

60464 - Interdisciplinary seminars

Syllabus Information

Academic year: 2024/25

Subject: 60464 - Interdisciplinary seminars

Faculty / School: 100 - Facultad de Ciencias

Degree: 543 - Master's in Molecular Chemistry and Homogeneous Catalysis

ECTS: 2.0

Year: 1

Semester: Annual

Subject type: Optional

Module:

1. General information

Successful cases will be presented to illustrate first-hand how research is planned, organized and elaborated in different fields of science, and how scientific conclusions are drawn and argued.

The subject aims to provide the student with an incipient criterion that allows them to situate the frontier of knowledge in chemistry and to approach scientific research and industrial practice in a more efficient way.

2. Learning results

To place scientific research and its applications in context: background, objectives, hypotheses, etc.
To recognize strengths and weaknesses in scientific work.

To recognize scientific and technological advances in molecular chemistry and catalysis.

Give opinions and ask questions about R&D&I results.

3. Syllabus

Seminars given by national and international researchers, scheduled on an approximate monthly basis.

The topics and dates will be disseminated well in advance via e-mail, the master's web page <http://masterqmch.unizar.es> and the teaching digital ring (<https://moodle2.unizar.es/add>).

Provided that the logistical constraints of the lecturers allow it, the seminars will take place in the time slot that the Faculty of Sciences establishes for this type of activities, in which there are no other teaching activities.

4. Academic activities

The activities to be carried out by the students are:

- Attend the seminars in person.
- Prepare the corresponding worksheets for each seminar: this activity involves noting down data and ideas while the lecturer gives a presentation, and do bibliographic searches to complement and reinforce the concepts and data covered.
- Tutoring.

Students taking the master's degree in the Erasmus modality and who have chosen this subject must submit a form for the non-attendance modality, according to the model decided by the teachers.

5. Assessment system

The continuous assessment of this subject is based on the following activities with the weighting shown below:

1.- Attendance and participation in the seminars (50 %).

2.- Elaboration of the corresponding seminar sheets, in which the topics covered are concisely stated, the objectives, hypotheses and methodological aspects of the work presented are described, and the main scientific and/or technological results are assessed (50%).

For those students who have not passed the subject or wish to improve their grade, a global test will be held in the first or second call. This test will consist of a written exam based on theoretical questions related to the subject matter of the seminars.

<https://ciencias.unizar.es/normativas-asuntos-academicos>). The enrolment in the subject entitles the student to 2 official exam calls per enrolment. The performance of the exams and the number of official calls will be in accordance with the Rules of Permanence in Master Studies and the Rules of Learning Assessment Standards (<https://ciencias.unizar.es/normativas-asuntos-academicos>).

The general criteria for the design of the tests and the grading system shall also be adjusted to the latter regulation, and the time, place and date of the review shall be made public when the grades are published.

6. Sustainable Development Goals

- 4 - Quality Education
- 7 - Affordable and Clean Energy
- 9 - Industry, Innovation and Infrastructure