Universitat Autònoma de Barcelona

2023/2024

Bachelors Degree Final Project

Code: 106721
ECTS Credits: 7

Degree	Type	Year	Semester
2502442 Medicine	OB	6	0

Contact

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Teaching groups languages

You can check it through this link. To consult the language you will need to enter the CODE of the subject.
Please note that this information is provisional until 30 November 2023.

Teachers

Manuel Armengol Carrasco

Javier Serra Aracil

Agusti Barnadas Molins

Prerequisites

- 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 de

Objectives and Contextualisation

- 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 res

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.

Competences

- Be able to work in an international context.
- Communicate clearly, orally and in writing, with other professionals and the media.
- Convey knowledge and techniques to professionals working in other fields.
- Critically assess and use clinical and biomedical information sources to obtain, organise, interpret and present information on science and health.
- Demonstrate a sufficient command of English, both oral and written, for effective scientific and professional communication.
- Demonstrate basic research skills.
- Demonstrate understanding of basic statistical methodologies used in biomedical and clinical studies and use the analytic tools of modern computational technology.
- Demonstrate understanding of the importance and the limitations of scientific thought to the study, prevention and management of diseases.
- Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
- Design and manage programmes and projects in the field of health.
- Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
- Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
- Organise and plan time and workload in professional activity.
- Use information and communication technologies in professional practice.

Learning Outcomes

1. Analyse information from experiments and clinical trials.
2. Be able to work in an international context.
3. Communicate clearly, orally and in writing, with other professionals and the media.
4. Convey knowledge and techniques to professionals working in other fields.
5. Demonstrate a sufficient command of English, both oral and written, for effective scientific and professional communication.
6. Demonstrate basic research skills.
7. Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
8. Explain the principles of health demography.
9. Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
10. Identify suitable concepts and methodologies for developing appropriate research projects in medicine.

11. Identify the health needs of the population.
12. Identify the main experimental techniques in medicine and their usefulness to basic and applied research.
13. Interpret health indicators.
14. Interpret scientific texts and write review papers on medicine.
15. Interpret the results of experimental techniques in medicine.
16. Interpret the scientific literature and the results of scientific studies.
17. Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
18. Obtain information from medical databases.
19. Organise and plan time and workload in professional activity.
20. Present orally a summary of the review paper.
21. Use information and communication technologies in professional practice.
22. Write a review paper on a current topic in the field of medicine.

Content

- Individual students must prepare a research project for which they must present a written report*. The rec

  The following sections must be included with content adapted to the type of methodology used (quantitativ

  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 co

Methodology

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 t
Tutor assignment: each student will have a tutor who will monitor their wo
Follow-up: attendance at face-to-face (or virtual*) tutorials is mandatory.
The tutor will continuously evaluate the work done by the student in 3 rep
Oral presentation: it is mandatory. Students will make an oral presentatic
Final documentation to deliver: Each student must deliver to his/her tutor
* Depending on the restrictions on presence imposed by the health auth
Note: 15 minutes will be set aside after the oral presentation, within the s

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.

Activities

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

Assessment

The evaluation of the Final Degree Thesis is based on the tutor's monitoring of the student's work and on the ass
The TFG qualification will consist of the following components,
a. Tutor assessment. (0-10, 50% of the grade). It evaluates the involvem
The initial session (10%),
Intermediate session/progress (25%)
The final session (25%)

Memory evaluation (40%).
b. Evaluation of the court (0-10, 50% of the grade). It evaluates the work
Conditions for calculating the final grade
1. That the score of the initial evaluation session is equal to or higher tha
2. Considering that the first criterion is met, the other condition is that the
3. If the oral presentation and defense is in English, the increase of up to
* The proposed assessment may undergo some modification depending

This subject/module does not provide forthe single assessment system.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Oral Defense of the work	50%	1	0.04	1, 3, 6, 7, 4, 8, 9, 10, 11, 12, 13, 15, 16, 14, 17, 18, 19, 20, 21
Written report	50%	7	0.28	1, 3, 5, 6, 7, 4, 8, 9, 10, 11, 12, 13, 15, 16, 14, 17, 18, 19, 20, 22, 2

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Software

TFE program