

68426 - Research in medical specialties

Syllabus Information

Academic year: 2024/25

Subject: 68426 - Research in medical specialties

Faculty / School: 104 - Facultad de Medicina

Degree: 530 - Master's in Introduction to Medical Research

ECTS: 6.0

Year: 1

Semester: First semester

Subject type: Compulsory

Module:

1. General information

This subject provides knowledge of the scientific and academic environment in which different research lines and projects are developed. In this real-world context, the student will learn by example how to design and execute a research project. Each section of the subject presents the particular aspects of how to adapt the theory of research protocols to the implementation in practical research.

Objectives:

1. To know the research on the main health problems in medical diseases with the highest prevalence.
2. To identify gaps in scientific evidence where research is needed.
3. To reason and design clinical studies in our environment.

2. Learning results

Upon completion of the subject, students will improve their ability to critically analyse the methodology, results and conclusions of the different clinical studies and to propose a research project in the unresolved aspects contemplated in the different specialties of medicine.

In order to pass the course, the student must demonstrate the following results:

1. To propose a research project on unresolved aspects of the different specialties of medicine.
2. To perform a critical analysis of the available evidence and identify a problem or unproven hypothesis.
3. To propose objectives consistent with the hypotheses proposed and select the appropriate material and methods for their development.

The student will have been introduced to the research's scientific and academic environment. The student must actively participate through the tutored **critique** of a research project on one of the parts of the subject.

3. Syllabus

- Research in internal medicine
- Research in family medicine
- Infectious disease research
- Oncology research
- Cardiology and atherosclerosis research
- Research in endocrinology, obesity, nutrition and metabolic diseases
- Research in pneumology and allergology
- Neurology research
- Gastrointestinal and liver disease research
- Research in nephrology
- Research in psychiatry

4. Academic activities

Theoretical classes: each chapter of the contents of the syllabus will be presented, analysed and discussed by the teacher.

- Formal and structured presentation of the state of the question
- Presentation of a specialized scientific or journalistic article or protocol

- Group discussion
- Conclusions

Directed work: each student must conduct a work related to one of the aspects covered in the development of the subject.

5. Assessment system

Three aspects will be considered in the subject's assessment: attendance and participation, tutored work, and final objective test with the following percentages

- Attendance/participation **50%**.
- Tutored work **10%**.
- Final objective test **40%**.

Attendance is considered essential, and it will not be possible to pass the subject if two thirds of the sessions are not attended (it will not be possible to justify the non-attendance to this minimum). In case of non-attendance to any session, the absence must be justified (maximum one third of the sessions). Unexcused non-attendance at any session may result in a grade of 0 in this section.

The final objective test will take place on the last day of the term and attendance is mandatory (except for reasons of force majeure, which must be justified. This does not include work-related reasons).

6. Sustainable Development Goals

- 3 - Good Health & Well-Being
- 4 - Quality Education
- 9 - Industry, Innovation and Infrastructure