

28406 - Embryology and Anatomy II

Syllabus Information

Academic year: 2023/24

Subject: 28406 - Embryology and Anatomy II

Faculty / School: 105 - Facultad de Veterinaria

Degree: 451 - Degree in Veterinary Science

ECTS: 7.0

Year: 1

Semester: Second semester

Subject type: Basic Education

Module:

1. General information

The main objective of this subject, together with Embryology and Anatomy I of the first semester of the first year, is to provide basic training in the knowledge of the anatomical structure and embryonic development of domestic animals.

This goal is aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>): Goal 2: Zero Hunger; Goal 3: Health and Wellness; Goal 4: Quality Education; Goal 8: Decent Work and Economic Growth; Goal 9: Industry, Innovation and infrastructure; Goal 11: Sustainable Cities and Communities; Goal 12: Responsible Production and Consumption; Goal 15: Life of terrestrial ecosystems.

2. Learning results

In order to pass this subject, the students shall demonstrate they has acquired the following results:

1: Identify and describe the main structural and functional elements of the heart, respiratory, digestive and genitourinary systems, as well as the endocrine glands, central nervous system and sense organs of domestic animals.

2: Describe and understand the embryonic development of the structures belonging to the heart, respiratory, digestive and genitourinary systems, endocrine glands, central nervous system and sense organs of domestic animals, as well as explain the embryonic origin of their congenital anomalies.

3. Syllabus

Embryonic origin, parts, location, relationships, functional structure, vascularization, innervation of:

- Respiratory system.
- Heart.
- Digestive system.
- Head.
- Urogenital apparatus.
- Central Nervous System and Sense Organs.

4. Academic activities

Master classes: 35 sessions of one hour, in the classroom with the teacher, in which the theoretical syllabus will be explained.

Practical classes: 31.5 face-to-face hours and 3.5 face-to-face hours in rotating shifts, in the dissection room, in which the osteology and systematic dissection of the above mentioned organs and systems will be addressed.

5. Assessment system

Theoretical Exam (50% of the final grade).

Design: online exam in a computer classroom. It includes a number of 20 multiple-choice questions, with or without images, randomly extracted from a pre-established file. Consequently, each student will answer a personalized test in a time limited to 12 minutes.

Correct answers add up to the grade assigned to them, incorrect answers subtract 1/3 of the grade assigned to a correctly answered question; unanswered or blank questions do not count.

In order to pass it, it is necessary to obtain at least half of the maximum grade assigned to this section.

Practical Exam (50% of the final grade).

Design: in the dissection room, using the osteological material studied and the animals dissected during the practices each student shall do the following:

- a) location and identification, during 5-6 minutes, with the help of whatever bibliographic material they wish to use, of four elements and/or anatomical details of domestic animals.
- b) a brief descriptive statement of these four elements and/or details, in accordance with anatomical terminology.

In order to pass it, it is necessary to obtain at least half of the maximum grade assigned to this section.

For non-face-to-face students or those who would like to sit for the exam in other calls other than the first one.

Theoretical Exam.

Design: online exam in a computer classroom. It includes a set number of multiple-choice questions, with or without images, randomly extracted from a pre-established file. Consequently, each student will take a personalized test. Each question has several possible answers, of which one is true, one is false and one is blank. Correct answers add up to the grade assigned to them, incorrect answers subtract 1/3 of the grade assigned to a correctly answered question; unanswered or blank questions do not count.

In order to pass it, it is necessary to obtain at least half of the maximum grade assigned to this section.

For the practical exam, if the student has passed this part in a previous call, it will be considered as passed (without averaging with other grades).