

Degree programme	Type	Course
Medicine	OB	6

Contact lecturer

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Group languages

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

Prerequisites

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You must have passed at least two thirds of the total credits of the study plan (240 ECTS)

Have passed all the subjects of the first and second year of the degree. In addition, it is also recommended

"For this subject, the use of Artificial Intelligence (AI) technologies is permitted exclusively in support tasks

Objectives

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The student must prepare the formulation of a research project to achieve the following objectives:

To formulate a problem or research question identifying the different components of the statement.

To carry out a bibliographic review of the scientific evidence that exists on the chosen research problem.

To write the antecedents or theoretical framework, scientific basis of the research question.

To formulate the hypothesis and research objectives. To justify the usefulness and applicability of the research.

To specify the appropriate methodology to achieve the research objectives.

To consider potential ethical conflicts.

To develop a work plan with a schedule that guarantees that the research project is viable over time.

To define the research team and estimate the budget.

Learning outcomes

1. Interpret health indicators.
2. Write a review paper on a current topic in the field of medicine.
3. Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
4. Organise and plan time and workload in professional activity.
5. Convey knowledge and techniques to professionals working in other fields.
6. Be able to work in an international context.
7. Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
8. Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
9. Demonstrate basic research skills.
10. Communicate clearly, orally and in writing, with other professionals and the media.
11. Demonstrate a sufficient command of English, both oral and written, for effective scientific and professional communication.
12. Use information and communication technologies in professional practice.
13. Identify suitable concepts and methodologies for developing appropriate research projects in medicine.
14. Identify the main experimental techniques in medicine and their usefulness to basic and applied research.
15. Analyse information from experiments and clinical trials.
16. Identify the health needs of the population.
17. Explain the principles of health demography.
18. Interpret the scientific literature and the results of scientific studies.
19. Interpret the results of experimental techniques in medicine.
20. Interpret scientific texts and write review papers on medicine.
21. Obtain information from medical databases.
22. Present orally a summary of the review paper.

Contents

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Individual students must prepare a research project for which they must present a written report*. The recommended length is 4200 words, and you can present up to 4 figures and five tables, very demonstrative and containing a didactic message by themselves. Annexes with supplementary material can be presented.

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The following sections must be included with content adapted to the type of methodology used (quantitative-qualitative):

Title and author
Background
Initial hypothesis and objectives
Material and methods
work plan schedule
Expected results, applicability
Diffusion plan
Research team.
Budget
Bibliography.

Students must present and defend their project in front of a court with audiovisual support.

* Some end-of-degree work proposals may be linked to Service Learning (ApS) projects. These social commitment projects allow the student to train by participating in a project aimed at solving a real need in a community and thus improving people's living conditions or the quality of the environment (for more information <http://pages.uab.cat/aps>).

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Manuscript and preparation slides for oral presentation	159	6.36	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
Research project	8	0.32	1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21

The end-of-degree work is done individually and does not involve practical work. Topic: the student can choose the topic of his/her work freely according to the record. The professors of the different departments of the Faculty will provide an indicative list of areas of interest in research. Tutor assignment: each student will have a tutor who will monitor their work. Follow-up: attendance at face-to-face (or virtual*) tutorials is mandatory. In the case of Erasmus students, an agreement will be made with the tutor. Tutoring will be done individually. The tutor and the students will choose the tutoring dates from those proposed in the subject's calendar. The tutor will continuously evaluate the work done by the student in 3 reports. The student will present a preliminary draft of the deliverables to the tutor sufficiently in advance for him/her to make the appropriate corrections and return it to him/her. On the scheduled dates, the student will make the final assignments that will be evaluated. Oral presentation: it is mandatory. Students will make an oral presentation and defense of their work in front of a panel made up of teachers, in person or virtually (*). Final documentation to deliver: Each student must deliver to his/her tutor a PDF copy of the computerized files of the written memory of the work and the support for the oral memory (using the TFE computer tool) * Depending on the restrictions on presence imposed by the health authorities.

Coordinators of TFG: General coordinator: Dra. Eva Martínez Cáceres

Coordinators at the UDH: Hospital de Sant Pau: Dr. Jose Pablo Maroto Rey; CH Parc Taulí: DR. Xavier Serra

Aracil; Hospital Vall d'Hebron: Dr. Albert Selva O'Callaghan; Hospital Germans Trias i Pujol: Dra. E. Martinez Cáceres

Note: 15 minutes will be set aside after the oral presentation, within the schedule established by the center/degree, for students to complete the evaluation surveys of the teachers' performance and evaluation of the subject/module.

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
Written report	40%	7	0.28	1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 17, 18, 21, 22
Oral Defense of the work	60%	1	0.04	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22

The evaluation of the Final Degree Thesis is based on the tutor's monitoring of the student's work and on the assessment made by a panel made up of 3 professors of the defense and oral presentation. The TFG qualification will consist of the following components, a. Tutor assessment. (0-10, 40% of the grade). It evaluates the involvement, rigor and commitment of the student to the work in addition to the rubrics of each tutoring session and the final report: The initial session (10%), Intermediate session/progress (25%) The final session (25%) Memory evaluation (40%). b. Evaluation of the court (0-10, 60% of the grade). It evaluates the work done by the student himself, as well as his communication skills and the ability to defend the work presented. (*) Conditions for calculating the final grade 1. That the score of the initial evaluation session is equal to or higher than 5. In the case of a lower score, the student will not be able to continue the work and his qualification will be NON-ASSESSABLE. 2. Considering that the first criterion is met, the other condition is that the score of the evaluation of the final session and of the evaluation of the memory is equal to or higher than 5. In the case of a score lower than 5, the student will not be able to make the oral presentation and his qualification will be SUSPENDED. 3. If the oral presentation and defense is in English, the increase of up to 0.5 points in the final grade will be considered

Students who do not take both the theoretical (report) and practical (oral presentation) assessment tests will be considered "Not Evaluable", exhausting their rights to enroll in the subject

* The proposed assessment may undergo some modification depending on the restrictions on attendance imposed by the health authorities.

This subject/module does not provide for the single assessment system.

The performance of any irregularity in an evaluation act (academic fraud, plagiarism or improper use of AI, unless this use is expressly authorized by the teaching guide), which may lead to a significant variation in the grade, assumes that this act will be graded with a 0. In the event that the teaching guide foresees that in order

to pass the subject it is an essential requirement to have obtained a minimum grade in this evaluation act or that there are several irregularities in the evaluation acts of the same subject, the final grade of this subject is 0. Apart from this, a disciplinary process may be instructed to the student that incurs any of these irregularities.

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1. https://bibcercador.uab.cat/permalink/34CSUC_UAB/1eqfv2p/alma991010763032706709

Software

TFE program

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