

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

|                      |                        |
|----------------------|------------------------|
| <b>Code</b>          | 40148                  |
| <b>Name</b>          | Master's final project |
| <b>Cycle</b>         | Master's degree        |
| <b>ECTS Credits</b>  | 12.0                   |
| <b>Academic year</b> | 2021 - 2022            |

**Study (s)**

| <b>Degree</b>                                  | <b>Center</b>                  | <b>Acad. year</b> | <b>Period</b> |
|------------------------------------------------|--------------------------------|-------------------|---------------|
| 2074 - M.D. in Basic and Applied Neurosciences | Faculty of Biological Sciences | 1                 | Annual        |

**Subject-matter**

| <b>Degree</b>                                  | <b>Subject-matter</b>      | <b>Character</b>   |
|------------------------------------------------|----------------------------|--------------------|
| 2074 - M.D. in Basic and Applied Neurosciences | 5 - Master's final project | End Labour Studies |

**Coordination**

| <b>Name</b>                               | <b>Department</b>                      |
|-------------------------------------------|----------------------------------------|
| NACHER ROSELLO, JUAN                      | 21 - Cellular Biology and Parasitology |
| SALVADOR FERNANDEZ-MONTEJO, OTILIA ALICIA | 268 - Psychobiology                    |

**SUMMARY**

English version is not available

**PREVIOUS KNOWLEDGE****Relationship to other subjects of the same degree**

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



## Other requirements

## OUTCOMES

### 2074 - M.D. in Basic and Applied Neurosciences

- 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.
- Ser capaz de aplicar las técnicas de búsqueda, identificación, selección y recogida de información científica especializada, así como de los métodos que se han de tener en cuenta a la hora de examinar críticamente cualquier clase de fuentes y documentos científicos.
- Saber comunicar el conocimiento sobre neurociencia y sus implicaciones a públicos especializados y no especializados de un modo claro y sin ambigüedades, usando la lengua propia y el inglés.
- Saber aplicar el método científico a los estudios en neurociencias y poseer el espíritu crítico requerido para distinguir la información científica rigurosa de la pseudociencia
- Saber trabajar en equipos multidisciplinares y diseñar estrategias experimentales multidisciplinares en el ámbito de las neurociencias para la resolución de problemas biológicos complejos
- Saber trabajar de manera responsable y rigurosa en el laboratorio, considerando los aspectos de seguridad, manipulación y eliminación de residuos así como del correcto uso de los animales de experimentación y los principios éticos para la investigación en humanos.
- Conocer los principios éticos y legales de la investigación científica en neurociencias
- Comprender las aproximaciones experimentales y sus limitaciones, así como interpretar resultados científicos en neurociencias y saber elaborar y redactar informes que los describan
- Adquirir destrezas en el manejo de las metodologías empleadas en las neurociencias y en el registro anotado de actividades, así como en el manejo de programas informáticos para la obtención y análisis de los datos y la exposición de los resultados
- Creatividad, iniciativa y espíritu emprendedor.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Apreciación del rigor, el trabajo metódico y la solidez de los resultados.

**LEARNING OUTCOMES****English version is not available****WORKLOAD**

| ACTIVITY                       | Hours         | % To be attended |
|--------------------------------|---------------|------------------|
| Graduation project             |               | 100              |
| Development of a final project | 300,00        | 0                |
| <b>TOTAL</b>                   | <b>300,00</b> |                  |

**TEACHING METHODOLOGY****English version is not available****EVALUATION****English version is not available****ADDENDUM COVID-19****This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council****1. Contents**

The contents initially included in the teaching guide are maintained. In case the health situation makes it difficult to carry out the work in the conditions initially foreseen, each tutor will evaluate the situation in which the TFM is carried out with their students. In accordance with this, the following measures can be taken

- A) If the experimental phase is concluded and the student already has data, tutor his/her students through virtual tutoring.
- B) If the experimental phase is initiated, and the available data allow to carry out the TFM, you can evaluate to carry out it with these data making clear the circumstance of interruption of the experimental phase
- C) If sufficient experimental results are not available: - The initial objectives and hypotheses can be maintained, the methodology can be adequately described, and the development of the work consists in describing the scenarios that could have been reached in case of confirming/denying the hypotheses raised and discussing each of these scenarios based on the literature. - The student can be provided with anonymized or reduced subject or variable data from other research to fit the TFM. Information on open shared databases available on the Internet can also be provided.
- D) In cases where the above options are not feasible, exceptionally, a systematic review may be done.



## 2. Workload and time planning of teaching

Workload and time planning is maintained.

## 3. Teaching methodology

If the evolution of the pandemic requires it, the tutoring will be online, with the tools that tutor and tutored agree.

## 4. Evaluation.

If the evolution of the current pandemic allows it, it will be face-to-face and in the terms indicated in the teaching guide. Only in case it is not possible, the student will present, through the task enabled for this purpose in the Virtual Classroom, a recorded presentation of their TFM of approximately 15 minutes duration. This presentation will be uploaded at least 48 hours before the date of the defense. The defense will be made online. On the day of the defense date, the student will make a 3-5 minute presentation after which the Court will ask any questions it deems appropriate via video conference.

## 5. Bibliography.

No changes.