a specific substance belongs to.
- Be able to guide the pharmacological treatment of specific clinical cases.
- Know the different groups of psycho-drugs and their use in different mental disorders.

## LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

1. Place the subject Psychopharmacology both in the context of psychology and neurosciences.
- 2 - Understand the concept and history of psychopharmacology.
- 3 - Identify and interpret the main techniques applied in Psychopharmacology.
- 4- Understand the biological basis and different psychopharmacological treatments of mood disorders.
- 5- Understand the biological basis and main psychopharmacological treatments of anxiety disorders.
- 6- Understand the biological basis and different psychopharmacological treatments of psychotic disorders.
- 7- Know the biological basis and different psychopharmacological treatments of cognitive disorders and of the attention deficit disorder.
- 8-Understand the biological basis and different psychopharmacological treatments of substance abuse disorders.



## DESCRIPTION OF CONTENTS

1. History, concept and methodology of psychopharmacology.

2. Biological basis and psychopharmacological treatment of mood disorders.

3. Biological basis and psychopharmacological treatment of anxiety disorders.

4. Biological basis and psychopharmacological treatment of psychotic disorders

5. Biological basis and psychopharmacological treatment of cognitive disorders and attention deficit disorder.

6. Biological and psychopharmacological treatment of substance abuse disorders

## WORKLOAD

ACTIVITY	Hours	% To be attended
Theoretical and practical classes	45,00	100
Attendance at events and external activities	2,00	0
Development of individual work	10,00	0
Study and independent work	20,00	0
Readings supplementary material	2,00	0
Preparing lectures	20,00	0
Preparation of practical classes and problem	6,00	0
Resolution of case studies	7,50	0
<b>TOTAL</b>	<b>112,50</b>	

## TEACHING METHODOLOGY

- Lectures with audiovisual support.



- Practical sessions aimed at applied aspects of psychopharmacology, as can be, Vademecum, familiarity with technical data and presentation of drugs and focus of clinical cases of several mental disorders.
- Carrying out practical work on theoretical and applied aspects of psychopharmacology.
- Scheduled tutorial.

## EVALUATION

- 1- Testing on the level of knowledge acquired by the student.
- 2- Assessment of practical work involving the student's ability to resolve case studies of psychopharmacological treatment.
- 3- Test that includes practical issues related to the design of psychopharmacological treatment.

For the first as well as for the second call, it is necessary to reach 50% of the maximum score. It is required as a minimum mark of 4 out of 10 in both theoretical and practical examination.

### *Exams Report*

1. Performance tests on the level of theoretical and practical knowledge acquired by the student, through a multiple-choice examination that will constitute 80% of the final grade.

2. Report submitted at the end of classes and / or the day of the performance test:

It is valued that the student has developed competences of knowledge, understanding and application of the contents of the subject that will constitute 20% of the final mark.

In both calls are recoverable both the performance test and the report that the student must present.

The qualification of the subject as well as the review of and appeal to the allotted grades will abide to what is stipulated in the *Reglament d'Avaluació i Qualificació de la Universitat de València per a títols de Grau i Màster* (ACGUV 108/2017 of May 30, 2017).

[http://www.uv.es/graus/normatives/2017\\_108\\_reglament\\_avaluacio\\_qualificacio.pdf](http://www.uv.es/graus/normatives/2017_108_reglament_avaluacio_qualificacio.pdf)



## REFERENCES

### Basic

- Aguilar M.A., Manzanedo C., Miñarro J., Rodríguez-Arias M. (2010). Psicofarmacología para estudiantes de Psicología. 2ª edición. CSV. Valencia
- Stahl S.M. (2010) Psicofarmacología esencial. Bases neurocientíficas. Grupo Aula Médica.
- Stahl S.M. (2006) Psicofarmacología esencial. Bases neurocientíficas y aplicaciones clínicas. Ariel. Barcelona.
- Stahl S.M. (2014) Psicofarmacología esencial. Bases neurocientíficas y aplicaciones clínicas. Ed. Aula Médica.

### Additional

- Fernández Teruel A. (2010) Psicofarmacología, terapias psicológicas y tratamientos combinados I: eficacia comparada en los trastornos mentales. Editorial UOC.
- Fernández Teruel A. (2011) Psicofarmacología, terapias psicológicas y tratamientos combinados II: eficacia comparada en los trastornos mentales. Editorial UOC.
- Lorenzo P. Ladero J.M. Leza J. Lizasoain I. (2009) Drogodependencias. Farmacología, Patología, Psicología, Legislación. Ed. Panamericana. Madrid.
- Moya-Albiol, L (2012). Material d'estudi de Psicofarmacologia. Colecció Psicologia RODERIC repositori de contingut lliure. Universitat de Valencia. <http://roderic.uv.es/handle/10550/25135>
- Sanjuan J (2016) ¿Tratar la mente o tratar el cerebro? Hacia una integración entre psicofármacos y psicoterapia. Ed. Desclée de Brouwer.
- Redolar D. (2008) Cerebro y Adicción. Ed. UOC. Barcelona.
- Puig A., Prat i Vigué G. (2011) Psicofarmacología: de los mecanismos de acción a las estrategias terapéuticas. Ed. Merge.
- Salazar M., Peralta C., Pastor F.J. (2009) Tratado de Psicofarmacología. Bases y Aplicación Clínica. Ed. Médica Panamericana.
- Salazar M. (2011) Manual de Psicofarmacología. Ed. Médica Panamericana.
- Sciafer TE, Nemeroff CB (2012) Neurobiology of psychiatric disorders. Ed. Elsevier.
- Schatzberg A.F., Jonathan O., DeBattista C. (2008) Manual de Psicofarmacologia Clínica. Luzán S.A. ed.
- Stahl S.M. (2011) Case Studies: Stahls Essential Psychopharmacology. Cambridge University Press.





## **ADDENDUM COVID-19**

**This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council**

### **1. DESCRIPTION OF CONTENTS**

The contents are maintained concerning the original guide, although the greater emphasis will be placed on those necessary for the acquisition of the skills and learning outcomes of the subject.

### **2. WORKLOAD AND TIMING**

The classes will be adapted to the ONLINE format and will be extended for the time determined by the Academic Title Commission in accordance with the guidelines received from Rectorado.

The volume of work will be adapted to the current model at all times.

The time of presence in the classroom along with the subject and its planning during the first four-month period will comply with the health regulations, following Article 3.2.2. on measures in the university teaching, of the agreement of 19 June 2020, of the Governing Council, on preventive measures against Covid-19 (DOGV of 20 June 2020).

The volume of work in hours of dedication in ECTS credits marked in the original teaching guide is maintained.

In case of changing to the hybrid model, 50% of the sessions will be held online and 25% will be held in person, maintaining, in both cases, the timetable established by the center and being taught in alternate weeks planned by the center. The remaining 25% time will be replaced by study and autonomous work of the student.

### **3. TEACHING METHODOLOGY**

The teaching methodology will be mixed, face-to-face, and on-line, following the guidelines of the Faculty of Psychology. The online sessions will consist of the transmission of materials and tests through the Virtual Classroom synchronously, as well as the solution of possible questions about subject topics. The synchronous sessions will always coincide with the timetables of each group as set out on the website of the Faculty of Psychology.



#### 4. EVALUATION

The final tests will be held in accordance with the regime determined by the Government Council (Consell de Govern) agreements in force at the time.

Two different evaluation proposals are established and will be determined by the situation of greater or less presence of the course:

**Proposal A** (online and face-to-face classes, with a final face-to-face test): The evaluation of the student is mixed, with a part of continuous evaluation and a final exam. The continuous evaluation will be carried out with the delivery of a practical coursebook through the Aula Virtual, with theoretical content and practical application, whose weighting on the final grade of the student will be 40%. This coursebook will be recoverable in the second call. The maximum grade that can be achieved in this section is 4.

The final written test will have a weighting on the final grade of the student of 60%. This performance test on the level of theoretical and practical knowledge acquired by the student will be carried out through a multiple-choice exam. The maximum grade that can be achieved in this section is 6.

To pass the course it will be necessary to reach 50% of the maximum mark. At least it will be required to achieve a grade of 4 (out of 10) both in the theoretical exam and in the grade of the continuous assessment.

In the event of failure or not presented in the first call for not meeting any of the requirements, the second call will mean the presentation again, virtually, of the practical coursebook and the completion of the final exam.

**Proposal B** (non-attendance): In this scenario, the subject's evaluation system is modified according to the following criteria: The evaluation of the student will be done through continuous evaluation. The final grade for this course will be obtained through a continuous assessment that comprises two parts:

- a) Practical coursebook. The weight in the final mark of the 6 practices programmed will be 50% of the final mark.
- b) Activity of resolution of clinical cases delivered in the form of a report that will account for the remaining 50% of the final grade.

To pass the course it is necessary to reach 50% of the maximum mark.

In the event of failure or not presented in the first call for not meeting any of the requirements, the second call will mean the presentation again, virtually, of the practical coursebook and the report of the clinical cases.

In either of the two situations, only those students who achieve a 9.5 mark will be able to opt for the honors grade. If necessary, students who opt for honors will have to make a small additional report.

All work and tests will be checked using the anti-plagiarism software provided by the University of Valencia.



## 5. REFERENCES

They appear in the corresponding section of the Academic Guide.

---