VNIVERSITAT DE VALÈNCIA

Course Guide
46474 Master's final project

COURSE DATA

Data Subject	
Code	46474
Name	Master's final project
Cycle	Master's degree
ECTS Credits	30.0
Academic year	2022 - 2023

Study (s)

Degree	Center	Acad. year	Period
2251 - M.U. en Virología	Faculty of Biological Sciences	1	Second term

Subject-matter

Degree	Subject-matter	Character
2251 - M.U. en Virología	8 - Master's final project	End Labour Studies

Coordination

Name	Department
SANJUAN VERDEGUER, RAFAEL	194 - Genetics

SUMMARY

Since the Master in Virology is aimed to train researchers, it is essential that the TFM is extensive (30 ECTS) and provides a practical training that will allow students to continue their doctoral studies or other scientific or technical activities in the future. A wide range of laboratories from the departments promoting the Master, collaborating research centers, as well as hospitals, technological centers and interested companies are available for carrying out the TFM. The TFMs will necessarily be tutored by professors of the Master at the Universitat de València. However, the scientific supervision of the TFM will be made by a researcher either at the Universitat de València or at collaborating centers. The TFM will consist of the following activities:

- Development of an original theoretical, experimental or mixed research work approved by the tutor and the scientific supervisor.

- Preparation of a report describing the research work performed by the student, including background, objectives, methodology, results and discussion sections.

Presentation and defense of the work by the student in the presence of an evaluation panel.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

In order to carry out the TFM, students must have passed or be taking the rest of the subjects of the master's degree.

OUTCOMES

2251 - M.U. en Virología

- 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 possess and understand foundational knowledge that enables original thinking and research in the field.
- To understand natural processes relevant to the field of specialization.
- To achieve an integrative knowledge, drawing general conclusions from specific case studies, transferring conclusions to other speciality areas and establishing connections between different subjects.
- To combine theoretical contents with their practical application and appreciate the importance of both fundamental and applied knowledge.
- To develop critical thinking, identifying the limits and biases of knowledge in the field of specialization.
- To explore and value the socio-economic implications of the field of specialization.
- Learn how to work in multidisciplinary teams constituted byspecialists with heterogeneous backgrounds.
- To develop communication skills and use a language appropriate to the profile of the interlocutor.
- To master different methods in virology, their scope of application, their advantages and disadvantages and their complementarity for problem solving, both from a theoretical and practical point of view.

- Learn how to formulate hypotheses and scientific models related to virology, as well as to design, execute and analyze experiments aimed at contrasting these hypotheses.
- To develop creative thinking aimed at the search for new applications in virology.
- To analyze scientific evidence in an objective, quantitative and rigorous way, through deductive and constructive reasoning.
- To communicate scientific results through the elaboration of reports, articles and oral presentations.

LEARNING OUTCOMES

To know different methods in virology, their scope of application, their advantages and disadvantages and their complementarity for problem solving, both from a theoretical and practical point of view.

To know how to formulate hypotheses and scientific models related to virology, as well as to design, execute and analyze experiments aimed at contrasting these hypotheses.

To develop creative thinking aimed at the search for new applications in virology.

To know how to analyze scientific evidence in an objective, quantitative and rigorous way, by means of deductive and constructive reasoning.

To know how to communicate scientific results through the elaboration of reports, memoirs, articles and oral presentations.

WORKLOAD

ACTIVITY	Hours	% To be attended
Graduation project		100
*Realización del Trabajo Fin de Máster	725,00	0
Seguimiento i tutorización del Trabajo Fin de Máster	24,00	0
Presentación y defensa del Trabajo Fin de Máster	1,00	0
TOTAL	**750,00**	

TEACHING METHODOLOGY

The TFM is based on the use of different teaching/learning activities including:

- Autonomous revision and study of materials and contents by the students.
- Bibliographic review and synthesis by the students.
- Research activities to be carried out under the supervision of an investigator.

Tutorials performed by the academic tutor.

EVALUATION

For the defense of the TFM, it will be necessary to have passed all the other subjects.

The TFM will be assessed by an evaluation panel composed of a president and two members as well as their alternates, without the candidate's tutor being a member of the panel.

This panel will jointly consider the tutor's report on the work developed by the student, the quality and content of the written report, and the quality of the oral presentation and defense.

The use of Valencian or English in the writing and/or defense of the TFM will be accepted.

It is reminded that it will not be possible to decline a grade once published.