

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

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|----------------------|--------------------|
| Code | 33325 |
| Name | Psychopharmacology |
| Cycle | Grade |
| ECTS Credits | 4.5 |
| Academic year | 2022 - 2023 |

Study (s)

| Degree | Center | Acad. year | Period |
|-----------------------------|--|-------------------|---------------|
| 1319 - Degree in Psychology | Faculty of Psychology and Speech Therapy | 4 | Second term |

Subject-matter

| Degree | Subject-matter | Character |
|-----------------------------|-------------------------|------------------|
| 1319 - Degree in Psychology | 24 - Psychopharmacology | Obligatory |

Coordination

| Name | Department |
|------------------------|---------------------|
| 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.

OUTCOMES

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

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 |
| TOTAL | 112,50 | |

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.

Is necessary to reach 50% of the maximum score. Is required as a minimum mark of 4 out of 10 in both the theoretical and the practical part.

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 evaluation of the subject and the claim of the score obtained are subject to the provisions of the Evaluation and Qualification Regulations of the University of Valencia for Bachelor's and Master's degrees (ACGUV 108/2017 of May 30, 2017).

http://www.uv.es/graus/normatives/2017_108_reglament_avaluacio_qualificacio.pdf

In the event of fraudulent practices, the Action Protocol for fraudulent practices at the University of Valencia will be applied (ACGUV 123/2020): <https://www.uv.es/sgeneral/Protocols/C83sp.pdf>



REFERENCES

Basic

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

Additional

- Practical Psychopharmacology. Translating Findings From Evidence-Based Trials into Real-World Clinical. Joseph F. Goldberg, Stephen M. Stahl, Cambridge University Press 2021 1108450741
- Case Studies: Stahl's Essential Psychopharmacology. Takesha Cooper, Gerald Maguire, Stephen Stahl. Cambridge University Press 2021 9781009012898
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- Sclaefer TE, Nemeroff CB (2012) Neurobiology of psychiatric disorders. Ed. Elsevier.



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