COURSE DATA

DATA SUBJECT

Code: 42596
Name: Master's final project
Cycle: Master's Degree
ECTS Credits: 12
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2116 - Master's Degree in Bioinformatics	Escola Tècnica Superior d'Enginyeria	2	Indefinite (Individuals)

SUBJECT-MATTER

Degree	Subject-matter	Character
2116 - Master's Degree in Bioinformatics	Master's final project	MASTER THESIS PROJECT

COORDINATION

ARNAU LLOMBART VICENTE

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GONZALEZ CANDELAS FERNANDO

SUMMARY

The Master's Final Project (TFM) should be a subject which will develop a project similar to any of the professional activities as bioinformatic the student will face the end of this Master, with a holistic approach to skills acquired in the teachings of the Master.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS

Must have completed all subjects of the Master.

COMPETENCES / LEARNING OUTCOMES

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Be able to access the information required (databases, scientific articles, etc.) and to interpret and use it sensibly.

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

Desarrollar la iniciativa personal y ser capaces de realizar una toma rápida y eficaz de decisiones en su labor profesional y/o investigadora.

Ser capaz de elaborar, presentar y defender un trabajo individual original de aplicación e iniciación a la investigación en bioinformática sintetizando el conjunto de competencias adquiridas en el máster.

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 be able to assess the need to complete the scientific, historical, language, informatics, literature, ethics, social and human background in general, attending conferences, courses or doing complementary activities, self-assessing the contribution of these activities towards a comprehensive development.

Trabajar en equipo con eficiencia en su labor profesional y/o investigadora y con personas de diferente procedencia.

DESCRIPTION OF CONTENTS

WORKLOAD

PRESENCIAL ACTIVITIES

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

Total hours	**0,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Independent preparation of the master's thesis	300,00
Preparation of the master's thesis project	0,00
Total hours	**300,00**

TEACHING METHODOLOGY

MD5 - Master's Thesis. People conduct original individual work related to the use of the various techniques discussed. The Labour prepares a report and made a presentation and oral defense of it.

EVALUATION

In both sessions, the student will make a 20-minute in-person presentation of the TFM in front of a Defense Tribunal composed of 3 professors.
SE5 - Evaluation of the work, memory and presentation of Master's Thesis (100% of the grade).

Scientific and technical quality = 50%

Memory = 25%

Presentation and defense = 25%

REFERENCES