

**COURSE DATA****Data Subject**

Code	44314
Name	Introduction to research
Cycle	Master's degree
ECTS Credits	6.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
2200 - M. U. en Paleontología Aplicada	Faculty of Biological Sciences	1	Other cases

Subject-matter

Degree	Subject-matter	Character
2200 - M. U. en Paleontología Aplicada	8 - Introduction to research	Optional

Coordination

Name	Department
BOTELLA SEVILLA, HÉCTOR	356 - Botany and Geology

SUMMARY

This subject is presented as the first contact with research for the student. It represents a complement to the TFM in the research itinerary. Therefore it is carried out through experimental work in paleontology who first raised as a part of the TFM or closely related with its. Consequently, its development in one of the research groups of members of the departments of Geology UV and Earth Sciences of the UA should be strengthened. In general, this work performed by the student individually under the supervision of a tutor, will include activities of the initiation of the research work such as planning, information research, design and implementation of a work plan, data in paleontology (including the phase of field work), participation in experimental assembly etc. The course is complemented by scientific seminars on identifying the main lines of research in paleontology, analysis of problems in the research process in paleontology, scientific criteria for assessing the quality of research in paleontology or technical for writing scientific papers.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

There are no specified restrictions with other subjects of the curriculum. But it is advised have made the subjects of the master more related to the theme of TII.

OUTCOMES

2200 - M. U. en Paleontología Aplicada

- 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.
- Be able to access to information tools in other areas of knowledge and use them properly.
- Be able to communicate and disseminate scientific ideas.
- Ser capaces de trabajar en equipo con eficiencia en su labor profesional o investigadora, adquiriendo la capacidad de participar en proyectos de investigación y colaboraciones científicas o tecnológicas
- Elaborar de una forma clara y concisa, todo tipo de memorias relacionadas con la temática paleontológica a nivel oficial o profesional (informes, subvenciones, memorias de impactos patrimonial, proyectos de investigación, etc.)
- Realizar estudios, aplicando los métodos y técnicas necesarios para conservar y gestionar el patrimonio paleontológico.

LEARNING OUTCOMES

The development of the course leads that the student will develop all phases of a research project: project objectives, background and references, methodology and work plan, expected results in terms of dissemination, presentation and defense of them. The student will be involved in all stages of the project, supervised by a tutor. To do this, the student and the tutor will usually be in touch. In the event that the TII is performed in an external center, both supervisors decide how best to monitoring the project.



DESCRIPTION OF CONTENTS

1. TII

In TII converges all student learning during the Master and represents the sample of acquired skills. Therefore, it is to apply the skills acquired through an academic review or experimental work. The TII will be held at the Faculty or some external center, including companies linked to Work Placement program. It will be supervised by a tutor or teacher in Master. In the event that takes place in an external center, you will be assigned a tutor from the School of Biological Sciences, as well as a tutor from the center to direct the work. The TII consists in the implementation of an individual project, with the aim that the student demonstrate a certain maturity to develop an own theme in some of the main lines of research related to paleontology. The work must have clear and achievable goals.

WORKLOAD

ACTIVITY	Hours	% To be attended
Graduation project		100
Attendance at events and external activities	10,00	0
Development of individual work	100,00	0
Readings supplementary material	40,00	0
TOTAL	150,00	

TEACHING METHODOLOGY

The teaching methodology is based on the same to be applied to carry out a research of theoretical or practical. The tutor will guide the student for each of the phases in the development of work in both the approach and objectives, as in gathering prior information, the methodology used, the discussion of the results and the validity of the conclusions.

EVALUATION

TII evaluation will be made by the tutor. The student must submit a report clearly stating the problem, objectives, methodology, results, conclusions and bibliography, with a extension of 40 pages, more or less. There will be two calls for delivery of this work. The tutor will assess between 0 and 10 in respect to: originality, content, methodology and other aspects of the work needed to verify some ability to present information resulting from the research process.