

Degree programme	Type	Course
Medicine	OB	6

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Group languages

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

Prerequisites

It is necessary for the student to have basic clinical knowledge of medical and surgical pathology and general ho:

Objectives

The subject corresponds to the last year of the Degree in Medicine (6th year), once the student knows the scienti Consolidate attitudes, aptitudes and abilities of the student to train him in the resolution of prevalent health proble

Learning outcomes

1. Describe the person as a multidimensional being in which the interplay of biological, psychological, social, environmental and ethical factors determines and alters the states of health and disease and their manifestations.
2. Explain ethical, legal and technical features and those of confidentiality related to patient documentation.
3. Interact with other specialists in treating patients with a complex or multiorganic pathology.
4. Respect patients' religious, ideological and cultural convictions, unless these conflict with the Universal Declaration of Human Rights, and prevent one's own convictions from impinging on patients' decision-making capacity.
5. Report all professional activities with scrupulous accuracy in individual patient records, both to serve as a reminder of the actions taken and to facilitate follow-up work by colleagues.
6. Identify the main activities of health promotion and disease prevention.
7. Explain the economic and social implications of medical intervention, using criteria of effectiveness and efficiency.
8. Describe the main genetic, sexual, age, lifestyle, environmental, social, economic, psychological and cultural factors that may modify the therapeutic and toxic response of a drug.
9. Describe the organ and system involvement and forms of presentation of diseases of the respiratory, circulatory and digestive systems, blood and hematopoietic organs, nervous system, musculoskeletal system, genitourinary system, metabolism and endocrine system.
10. Assess the relationship between efficacy and risk in the main therapeutic interventions.
11. Evaluate the appropriate scientific methodology for a biomedical paper.
12. Write a review paper on a current topic in the field of medicine.
13. Make a record that includes the personal, physiological and pathological antecedents of the illness, as well as the main symptoms of diseases of the respiratory, circulatory and digestive systems, blood and hematopoietic organs, nervous system, musculoskeletal system, genitourinary system, metabolism and endocrine system.
14. Perform a suitable physical examination for the main infectious diseases, diseases of the blood, of the elderly, and of the hematopoietic system, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the renal and genitourinary system, the retroperitoneal system and the musculoskeletal system.
15. Perform basic techniques for the examination and functional assessment of physiological systems.
16. Indicate the basic complementary examinations for interpreting the manifestations of the illness in the different organs and systems of the human body.

17. Order signs and symptoms to perform a differential syndromic diagnosis.
18. Perform basic and advanced life support manoeuvres.
19. Describe the concept of risk-benefit in medical therapy.
20. Describe how health is not merely the absence of disease but also all physical, psychological and social conditions that allow maximum plenitude and autonomy of the person.
21. Provide the bases for preparing clinical guides and constructing diagnostic and therapeutic algorithms.
22. Describe the communication process and its effect on the professional caregiverpatient relationship.
23. Give patients the maximum possible information about their health, diagnostic steps, complementary examinations and treatments in an appropriate way.
24. Communicate appropriately with patients and their family-members.
25. Critique scientific papers on bioinformatics.
26. Communicate clearly, orally and in writing, with other professionals and the media.
27. Use information and communication technologies in professional practice.
28. Know the main forms of preventive immunotherapy, especially vaccines, and the mechanism by which they confer protection.
29. Correctly write reports on the results of genetic tests.
30. Apply the principles of equity in all areas of application of public health.
31. Describe the main communicative skills for a clinical interview.
32. Recognise the clinical manifestation of affective disorders and anxiety disorders.
33. Students must have and understand knowledge of an area of study built on the basis of general secondary education, and while it relies on some advanced textbooks it also includes some aspects coming from the forefront of its field of study.
34. Students can apply the knowledge to their own work or vocation in a professional manner and have the powers generally demonstrated by preparing and defending arguments and solving problems within their area of study.
35. Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
36. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
37. Identify situations that require improvement or change.
38. Analyse a situation and identify its points for improvement.
39. Propose new experience-based methods or alternative solutions.
40. Weigh up the risks and opportunities of one's own ideas for improvement and proposals made by others.
41. Propose new ways to measure success or failure when implementing ground-breaking proposals or ideas.
42. Explain the explicit or implicit deontological code in your area of knowledge.
43. Critically analyse the principles, values and procedures that govern the exercise of the profession.
44. Weigh up the impact of any long- or short-term difficulty, harm or discrimination that could be caused to certain persons or groups by the actions or projects.
45. Propose projects and actions in accordance with the principles of ethical responsibility and respect for fundamental rights, diversity and democratic values.

Contents

Total hours: 132 h

Overall breakdown:

- In-person: 53 h - 40%
- Independent study: 70 h - 53%
- Assessment: 9 h - 7%

Guided activities:

- Overview of the course and introduction to simulation: 6 h
- Clinical skills practice (PHCA): 20 h
- Advanced human simulation practice (PSCA): 24 h

- Pharmaceutical Prescription in Medicine (SEM): 3 h

Independent Activities:

- Preparation of the theoretical content for the Objective Structured Clinical Examination (OSCE): 35 h
- Preparation of the practical content for the Objective Structured Clinical Examination (OSCE): 35 h

Assessment:

- Continuous assessment: 9 h

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Pràctiques de Simulació Avançada en Humans (PSCA)	24	0.96	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
AUTONOMOUS ACTIVITIES	66.65	2.666	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
Pràctiques d'Habilitat Clínica (PHCA)	20	0.8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
Seminaris (SEM)	3	0.12	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 16, 17, 18, 19, 20, 22, 23, 24, 26, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 43, 44, 45
THEORETICAL CLASSES (TH)	6	0.24	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

The subject will be taught in the following teaching typologies:

1.- THEORETICAL CLASSES (6 hours of TH)

a) Global Presentation of the Subject: at the beginning of the course, those responsible for the course will explain what is the Objective and Structured Clinical Assessment. Likewise, there will be a global presentation of the objectives, competences, content and evaluation of the course (Hospital Medicine/Family and Community Medicine/General Surgery and Orthopedic Surgery/Psychiatry/Gynecology and Obstetrics/Pediatrics).

b) General Aspects of Clinical Simulation: Introduction to Clinical Simulation.

2.- CLINICAL SKILLS PRACTICES (20 h of PHCA) These practices will be developed fundamentally in the skills classroom in groups of 5 to 12 students that will be divided into 15 students. The students will attend 5 skills sessions from different areas at a rate of 4 hours of Medicine, 4 hours of MFand C, 4 hours of General Surgery and Orthopedic surgery, 4 hours of Psychiatry, 2 hours of Gynecology/Obstetrics and 2 hours of Pediatrics.

3.- ADVANCED SIMULATION PRACTICES IN HUMANS (24 h of PSCA) These practices will be developed in

the simulation and debriefing classroom in groups of 12 to 14 students that will split into 16 students. Transversal and specific competences will be consolidated thanks to the resolution of 6 scenarios (Hospital Medicine/Family and Community Medicine/General Surgery and Orthopedic Surgery/Psychiatry/Gynecology and Obstetrics/Pediatrics). The scenarios will be created between professors from the 4 UD's of the UAB. The student will attend 6 simulation sessions, specifically 5 hours for Hospital Medicine, 5 hours for Family and Community Medicine and C, 5 hours for General Surgery and Orthopedic Surgery, 5 hours for Psychiatry, 2 hours for Gynecology/Obstetrics and 2 hours for Pediatrics. Based on these practices, students will be given instruments to solve different problems.

4.- SEMINARS (3h of SEM) The seminars will be given in groups of 20 students who will split into 25 students who will receive and review how to make the pharmaceutical prescription in medicine. These seminars will be given by pharmacologists and the content will include basic rules of pharmacotherapy in hospital and Primary prescription in adults and children.

Exceptionally and according to the criteria of the responsible teaching staff, the available resources and the health situation at each moment, part of the contents corresponding to the theoretical and practical lessons and seminars may be taught in person or virtually.

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
Attendance and active participation in class: Presentation assigned What are the ACOEs?, General Aspects of Clinical Simulation	5%	1.3	0.052	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
Assistance to the skills and simulation sessions: Evaluation of a practical type of simulation, Evaluation of a practical type of technical skills	50%	1.3	0.052	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
Evaluation of the learning achieved and the participation in the simulation sessions	40%	1.45	0.058	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
Assistance and active participation in the Pharmacotherapy Specialization Seminar	5%	1.3	0.052	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

TITLE /WEIGHT (%)

1.- Attendance and active participation in class: 5%

- Presentation 2%
- What is the Structured Objective Clinical Assessment? 1%
- General Aspects of Clinical Simulation 2%

2.-Assistance and active participation in the Pharmacotherapy Specialization Seminar 5%

3.- Assistance to the skills and simulation sessions: 50%

- Simulation sessions 25%
- Technical skills workshops 25%

4.- Evaluation of the learning achieved and the participation in the simulation sessions 40%

TOTAL 100%

The evaluation system will be based on attendance at theoretical classes (5%) (Presentation of the subject (2%), What is the Structured Objective Clinical Assessment? (1%) and General Aspects of Clinical Simulation (2%)), in the assistance and active participation in simulation practices (25%) and learning of technical skills (25%) and in the evaluation of students during simulation sessions and learning of technical skills (40%). Regarding the attendance and active participation in the simulation practices and the learning of technical skills, the evaluation will be done according to a scale that will take into account the % of sessions that the student has attended. In this sense, 100% of the grade will be awarded if you attend 100% of the sessions, 90% of the grade if you attend 90%, 80% of the grade if you attend 80%, and so on. until giving it a 0 if the student attends less than 60% of the simulation and skills sessions. Since the subject is fundamentally practical, students will be "NOT EVALUABLE" if they have not attended at least 60% of the simulation sessions and skills workshops. Any proof of recovery is excluded. This subject does not provide the single assessment system.

"Any irregularity in an assessment (academic fraud, plagiarism, or misuse of AI, unless such use is expressly authorized in the course syllabus) that could lead to a significant change in the grade will result in that assessment being graded as a 0. If the course syllabus stipulates that passing the course requires obtaining a minimum grade on this assessment, or if multiple irregularities occur in the assessments for the same course, the final grade for that course will be 0. In addition, disciplinary proceedings may be initiated against any student who commits any of these irregularities."

Bibliography

the bibliography will be provided by each department involved in the course program in each teaching unit

Software

Non applicable

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