

Degree programme	Type	Course
Medicine	OP	2

Contact lecturer

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Teaching staff

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Group languages

You can consult this information at the [end](#) of the document.

Prerequisites

Basic knowledge of basic psychological processes. Understanding of English

Objectives

The subject Drugs and Addictive Behaviors is taught in the second year of the Medicine degree. The general objective of the subject is to ensure that students know the dynamics of addictive behavior from a psycho- and neurobiological perspective.

The course offers a current view of the various neurobiological and psychological mechanisms involved in the initiation and maintenance of addictive behavior, with special emphasis on the most outstanding scientific findings from basic and applied perspectives. Basic concepts will be introduced to understand addictions (tolerance, dependence and withdrawal syndrome, among others).

The neurobiological and psychological mechanisms underlying drug dependence as well as the properties of the different substances considered as addictive and behaviors classified as behavioral addictions will be explained. Mention will be made of the most common diagnoses, treatments and therapeutic utilities of each of the different drug families.

Learning outcomes

1. Identify adaptive and non-adaptive lifestyles for physical and mental health.
2. Predict individual risk variables for physical and mental health.
3. Draw up a plan to promote healthy behaviours in different types of patients and circumstances.
4. Identify the biological, psychological and social mechanisms of mental disorders in childhood/adolescence, adulthood and old age, and aggressive behaviour, addictive habits and

- anomalies in sexual behaviour.
- 5. Establish links between behaviour patterns, personality and health.
- 6. Use scientific thought in discussions of physical and mental health.
- 7. Discuss findings from reliable studies and argue for future strategies in various areas of mental health, from a scientific perspective.
- 8. Argue for future strategies in various areas of mental health, from a scientific perspective.

Contents

- Topic 1. Basic concepts about addictions.
- Topic 2. Explanatory mechanisms of drug use.
- Topic 3. Animal models of drug consumption.
- Topic 4. Behavioral addictions: gambling, internet, etc.
- Topic 5. Caffeine and other xanthines.
- Topic 6. Nicotine and smoking.
- Topic 7. Cannabinoids.
- Topic 8. Alcohol and alcoholism.
- Item 9. Cocaine and amphetamine.
- Topic 10. Design drugs.
- Topic 11. Heroin and other opiates.
- Topic 12. Evaluation, diagnosis and treatment of addictive behavior.

PRACTICAL AND TUTORED CONTENTS

1. PRACTICAL Activities (Classroom):

- TALK / DEBATE "ALCOHOLIC ANONYMOUS"

- PRESENTATIONS OF CASES, WORKED IN GROUP, ON "EVALUATION, DIAGNOSIS AND TREATMENT OF THE ADDICTIONS"

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
THEORY (TE)	20	0.8	
ELABORATION OF WORK / PERSONAL STUDY / READING OF ARTICLES / REPORTS OF INTEREST	43	1.72	1, 2, 3, 4, 5, 6, 7, 8
SUPERVISED/TUTORED ACTIVITY	3.25	0.13	1, 2, 3, 4, 5, 6, 7, 8
CLASSROOM PRACTICES (PAUL)	2	0.08	1, 2, 3, 4, 5, 6, 7, 8
SPECIALIZED SEMINARS (SESP)	2.75	0.11	1, 2, 3, 4, 5, 6, 7, 8

The subject consists of the following training activities:

- Theoretical classes: There will be several sessions, previously scheduled, in which subjects from 1 to 12 will be taught.
- Specialized seminars: There will be a seminar on evaluation, diagnosis and treatment of addictive behavior. They will take place in a classroom with a previously scheduled schedule.
- Classroom practice: There will be a classroom practice related to topic 8 of the subject, where clinical cases will be studied.
- Virtual classes: Various self-learning resources will be provided through the Virtual Campus.

All the information related to the subject, such as the general regulations of the course, schedule of classes and practices, mechanics of review of exams, notices and notes, will be found in the Virtual Campus, which will be the official means of communication with the students.

Annotation: within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continuous assessment activities

Title	Weight	Hours	ECTS	Learning outcomes
2 WRITTEN EVALUATIONS THROUGH OBJECTIVE TESTING, MULTIPLE CHOICE ITEMS	40 % each	3	0.12	1, 2, 3, 4, 5, 6, 7, 8
ASSISTANCE AND ACTIVE PARTICIPATION IN CLASSES AND SEMINARS	20 %	1	0.04	1, 2, 3, 4, 5, 6

Requirements to pass the subject

Multiple choice tests: Minimum grade of 5.0 in each of the two parts.

Seminar and classroom practices: Attendance and minimum grade of 5.0 (APT) in the evaluation that takes place in the classroom -the day the activity is scheduled- or through works or questions that have to be answered / presented through the Campus Virtual-UAB, within the deadline set by the faculty. The joint evaluation of these activities will suppose 20% of the final grade of the subject.

Multiple choice tests (80% of the final grade) Partial eliminatory evaluation

There will be two partial elimination exams. The first part will include questions from topics 1 to 6 and tutored activities/lessons. The second partial will include questions from topics 7 to 12 and seminars and classroom practice. Students who participate and pass the exams (one or both) with a grade of 5.0 or higher will have passed the part of the corresponding subject.

The multiple choice questions will have five alternatives, random guesses will be deducted (correct answers - $\frac{1}{4}$ of the errors) and the note will be converted decimally. The correction of the tests will be submitted to all the psychometric requirements.

If the two partial marks are equal to or greater than 5.0, the final grade will be calculated by making the average of the two partial marks. If one or two partial notes are less than 5.0, the subject will not have been passed and it will be necessary to submit to the next call (final exam, or recovery exam).

Recovery exam

This test will have the same format as the previous qualifying partial exams as long as there are at least 10 students who have to recover a partial. There will be an exam that will correspond to the first part of the course (first part) and another that will correspond to the second part (second part). Students will have to do a partial or both (separately) depending on the subject that has been passed (grade of 5.0 or higher) in the partial exams.

If there are less than 10 students with a partial exam pending, then the make-up exam for each partial will be in the format of 10 short open questions (to be developed in 8 lines or less).

About the "Not AVALUABLE" grade

Students who do NOT complete the 2 partial exams (or the RECOVERY exam) will be considered as "NOT AVALUABLE" (NA) and this grade will be placed in the official ACTS.

NOTE ABOUT "AI".-

In this subject, the use of Artificial Intelligence (AI) technologies is not allowed

in any of its phases. Any work that includes fragments generated with AI will be considered a lack of academic honesty and may lead to a partial or total penalty in the grade of the activity, or major sanctions

in serious cases.

This subject/course does not incorporate the option of \"single assessment\".

Bibliography

Echeburúa, E. (1999). *¿Adicciones... sin drogas? Las nuevas adicciones: Juego, Sexo, Comida, Compras, Trabajo, Internet...* Bilbao: Descleé de Brouwer.

Feldman, R. S., Meyer, J. S. y Quenzer, L. F. (1997). *Principles of neuropsychopharmacology*. Sunderland, Massachusetts: Sinauer Associates, Inc.

Fernández-Teruel, A. (2008). *Farmacología de la conducta. De los psicofármacos a las terapias psicológicas*. Bellaterra, Barcelona: Servei de Publicacions de la UAB.

Díaz-Morán S. and FERNÁNDEZ-TERUEL A. (2013) Integration and interactions among pharmacological and psychological treatments of addictions: a review (Integración e interacciones entre los tratamientos farmacológicos y psicológicos de las adicciones: una revisión). *Annals of Psychology-Anales de Psicología*, 29 (1): 54-65.

Goldstein, A. (2003). *Adicción: de la biología a la política de drogas*. Barcelona: Ars Medica. Graña, J. L. (1994). *Conductas adictivas: teoría, evaluación y tratamiento*. Madrid: Debate.

George Koob, Michael Arends, Michel Le Moal (2014) *Drugs, Addiction, and the Brain*. Elsevier

Lorenzo, P., Ladera, J.M., Leza, J.C. y Lizasoain, I. (2009). *Drogodependencias: Farmacología. Patología. Psicología. Legislación*. Madrid: Médica Panamericana.

Snyder, S.H. (1996). *Drugs and the brain*. New York: Scientific American Library.

Stahl S. (2012) *Stahl's Illustrated Substance Use and Impulse Disorders*. Cambridge: Cambridge University Press

Relevant links

<http://www.socidrogalcohol.org/> (Sociedad Científica Española de estudios sobre el alcohol, el alcoholismo y las otras toxicomanías).

Monographs: alcoholismo/alcohol, opiáceos, tabaco, cannabis, cocaína, drogas recreativas.

Clinical guides : alcoholismo, opiáceos, tabaquismo, cocaína.

Handbooks: *Manual de adicciones para médicos especialistas en formación*, *Manual de adicciones para psicólogos especialistas en psicología clínica en formación*.

<http://www.nida.nih.gov/> (National Institute on Drug Abuse). Drugfacts

Infofacts Topics in brief

<http://www.pnsd.msc.es/> (Plan Nacional sobre Drogas).

<http://www.aspb.es/quefem/atenciodroga.htm> (Agència de Salut Pública. Pla d'acció sobre drogues de Barcelona).

<http://www.who.int/es/> (Organización Mundial de la Salud).

<http://www.emcdda.europa.eu/> (European Monitoring Centre for Drugs and Drug Addiction).

<http://www.irefrea.org/> (Instituto Europeo de Estudios en Prevención).

- NIDA (National Institute of Drug Abuse, USA) web

Software

No specific programs (software) required.

Course groups and languages

The information provided is provisional until November 30. After this date, you will be able to consult the language of each group through this [link](#). To access the information, you will need to enter the course CODE

Type of teaching	Group	Language	Semester	Shift
(TE) Theory	101	Catalan/Spanish	second semester	morning-mixed
(PAUL) Classroom practices	101	Catalan	second semester	morning-mixed
(SEM) Seminars	101	Catalan/Spanish	second semester	morning-mixed
(PAUL) Classroom practices	102	Catalan/Spanish	second semester	morning-mixed
(SEM) Seminars	102	Catalan/Spanish	second semester	morning-mixed
(SEM) Seminars	103	Catalan/Spanish	second semester	morning-mixed