

## 28414 - History of Veterinary Science

### Syllabus Information

**Academic year:** 2023/24

**Subject:** 28414 - History of Veterinary Science

**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 main objective is to introduce students to the origin and evolution of the Veterinary Sciences and their place in the History of Science. The student will acquire a minimum knowledge of the evolution of the profession and its organization through the ages, as well as an appreciation and understanding of the historical trajectory of veterinary medicine as a science and profession.

Other objectives are: initiation in veterinary terminology, information and documentation and introduction to the handling of historical sources and veterinary documentation.

These objectives can be aligned within the Sustainable Development Goals (SDGs) of the United Nations Agenda 2030, among others, in the following: 4 (4.3 and 4.4), 8 (8.2 and 8.3), 12 (12.3) 15 (15.3).

### 2. Learning results

The student, in order to pass this subject, must demonstrate that:

1. Is able to relate the basic knowledge of veterinary history to the rest of the subjects that they is studying the curriculum is made up of the following components.
2. Is able to differentiate the veterinary actions that took place before the birth of Veterinary Medicine as a Science and as a profession.
3. Is able to know in chronological form, the historical facts that have been fundamental for Veterinary Medicine, both nationally and internationally.
4. Is able to handle bibliography and other sources of knowledge related to veterinary medicine and to use them for simple historical research works.

#### 2.1. Importance of learning results

The student will develop practical and methodological skills through non face-to-face work; this will require them to perform text commentaries, search for manual and computerized documentation, understand and translate it into a brief historical research paper that they will have to present to their classmates and teachers.

They will also develop the ability to understand the synchronic and diachronic facts of the important phenomena that have marked the history of the veterinary profession

### 3. Syllabus

TOPIC 1 - The veterinarian. Concepts about its mission from antiquity to present times: critical judgment. The word "veterinary" and its different meanings.

TOPIC 2 - Veterinary medicine in ancient times: prehistory and natural sources. Animal domestication.

TOPIC 3 - Veterinary medicine in the Classical world: Greece and Rome.

TOPIC 4 - Veterinary medicine in the Middle Ages: confraternities, brotherhoods, guilds. The Arab legacy.

TOPIC 5 - Livestock in the Middle Ages: the Concejo de la Mesta and the Casa de Ganaderos de Zaragoza.

TOPIC 6 - The Spanish Albeitería (1500-1850). Training and professional regulation: The protoalbeiterato.

TOPIC 7 - Scientific advances of the XVI-XVIII centuries and their importance in the veterinary context. Scientific humanism.

TOPIC 8 - The birth of veterinary education in the world. Claude Bourgelat. Foundation of the schools of Lyon and Alfort (Paris).

TOPIC 9 - The birth of veterinary education in Spain: the veterinary school of Madrid. The first curricula. Mr. Segismundo Malats and his legacy.

TOPIC 10 - Development of official veterinary education in Spain. Free schools. The end of the Albeitería. The work of Risueño and Casas de Mendoza.

TOPIC 11 - The Military Veterinary. Its influence on the birth of the profession. The Military Veterinary Corps.

TOPIC 12 - Veterinary medicine in the face of major animal diseases.

TOPIC 13 - Veterinary bromatology, inspection and control of food.

TOPIC 14 - The veterinarian in defence of Public Health. Fight against zoonoses.

TOPIC 15 - New curricula. Veterinary Faculties. Institutions and veterinary professional organization.

#### **4. Academic activities**

The program offered includes the following activities:

Master classes: Presentation of theoretical topics in the classroom. (15 hours).

Bibliographic management, information search and knowledge sources (3 hours)

Tutorials on the content of the theoretical classes and as support to the historical research work (3 hours).

Group work (bibliographic review) on a topic agreed upon and supervised by the teacher. Each group will present their work before the teachers and the rest of the students (4 hours).

Visit to archives, museums and libraries: we will visit the Casa Ganaderos and the Anatomy Museum. (5 hours).

#### **5. Assessment system**

Continuous assessment

Theory (60% of the grade)

- Continuous assessment of the theoretical classes. It will consist of 3 short answer questions, which will be asked at the end of the classes. Each question is worth 1 point. Those students who attend 6 or less classes will obtain 0% of the theoretical points. Those who attend 7-10 classes will obtain 70% of the theoretical points. Students who attend 11 or more classes will obtain 100% of the theoretical points. This part will account for 50% of the theory grade of the subject.

- Written exam of the theoretical topics. It will consist of 15 short answer questions. Each question is worth 2 points. Passing this exam will require obtaining half of the total points of the exam. This part will account for 50% of the theory grade of the subject.

Practice (40% of the grade)

- Performance and presentation of a work. The assessment of the practical part of the subject is worth 40% of the final grade. The presentation will be graded from 0 to 10.

In order to pass the subject the student must obtain a grade of 5 or higher in the theoretical exam and 5 or higher in the presentation of the work.

5.2. Overall assessment:

-Global assessment Students who do not choose the continuous assessment method will have to take a global assessment of the whole subject. It will consist of a historical research paper (40% of the final grade) and a written exam with 15 questions of the theoretical part, which will account for 60% of the final grade.