

PARTICIPATING INSTITUTIONS AND PARTNERS



SECRETARY

D^a MARÍA LUISA NICOLÁS TOMÁS

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ACADEMIC COORDINATOR

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INFORMATION REQUEST

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MORE INFORMATION

<https://www.um.es/web/estudios/masteres/bio-tecno-mamiferos>

MASTER COURSE OFFICIALY ACCREDITED BY



SUPPORTED BY THE BILINGUAL PROGRAM



18TH EDITION

MASTER IN BIOLOGY AND TECHNOLOGY OF REPRODUCTION

2021 - 2022



UNIVERSIDAD DE MURCIA



New fellowships*

-For external practices Japan/USA

-For excellent students

*Pending publication





OPTIONAL SUBJECTS

SECRETARY OF VETERINARY FACULTY

UNIVERSITY OF MURCIA

D. MARÍA LUISA NICOLÁS TOMÁS

OBJECTIVE

The Master goal is to train specialists in Biology and Technology of Reproduction with a scientific and professional profile (both in human and animal reproduction)

MASTER CONTENT

A total of **60 ECTS**:

- **Formative 42 ECTS**
(30 compulsory + 12 optative subjects)
- **External Practices (Practicum) 6 ECTS**
- **Final Master's Dissertation 12 ECTS**
- **1 Academic year** (Sep 2021 - Sep 2022).

- **Timetable:** morning and afternoon (working days)
- **Language instruction:** English and Spanish.
- **Cost: 46.97€ each ECTS** (figures for year 2020-21)

FIRST SEMESTER
(SEP 2021 - JAN 2022)

COMPULSORY SUBJECTS

- Advanced aspects of morphology and function of the reproductive system
- Fertilization and embryo development
- Basic reproductive technologies of gametes and embryo manipulation

- Assisted reproduction in humans
- Ethic and legal aspects of the life beginning and the assisted reproduction technique in humans

- Cryopreservation of gametes and embryos
- Epidemiology of reproductive health
- Ultrasound applications in reproductive biology
- Reproductive biotechnologies and recovery of endangered species
- Transgenesis, gene therapy, cloning and stem cells
- Basic issues of scientific activity: methods, foundations and ethics
- Cell and Molecular Biology techniques applied to the Biology of Reproduction
- Epigenetics in Reproductive Biology

COMPULSORY

EXTERNAL PRACTICES (PRACTICUM)

Minimum of 6 weeks in Clinics of Human Reproduction, Hospital Reproduction Units, Animal Reproduction Centers and Companies, University Departments, Research Centers and Reproductive and/or Biotechnological Companies located all around the world

MASTER DISSERTATION

Under a tutor's supervision the students should execute a research work (experimental), prepare a written report according to a scientific format (objective, state of the art, material and methods, results, discussion and conclusion) and present and discuss the topic with an evaluation committee

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<https://preinscripcionmaster.um.es/preposgrado/Preposgradoweb.seam>

ACADEMIC YEAR 2021 - 2022

ENROLLMENT PERIOD

- Pre- Registration: ~~19 Jan 2021~~ - 11 Jul 2021
- Registration: 22 Jul 2021 - 28 Jul 2021
- A Degree or Bachelor in biosciences, medicine, veterinary, animal science, pharmacy, biology, biochemistry or biotechnology is required
- Language instruction: Spanish and English
- A B1 level in Spanish or English is required and a B2 level is highly recommended

REQUIRED DOCUMENTS (A copy of)

- Identity Card or Passport
- Degree or Bachelor Title Certificate
- Official Transcript of Records
- Curriculum vitae
- Personal statement
- B1 certificate in English

