

## 28416 - External Morphology: Morphological Assessment and Identification

### Syllabus Information

**Academic year:** 2023/24

**Subject:** 28416 - External Morphology: Morphological Assessment and Identification

**Faculty / School:** 105 - Facultad de Veterinaria

**Degree:** 451 - Degree in Veterinary Science

**ECTS:** 3.0

**Year:**

**Semester:** First semester

**Subject type:** Optional

**Module:**

### 1. General information

The graduate will be able to: 1) Understand external morphology as a product of adaptation and selection to the productive environment, 2) Evaluate the morphological quality of pets and production animals, from the genetic, clinical and zootechnical points of view, 3) Understand the techniques and systems of animal identification and traceability. This subject intends to deepen and broaden the concepts learned in Anatomy and Ethnology, with an essentially applied approach to the morphological assessment and identification of domestic animals. The subject contributes to the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>): Goal 2 or Zero Hunger; Goal 3 or Health and Well-being; Goal 12 or Responsible Production and consumption; and Goal 15 or Terrestrial Life and Ecosystems.

### 2. Learning results

- Is able to make a value judgment on the morphological qualities and defects of any major animal breed, and in any domestic species.
- Know and apply the most appropriate animal identification methods in each case.

### 3. Syllabus

#### MORPHOLOGY BLOCK

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- Stress and environment, adaptation and appearance biology of domestic animals.
- Introduction to morphological assessment.
- Body regions of domestic animals, brief review of regional nomenclature.
- Morphological evaluation of the equine.
- Morphological evaluation of bovines and other ruminants.
- Morphological evaluation of birds and judging.

#### IDENTIFICATION BLOCK

- Age identification in domestic species.
- Development and age.
- Identification and traceability.

#### ANIMALS AND SPORTS BLOCK

- The horse in sport.
- Selected topics of equine or other species used in sport.

#### PRACTICAL PROGRAM

- Sheep Practice: Sheep applied morphometrics.
- Visit: Livestock exhibition Technical visit.
- Equine Practice: Review on equids and equid regions in riding arena.
- Problem Solving and Case Studies: Morphology in birds.
- Problem Solving and Case Studies: Identification systems.

- Problem Solving and Case Studies: The horse in sport or selected topics of animals in sport.

#### 4. Academic activities

The learning process designed for this subject is based on the following:

- Theoretical face-to-face classes, in which the planned program (previously known) will be developed. It will be available in the Digital Teaching Ring (Anillo Digital Docente) and complemented with other teaching resources (paper documentation).
- Practical classes in classroom of morphological assessment in different animal species.
- Classroom lectures on methods of identification and age recognition of animals.
- Practical session at the Equestrian Centre to carry out a complete review of the horses.
- Practical session of morphological evaluation in sheep.
- Completion of a final individual paper on racial and/or age assessment.

#### 5. Assessment system

The student must demonstrate that they have achieved the learning results foreseen in the assessment of the different competencies.

- The knowledge and understanding of the theoretical contents will be assessed through a multiple-choice test.
- Practical skills will be evaluated with the delivery of a report of each of all practices. This report will be individual and computable in the final grade.

Assessment criteria are as follows:

- Theoretical exam, up to 70 points out of 100.
- Final individual work, up to 20 points out of 100.
- Practice reports, up to 10 points out of 100.

In order to pass the exam, it is necessary to obtain at least 50% of the possible points for the theoretical contents (35 points out of 70). The rest of the grades will be applied only after this minimum has been achieved. The subject is passed with a grade equal to or higher than 5 points.

##### Overall test

For students who have not had face-to-face training at any time, theoretical and practical knowledge will be assessed by means of a final exam covering all the subject matter taught. The assessment criteria and level of demand for these students will be: Theory, 40%, and practice, 60%. The exam will be adapted to the syllabus taught in the corresponding academic year. For students who sit for the exam in calls other than the first call, the evaluation, assessment criteria and level of demand will be the same as in the first call.