Universidad Zaragoza

Academic Year/course: 2023/24

68410 - Microbiology research; parasitology, immunology

Syllabus Information

Academic year: 2023/24
Subject: 68410 - Microbiology research; parasitology, immunology
Faculty / School: 104 - Facultad de Medicina
Degree: 530 - Master's in Introduction to Medical Research
ECTS: 5.0
Year: 1
Semester: Second semester
Subject type: Optional
Module:

1. General information

This elective subject has a load of 5 ECTS.

The learning activities consist of face-to-face classes and the planning, elaboration and presentation of a project or research work that will be assessed as a final objective test.

2. Learning results

Skills:

-To propose a research project in clinical microbiology, molecular microbiology, parasitology or immunology.

-To know the appropriate techniques for the performance of the chosen line of research.

Competencies:

- To review the state of knowledge on a topic

-To critically analyse the available evidence

-To identify a problem or an untested hypothesis

-To propose objectives consistent with the hypotheses proposed.

-To select the appropriate material and methods for their development.

-To use appropriate bibliographic sources and critically analyse the information obtained.

-To work in a self-directed mode

-To communicate findings effectively and accurately

-To present and defend the project

3. Syllabus

Some of the research lines and projects in clinical microbiology, molecular microbiology, parasitology and immunology that are being developed in the department will be presented. The objectives pursued, the methods used to achieve them, the results obtained, their degree of agreement or discrepancy with respect to the related bibliography and the main conclusions and lines of progress to which the findings have led will be analysed.

4. Academic activities

Teaching methodology

Face-to-face classes, preparation of individual assignments and tutorials

Face-to face classes will be held on **Monday** afternoons, from 4:00 pm to 8:00 pm.

5. Assessment system

Attendance and participation in face-to-face classes: 30%.

Design, preparation and presentation of the work: 70%.

Production and presentation of work

Each student must write a paper on a topic chosen by them and related to the contents of the subject.

Papers must be submitted before May 1, 2024 (June call) or before July 1 (2nd call).

Each teacher of the subject will guide and supervise the work of a maximum of 2 students.

In order to achieve a close teacher/student ratio, each student should contact a teacher to arrange tutoring schedules, etc.

The papers will have the format of a research project that will include at least the following items:

- Abstract (maximum 300 words).
- Introduction, including the purpose of the project; the background and current state of scientific and technical knowledge, and the most relevant bibliography(maximum 3 pages).
- Objectives of the research project (maximum 500 words).
- Methodology and temporary planning of the work (maximum 3 pages).
- Expected results of the project (maximum 1 page).
- Dissemination and exploitation plan of the expected results (maximum 1 page).