COURSE DATA

Data Subject	
Code	44969
Name	Cross-cutting scientific linguistic competence
Cycle	Master's degree
ECTS Credits	5.0
Academic year	2022 - 2023

Study (s)

Degree	Center	Acad. year	Period
2245 - M.D. in Theoretical Chemistry and Comp.Model.-Erasmus Mundus	Faculty of Chemistry	1	Annual

Subject-matter

Degree	Subject-matter	Character
2245 - M.D. in Theoretical Chemistry and Comp.Model.-Erasmus Mundus	1 - Fundamentos	Obligatory

Coordination

Name	Department
TUÑON GARCIA DE VICUÑA, IGNACIO NILO	315 - Physical Chemistry

SUMMARY

To provide students with the necessary transversal tools to complete their scientific training. Apart from research tasks, a researcher must be able to communicate the science he or she does, as well as manage the resources he or she has. This course aims to provide a first approach to the knowledge bases needed to carry out these tasks.

Learning of a language, promoting European ones.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

OUTCOMES

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- Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.
- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.
- Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.
- Students should demonstrate self-directed learning skills for continued academic growth.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Students are able to adapt their selves to different cultural environments by demonstrating that they are able to respond to change with flexibility.
- Students are organized at work demonstrating that they know how to manage their time and resources.
- Students have the ability of analyze and synthesize in such a way that they can understand, interpret and evaluate the relevant information by assuming with responsibility their own learning or, in the future, the identification of professional exits and employment fields.
- Students are able to generate new ideas based on their own decisions.
- Students have the ability to handle the main sources of scientific information related to Theoretical Chemistry and Computational Modeling. They are able to search for relevant information in web pages of structural data, physical chemical experimental data, databases of molecular calculations, databases of scientific bibliography and scientific works.

LEARNING OUTCOMES

The student will be able to search in bibliographic resources such as Scopus or Web Of Science, prepare a clear and effective presentation, know the framework of financing of projects and have the necessary notions to write a scientific article.

Learning of a European Language.

DESCRIPTION OF CONTENTS

1. Communication and Dissemination on Science.

2. Scientific Writing: the steps for writing a paper

3. How to use scientific publication databases.

4. Funding in science: how the national and European framework Works.

5. Project Management.

6. European Language

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	40,00	100
Tutorials	3,00	100
Seminars	3,00	100
TOTAL	**46,00**	

TEACHING METHODOLOGY

Theoretical in-person sessions

Seminars

non-attendance activities

EVALUATION

The knowledge acquired by the student will be evaluated throughout the course, trying to make the student advance regularly and constantly in the assimilation of the contents of the subject.

The final grade of the course will be based on the evaluation of a project that the students will have to present including the knowledge acquired throughout the course. Participation in classes will also be evaluated throughout the course through exercises. These works will be scored based on the following percentages:

- 60% Presentation of a final project.

- 40% Continuous assessment exercises during the course.

In the second call 100% of the mark will be given for the presentation of a project.

REFERENCES

Basic

- -Day, R., Gastel, B.. How to write and publish a scientific paper.. Cambridge University Press. 2006.
  -Davis, M. Scientific papers and presentations. 2005.