

68401 - Scientific method

Información del Plan Docente

Academic Year	2017/18
Faculty / School	104 - Facultad de Medicina
Degree	353 - Master's in Introduction to Medical Research 530 - Master's in Introduction to Medical Research
ECTS	6.0
Year	---
Semester	Indeterminate
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

5.2.Learning tasks

5.3.Syllabus

The course will address the following topics:

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Section I. Scientific research, development, and innovation (R+D+I)

- Topic 1. Science & Technology Policy: a historical development
- Topic 2. Biomedical research programs in Aragon
- Topic 3. The curriculum vitae (CV) for research activities
- Topic 4. Research Methodology: Phases of the process
- Topic 5. Critical reading of a medical journal article
- Topic 6. Ethical and legal implications of medical research
- Topic 7. Types of research designs: quantitative and qualitative studies
- Topic 8. Scientific activities as indicators

Section II. Medical documentation and information

- Topic 9. Databases Information Retrieval System (SRI)
- Topic 10. Bibliometric analysis: methodology and results
- Topic 11. International databases: PubMed, Embase
- Topic 13. Hispanic databases: IME, ISOC IBECS, Latindex
- Topic 14. Cochrane for Evidence-Based Medicine (MBE)
- Topic 15. Databases of scientific impact indicators: WOS, JCR

5.4.Course planning and calendar

Further information concerning the timetable, classroom, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the Faculty of Medicine <https://medicina.unizar.es/>.

5.5.Bibliography and recommended resources