COURSE DATA

DATA SUBJECT

Code: 43094
Name: Master's final project
Cycle: Master's Degree
ECTS Credits: 15
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2141 - Master's Degree in Physiology	Facultat de Medicina i Odontologia	1	Indefinite (Individuals)

SUBJECT-MATTER

Degree	Subject-matter	Character
2141 - Master's Degree in Physiology	Final project	MASTER THESIS PROJECT

COORDINATION

NOVELLA DEL CAMPO SUSANA

SUMMARY

In this subject the student is trained to know and develop the experimental bases on which current research in Physiology is based. That is why it has an eminently practical character and focuses on the techniques, methodologies and applications of Physiology.

The work will be carried out in one of the research lines that are developed in the Department of Physiology of the University of Valencia, offered by the research groups of the Physiology Department, in collaboration with other Departments. from the Universitat de València, as well as with other research centers, such as the La Fe Health Research Institute of Valencia or the Príncipe Felipe Research Center. These lines cover an important part of the topics of greatest impact in the scientific bibliography in Physiology.

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 prerequisites for taking the subject.

COMPETENCES / LEARNING OUTCOMES

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Assess the need to complete the scientific training, in languages, computer science, ethics, etc., attending conferences or courses and/or carrying out complementary activities, self-evaluating the contribution that the performance of these activities implies for their comprehensive training.

Be able to access to information tools in other areas of knowledge and use them properly.

Be able to integrate new technologies in their professional and/or research work.

Be able to make quick and effective decisions in professional or research practice.

Critically analyze both his/her work and that of the colleagues.

Design the objectives of a research work, propose the experimental study to carry it out, use the appropriate data treatment and draw up its conclusions.

Differentiate between the statistical methods to carry out the correct data analysis and handle them in a practical context of an investigation, as well as adequately present the results.

Employ the basic tools for the treatment of experimental data in biomedical research.

Have a proactive attitude towards possible changes that may occur in their professional and/or investigative work.

Know how to work in multidisciplinary teams reproducing real contexts and contributing and coordinating their own knowledge with that of other branches and participants.

Know how to write and prepare presentations to present and defend them later.

Project the knowledge on specific problems and know how to summarize and extract the most relevant arguments and conclusions for their resolution.

Search, order, analyze and synthesize scientific information (databases, scientific articles, bibliographic repertoires), selecting the pertinent to focus current knowledge on a topic of scientific interest in Physiology.

Select the appropriate commercialized instrumentation for the study to be carried out and apply the knowledge to use it correctly.

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.

To acquire a critical attitude that allows you to make reasoned judgments and defend them with rigor and tolerance.

To acquire basic skills to develop laboratory work in biomedical research.

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To manage the use of laboratory techniques taking into account the basic principles of quality control, risk prevention, safety and sustainability.

To prepare a clear and concise memory of the results of your work and the conclusions obtained.

Use the different exhibition techniques oral, written, presentations, panels, etc., to communicate the knowledge, proposals and positions.

DESCRIPTION OF CONTENTS

Research on topics related to Physiology. The Master's Thesis will consist of an original experimental research work or a systematic review work, related to the master, of 15 credits (ECTS), carried out by the student.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at supplementary activities	4,00
Monitoring and tutoring of the master's thesis	60,00
Presentation and defence of the master's thesis	1,00
Total hours	**65,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Independent preparation of the master's thesis	200,00
Preparation of the master's thesis project	110,00

Total hours	**310,00**

TEACHING METHODOLOGY

Use of individualized methodology and adapted to the student for the completion of the Master's Thesis. The director, through discussion of topics, recommendation of readings, participation in support activities, in forums for debate and presentation of contributions, coordinates and guides the student's training to acquire the tools of the research activity.

EVALUATION

- Activities evaluable by the Tutor through the completion of the Master's Thesis (report of the Tutor).

- Evaluation of the Final Master's Project, memory, presentation and oral defense of the same.

EVALUATION OF THE WRITTEN MEMORY: The scientific value of the topic will be evaluated, -the scientific argument of the work: correct and complete description of the contents, the way in which the student has presented and discussed the results obtained and the validity of the conclusions obtained. , -the statistical analysis, where appropriate, -the bibliography and -the academic rigor: structuring and presentation of the manuscript with an adequate use of written language. Evaluation up to 7 points.

EVALUATION OF THE ORAL EXHIBITION: The clarity of the exposition, the adequate distribution of time between the presentation of the topic and the presentation of the results and conclusions, the correct use of language, the adequacy of the visual presentation and the scientific knowledge of the topic and precision in the answers to the questions asked. Evaluation up to 3 points.

Minimum passing grade: 5 points.

Evidence of copying or plagiarism in master's final project will result in failure to pass the subject and in appropriate disciplinary action being taken. Please note that, in accordance with article 13. d) of the Statute of the University Student (RD 1791/2010, of 30 December), it is the duty of students to refrain from using or participating in dishonest means in assessment tests, assignments or university official documents.

In the event of fraudulent practices, the "**Action Protocol for fraudulent practices at the University of Valencia**" will be applied (ACGUV 123/2020):

https://www.uv.es/sgeneral/Protocols/C83sp.pdf

REFERENCES

That recommended by the tutors, according to the research work.