

63109 - Trabajo fin de Máster

Información del Plan Docente

Año académico: 2019/20

Asignatura: 63109 - Trabajo fin de Máster

Centro académico: 100 - Facultad de Ciencias

Titulación: 572 - Máster Universitario en Biotecnología Cuantitativa

Créditos: 30.0

Curso: 1

Periodo de impartición: Segundo semestre

Clase de asignatura: Trabajo fin de máster

Materia: ---

1. Información Básica

1.1. Objetivos de la asignatura

Provide a test of the maturity of the student as a future researcher in Academia or Industry

1.2. Contexto y sentido de la asignatura en la titulación

Final proof of maturity of the student proving to be able to solve a research problem (under supervision)

1.3. Recomendaciones para cursar la asignatura

Choose one among the different research proposals which will be offered at the beginning of the academic year.

2.Competencias y resultados de aprendizaje

2.1.Competencias

- To be able to design and implements experiments required to solve a given scientific problem taking into account the time and cost
- To be able to analyze critically his/her work and compare it with other results available in the Literature or used in industry
- To be able to discuss results and experimental data with experts in the area of Biotechnology

2.2.Resultados de aprendizaje

The student that successfully finishes this course

- will be able to do research (experimental, computational or modelling) with a high degree of independence and origine
- will apply the contents of the other courses of the master to a real research project
- will be able to communicate, orally or on paper, the results of the project to other colleagues of the same or close area
- will be familiar with the work at a research laboratory and/or a biotech company

2.3.Importancia de los resultados de aprendizaje

3.Evaluación

3.1.Tipo de pruebas y su valor sobre la nota final y criterios de evaluación para cada prueba

Thesis: 40 % of the final grade. The memoir must have up to 60 pages, including appendices, written with a font of 11 points a abstract. The structure of the memoir is not fixed but an orientative scheme to follow may be:

- Title
- Introduction
- Hypothesis and Main Objectives of the work
- Results and Discussion
- Conclusions
- Bibliography

Defense: 40% of the final grade. In this case, 60% of this part corresponds to the presentation and 40% to the defense in front

Memorandum of service: 20% of the final grade. The final report will consider the difficulty of the topic, originality of the master courses, skills in the laboratory or the computer simulations, commitment of the student and help required during the re

4.1.Presentación metodológica general

The methodology followed in this course is oriented towards achievement of the learning objectives. The student will elaborat student will have periodic interviews to discuss the advances and/or difficulties found. At the end of the academic year the stu following the guidelines above

4.2.Actividades de aprendizaje

4.3.Programa

4.4.Planificación de las actividades de aprendizaje y calendario de fechas clave

The students will be offered a series of topics at the beginning of the academic year. After choosing one of them, the dissertation of one researcher. At the end of the year the student will write a thesis and present the conclusions of the dissertation in a public

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4.5.Bibliografía y recursos recomendados