

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

Code	42596
Name	Master's final project
Cycle	Master's degree
ECTS Credits	12.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
2116 - M.U. en Bioinformàtica 12-V.1	School of Engineering	2	Annual

Subject-matter

Degree	Subject-matter	Character
2116 - M.U. en Bioinformàtica 12-V.1	11 - Master's final project	End Labour Studies

Coordination

Name	Department
ARNAU LLOMBART, VICENTE	240 - Computer Science
DIAZ VILLANUEVA, WLADIMIRO	240 - Computer Science
GONZALEZ CANDELAS, FERNANDO	194 - Genetics

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.

OUTCOMES

2116 - M.U. en Bioinformática 12-V.1

- 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.
- Be able to access the information required (databases, scientific articles, etc.) and to interpret and use it sensibly.
- 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.
- 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.
- Desarrollar la iniciativa personal y ser capaces de realizar una toma rápida y eficaz de decisiones en su labor profesional y/o investigadora.
- Trabajar en equipo con eficiencia en su labor profesional y/o investigadora y con personas de diferente procedencia.
- 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.

LEARNING OUTCOMES

Being able to address and find solutions to problems similar to those found in the professional application of bioinformatics with a holistic approach to skills acquired in the teachings of the Master.

Knowledge questions correctly, locate bibliographic sources of different types, select the most important methodologies based on case work, and communicate effectively the results of their work



WORKLOAD

ACTIVITY	Hours	% To be attended
Graduation project		100
Development of a final project	300,00	0
TOTAL	300,00	

TEACHING METHODOLOGY

MD5 - Master's Thesis. Students 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 the two calls:

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%