

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

<b>Code</b>	34498
<b>Name</b>	Drug dependencies
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	4.5
<b>Academic year</b>	2019 - 2020

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1204 - Degree in Medicine	Faculty of Medicine and Odontology	3	Second term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1204 - Degree in Medicine	18 - Optional subjects	Optional

**Coordination**

<b>Name</b>	<b>Department</b>
MARTINEZ RAGA, JOSE	260 - Medicine
RINCON VELAZQUEZ, SANTIAGO	265 - Prev. Medicine, Public Health, Food Sc.,Toxic. and For. Med.
SARRIA CHUST, BENJAMIN	135 - Pharmacology

**SUMMARY**

The objective of this subject is to develop the knowledge and the working and communication capacity in the field of the analysis of the actualized information in the different aspects of the drug dependency. The incorporation of the new technologies of the information, communication and bibliographical search will contribute to those objectives. Among the formative activities, aspects related with the knowledge of the different psychoactive substances subject to be used that trigger modifications of the behaviour and of the perception in the human being will be included. Study of the temporal evolution of the drug in the organism, of its mechanism of action, interactions with other drugs, interpretation of its effects, behavioral disorders, social disorders and pathologies associated with the use and abuse of these substances and of the associated medical-legal problems.



## PREVIOUS KNOWLEDGE

### Relationship to other subjects of the same degree

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

### Other requirements

Se recomienda a los estudiantes que cursen esta asignatura en 4º o 5º además de tener superadas las siguientes asignaturas: bioquímica y biología molecular, anatomía general y anatomía de aparatos y sistemas, psicología médica, ética médica, fisiología, farmacología general de órganos y sistemas, patología general y semiología.

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

### 1204 - Degree in Medicine

- Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.
- Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.
- Understand and recognise source agents and risk factors which determine health status and the development of diseases.
- Proper organisation and planning of the workload and timing in professional activities.
- Team-working skills and engaging with other people in the same line of work or different.
- Criticism and self-criticism skills.
- Capacity for communicating with professional circles from other domains.
- Acknowledge diversity and multiculturality.
- Consideration of ethics as a fundamental value in the professional practise.
- Working capacity to function in an international context.

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

1. To know the scientific bases by which the drug addiction is founded.
2. To understand the pharmacological aspects of the different groups of drugs and their activity in the human being, reasoning their influence over the human activity.
3. To understand the bases of the drugs action in the physiopathology of the human being.



4. To know and understand the pathologies triggered by the use and abuse of drugs both at a behavioral and physical level.
5. To know the medical and psychiatric treatment used in the management of drug addictions.
6. To know the medical-legal aspects associated with the use and abuse of drugs.
7. To know the applicable law in relation with the use and abuse of drugs.

## DESCRIPTION OF CONTENTS

### 1. THEORETICAL TEACHING AND SEMINARIS

1. Introduction and general aspects of drug use and abuse.
2. Legal framework regarding drug use.
3. Neuropharmacology of drug abuse.
4. Opioids.
5. Cannabis.
6. Alcohol.
7. Depressants: benzodiazepines, barbiturates.
8. Depressants: inhalants.
9. Psychostimulants: cocaine, amphetamines.
10. Psychostimulants: designer drugs.
11. Psychostimulants: smoking and nicotine.
12. Entheogenic drugs, hallucinogens.
13. Dual pathology.
14. Collection, reflectance of samples and interpretation of analytical results.
15. Drugs and work: the PAIMM.

## WORKLOAD

ACTIVITY	Hours	% To be attended
Seminars	26,00	100
Theory classes	19,00	100
Development of group work	10,00	0
Development of individual work	10,00	0
Study and independent work	20,00	0
Readings supplementary material	5,00	0
Preparation of evaluation activities	10,00	0
Preparing lectures	5,00	0
Preparation of practical classes and problem	5,00	0
Resolution of case studies	2,50	0



TOTAL	112,50
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## TEACHING METHODOLOGY

The **theoretical lessons** are based on the exposition, through the professor's master class, of the theoretical content of the subject from different angles: medical-legal, psychiatric and pharmacological. These lessons can be supported by audiovisual materials adapted to each unit. The students' participation will be encouraged.

In the **seminars**, the professor will set specialized topics in depth, case studies, bibliographical management, current topics... That will be linked to the different aspects related with the use of the different drugs, their historical use and the evolution of this use up to nowadays, the study of the drug kinetics with a concrete problems, concrete aspects of the psychiatric pathology and the study of the medical-legal problems related with the drugs abuse. The group work and the oral presentation will be encouraged.

## EVALUATION

It will be a joint assessment (theory-practise), in which the theoretical part implies 50% of the final score in the subject, and the practical being the other 50%. The evaluation will be continuous by taking into account exercises and attendance, as well as the elaboration of an individual project which will include the following three sections (medical-legal, psychiatric and pharmacological), taking particular clinical problems as a base which students may be provided with. Also, students will take a theoretical exam with short-answer questions and multiple choice ones. Students who do not pass the continuous evaluation, do not participate nor will come to 50% of the lessons have to take the final test, consisting out of essay questions and/or multiple choice questions, in order to evaluate the acquisition of theoretical and practical knowledge.

In tests comprising short-answer questions, incorrect answers or blank ones do not affect the result.

In this subject, students will not be allowed to write their test (or even take it before the agreed date) if they have not completed their training (internship).

In order to access to an advance on the call of this subject, it is a requirement that the student has coursed all his/her practices.

Attendance of practices will be compulsory.

## REFERENCES

### Basic

- Lorenzo P, Laredo JM Leza, JC, Lizasoain J. Drogodependencias: farmacología, patología, psicología, legislación. Ed. Médica Panamericana, 2009.



- Escohotado A. Historia General de las Drogas. Espasa Calpe, 1998
- Rudgley R. Enciclopedia de las sustancias psicoactivas. Psiclos, 1999
- Villanueva Cañadas E. Gisbert Calabuig JA. Medicina legal y Toxicología, 6ª ed. Masson, Barcelona, 2004

## **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. Contenidos**

Se mantienen los contenidos inicialmente recogidos en la guía docente

### **2. Volumen de trabajo y planificación temporal de la docencia**

Se mantiene la carga de trabajo que marca en número de créditos, pero modificando las actividades adaptándolas al trabajo por la plataforma virtual dando libertad al estudiante para realizar las actividades de acuerdo a su propia programación.

### **3. Metodología docente**

Se sube el material docente al aula virtual incorporando las explicaciones necesarias para su comprensión, además de plantear problemas clínicos y realizar tutorías en correo electrónico y por videoconferencia a demanda.

### **4. Evaluación**

La evaluación sigue el patrón que esta expuesto en la guía docente con la asistencia a clase los ejercicios evaluables realizados en el aula y se modifica la realización del examen teórico por la realización y presentación de un trabajo basado en problemas psiquiátricos, medico-legales y farmacológicos.

### **5. Bibliografía**

Se empleará básicamente la misma bibliografía de la guía docente.