

**COURSE DATA****DATA SUBJECT****Code:** 34498**Name:** Drug dependencies**Cycle:** Undergraduate Studies**ECTS Credits:** 4.5**Academic year:** 2025-26**STUDY (S)**

Degree	Center	Acad. year	Period
1204 - Degree in Medicine	Facultat de Medicina i Odontologia	3	Second quarter

**SUBJECT-MATTER**

Degree	Subject-matter	Character
1204 - Degree in Medicine	Optional subjects	ELECTIVES

**COORDINATION**

CONESA BURGUET MARIA LLANOS

RINCON VELAZQUEZ SANTIAGO

SARRIA CHUST BENJAMIN

**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

## COMPETENCES / LEARNING OUTCOMES

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Acknowledge diversity and multiculturality.

Capacity for communicating with professional circles from other domains.

Consideration of ethics as a fundamental value in the professional practise.

Criticism and self-criticism skills.

Proper organisation and planning of the workload and timing in professional activities.

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.

Team-working skills and engaging with other people in the same line of work or different.

Understand and recognise source agents and risk factors which determine health status and the development of diseases.

Working capacity to function in an international context.

## DESCRIPTION OF CONTENTS

1. Drug dependence, general characteristics, pathways involved.
2. Drugs in national and international standards, medico-legal aspects of interest.
3. Addictions introduction. Opioid use disorders.
4. Pharmacology of opioids.
5. Alcohol and CNS depressant use disorders.
6. Medico-legal aspects of alcohol and opioid use.
7. Medico-legal aspects of benzodiazepine and inhalant intoxication.
8. Pharmacology of inhalants and nicotine.
9. Nicotine use disorders.
10. Pharmacology of cannabinoids.
11. Cannabinoid use disorders.
12. Medico-legal aspects of cannabinoid and hallucinogenic use.



## 1. THEORETICAL TEACHING.

1. Drug dependence, general characteristics, pathways involved.
2. Drugs in national and international standards, medico-legal aspects of interest.
3. Addictions introduction. Opioid use disorders.
4. Pharmacology of opioids.
5. Alcohol and CNS depressant use disorders.
6. Medico-legal aspects of alcohol and opioid use.
13. Pharmacology of psychostimulants (cocaine, amphetamines, and others).
14. Psychostimulant use disorders.
15. Pharmacology of hallucinogens.
16. Behavioural addictions.

## 2. SEMINARS

1. History of drug use and abuse.
2. Pharmacogenetics and Epigenetics of drug use.
3. Alcohol and alcoholic kinetics brewing problems.
4. New synthetic drugs.
5. The patient with dual pathology.
6. Collection, submission of samples and interpretation of results.
7. Drugs and work: PAIME

## WORKLOAD

### PRESENCIAL ACTIVITIES

Activity	Hours
Theory	19,00
Seminar	26,00
<b>Total hours</b>	<b>45,00</b>

### NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	20,00
Independent study and work	25,00
Preparation of lessons	10,00
Preparation for assessment activities	10,00
Resolution of case studies	2,50
<b>Total hours</b>	<b>67,50</b>

## 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.

The gender perspective, the respect for diversity, and the sustainable development goals (SDGs) will be incorporated into teaching, whenever possible.

## EVALUATION

The evaluation of learning will be joint (theoretical-practical), in which the theoretical-practical part represents 75% of the final grade of the subject and the attendance part up to 25%, which makes up 100% of the grade.

The theoretical evaluation will be carried out through an exam of short questions and/or multiple response questions (test) to which the notes from the continuous evaluation will be added. Each teacher will evaluate their part of the teaching given and then the average of each part plus the attendance will be taken. On the last day of classes, the theoretical-practical evaluation test will be carried out in which, if the student obtains a minimum of 5 points counting attendance and works, he will be excluded from the final exam and his grade will be final.

In the practical evaluation, a continuous evaluation will be carried out through exercises and assistance in addition to preparing individual works that the teacher considers based on clinical problems that will be presented to the student.

Students who do not pass the continuous evaluation and/or who do not participate must take a final test (exam) that will consist of answering different development questions and/or multiple response questions (test) in order to evaluate their acquisition of skills. theoretical-practical knowledge in the event that they have not attended class they will lose 25% of the grade which corresponds to attendance.

In multiple choice exams, wrong and blank answers do not penalize.

Attendance at practical activities is mandatory. The student is considered to meet this requirement if he or she has attended a minimum of 80% of these activities and has adequately justified the impossibility of attending the remaining sessions due to the occurrence of a cause of force majeure. It will be essential to comply with this requirement to pass the subject.



Students are reminded of the importance of carrying out evaluation surveys to all teaching staff of the degree subjects.

## REFERENCES

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- Preedy V. R. editor. Neuropathology of drug addictions and substance misuse. Volumen 2: Stimulants, club and dissociative drugs, hallucinogens, steroids, inhalants and international aspects. Elsevier Academic Press (2016)
- Preedy V. R. editor. Neuropathology of drug addictions and substance misuse. Volumen 3: General Processes and Mechanisms, Prescription Medications, Caffeine and Areca, Polydrug Misuse, Emerging Addictions and Non-drug Addictions. Elsevier Academic Press (2016)
- Koob G.F., Arends M.A., Le Moal M. Drugs, addictions, and the brain. Academic Press, Elsevier inc. (2015)
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- MENÉNDEZ DE LUCAS, J.A. et al. ¿Manual de Medicina Legal y Forense para estudiantes¿, 2ª ed. Ed. Elsevier Masson, S.L., Barcelona, 2020.
- Miller WR., Rollnick. La entrevista motivacional 3ª ed., 2015 Ed. Paidós Ibérica.
- RECURSOS e-Salut:
  - ClinicalKey Student Medicina, Odontología y Enfermería [<https://uv-es.libguides.com/RecursosSalut>]
  - Acces Medicina [[https://uv-es.libguides.com/Access\\_Medicina](https://uv-es.libguides.com/Access_Medicina)]
  - Médica Panamericana [[https://uv-es.libguides.com/Medica\\_Panamericana](https://uv-es.libguides.com/Medica_Panamericana)]