

**COURSE DATA****DATA SUBJECT**

Code: 43471
Name: Master's final project
Cycle: Master's Degree
ECTS Credits: 30
Academic year: 2026-27

STUDY (S)

Degree	Center	Acad. year	Period
2210 - Master's Degree in Research in Molecular, Cellular and Genetics Biology	Facultat de Ciències Biològiques	1	Indefinite (Individuals)

SUBJECT-MATTER

Degree	Subject-matter	Character
2210 - Master's Degree in Research in Molecular, Cellular and Genetics Biology	Master's final project	MASTER THESIS PROJECT

COORDINATION

MAICAS PRIETO SERGI

ESCRICHE SOLER BALTASAR

SUMMARY

The Master Thesis is necessary for the attainment of the Master's degree in Research in Molecular and Cellular Biology and and Genetics. Professionally, it means that the student is trained to carry out an original research work. Specifically, it is intended that students develop a research, and an experimental design, write a scientific report and give their results in public. The director of the thesis should meet with the student to establish the general and specific objectives of the research as well as to carry out the design of experimental work. Previously and/or in parallel, the director have to provide the student with the scientific literature on the subject or advise the student about the way to get it. Another important function of the director should be help the student to acquire the necessary skills for the use of the experimental techniques associated to the Master Thesis

PREVIOUS KNOWLEDGE**RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

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

**OTHER REQUIREMENTS****COMPETENCES / LEARNING OUTCOMES****2210 - Master's Degree in Research in Molecular, Cellular and Genetics Biology**

Capacidad para realizar, redactar, exponer y defender un trabajo de investigación en las áreas de conocimiento relacionadas con el máster en investigación en biología molecular, celular y genética.

DESCRIPTION OF CONTENTS**WORKLOAD****PRESENCIAL ACTIVITIES**

Activity	Hours
Attendance at supplementary activities	0,00
Monitoring and tutoring of the master's thesis	24,00
Presentation and defence of the master's thesis	2,00
Total hours	26,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Independent preparation of the master's thesis	700,00
Preparation of the master's thesis project	24,00
Total hours	724,00

TEACHING METHODOLOGY

Here is a polished academic English translation suitable for a Master's programme syllabus:

The Master's Thesis research project will preferably be carried out during the second semester of the academic year and is expected to be defended in July or September of that year. However, the actual timeline of the project will depend on its progress in the laboratory.

Before commencing the project, each student must register the thesis by submitting a document signed by both the student and the supervisor(s), including the proposed title (which may differ slightly from the final title) and a summary of 250–500 words outlining the objectives of the project.

Proposals involving results that may be subject to intellectual property protection or any level of confidentiality (e.g., patentable results) will not be accepted. The Academic Coordination Committee will communicate the approval or rejection of the registration.



The project must be designed so that its completion is feasible within the workload established for the Master's Thesis. The work must include the presentation and analysis of experimental and/or bioinformatic results. The supervisor(s) will provide the student with essential bibliography and define the objectives to be achieved. Progress will be monitored regularly through supervisory meetings to ensure that the project advances according to the proposed objectives and at an appropriate pace for completion during the academic year.

Upon completion of the research project, the student shall prepare a written dissertation with a maximum length of 20 pages in DIN A4 format, using 2.5 cm margins, 1.5 line spacing, and 12-point Times New Roman font. Exceeding the prescribed length will be penalized. The dissertation may be written in either of the two official languages of the Universitat de València or in English.

Four copies of the dissertation must be submitted: three printed copies for the examination committee and one digital version through the ENTREU platform. No exceptions based on confidentiality will be permitted.

The dissertation shall follow the structure of a scientific article:

First page:

- Master's Thesis
- Master's Degree in Molecular, Cellular and Genetic Biology Research
- Universitat de València
- Author
- Supervisor(s) and their affiliation(s)
- Tutor (if applicable)

Second page:

- Abstract in Spanish or Valencian and in English
- Keywords

Subsequent pages:

- Introduction
- Materials and Methods
- Results
- Discussion (either as a separate section or combined with Results)
- References

The dissertation should include all figures and tables necessary for a clear presentation of the work. If required, up to three pages of appendices may be included. These appendices should not constitute an extension of the thesis itself but may contain extensive tables, supplementary figures, sequence data, or similar supporting material.



All sections listed above, except for the first and second pages and the appendices, are included within the maximum limit of 20 pages.

The dissertation must be submitted before the defence date. Exact submission deadlines will be announced for each examination period.

The defence will consist of a public oral presentation lasting a maximum of 20 minutes, followed by approximately 20 minutes of questions from the examination committee. As the defence is a public event, it cannot be conducted under conditions of confidentiality.

EVALUATION

The final grade of the course will be based on several assessment components:

1) 40% Written dissertation assessment

The student must submit a written dissertation describing the research project. In the evaluation of the dissertation, the correct and complete description of the experiments carried out, the validity of the conclusions drawn, and the conciseness and appropriate use of written language will be assessed. The way in which the student has presented, analysed, and discussed the obtained results will also be taken into account.

2) 50% Oral presentation assessment

The student must orally present the research project in a public defence lasting a maximum of 20 minutes, followed by a question-and-answer session with the examination committee.

This assessment will consider the clarity of the presentation, the appropriate allocation of time between the introduction of the problem and the presentation of results and conclusions, the correct use of language, the adequacy of visual materials, the scientific understanding of the topic, and the accuracy of the responses to the questions posed.

The composition of the examination committee will comply with the regulations established by the Master's Academic Committee and the University of Valencia regulations.

3) 10% Supervisor assessment of the Master's Thesis

Before the thesis defence, the supervisor(s) must send by email the student evaluation form to the Chair of the Master's Thesis examination committee for the corresponding session.

The evaluation forms for both the committee and the scientific supervisors, as well as the academic supervisor's approval form (where applicable), will be made available in advance on the Virtual Classroom



platform.

REFERENCES