

28414 - History of Veterinary Science

Syllabus Information

Academic Year: 2020/21

Subject: 28414 - History of Veterinary Science

Faculty / School: 105 - Facultad de Veterinaria

Degree: 451 - Degree in Veterinary Science

ECTS: 3.0

Year: 2

Semester: First semester

Subject Type: Optional

Module: ---

1.General information

1.1.Aims of the course

The main goal is to introduce students to the origin and evolution of Veterinary Science and its location in the History of Science. Students should acquire a basic knowledge about the evolution of the profession and its organization through the times, as well as the assessment and understanding of the historical trajectory of veterinary science and profession.

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

1.2.Context and importance of this course in the degree

During the development of the Grade, students do not have a subject in which the sense of the veterinarian is exposed and the social importance that has had and continues to have. Studying the subject, the student will become aware of the evolution of the profession over time, from the beginning when the figure of the veterinarian was that of a mere healer of animals, to nowadays in which not only veterinary medicine but also the production and health and hygiene of food of animal origin takes on importance.

The meaning and context of Veterinary History is based on the study of the past of the veterinary profession in order to better understand the role of the profession in the current social context of Europe in the 21st century.

1.3.Recommendations to take this course

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2.Learning goals

2.1.Competences

On successful completion of this course, the student will be more competent to understand the past and importance of the veterinary profession and be able to transmit it in any professional context.

2.2.Learning goals

If students complete the course successfully, they should be able to

1. Relate the basic knowledge of Veterinary history with the rest of the subjects that make up the curriculum.
2. Differentiate the "veterinary performances" that took place before the birth of the Veterinary as a Science and as a Profession.
3. Know in chronological form, the historical facts that have been fundamental for Veterinary Medicine, so much to national level as international.
4. Manage bibliography and other sources of knowledge related to veterinary medicine and using them to carry out

simple works of historical research.

2.3.Importance of learning goals

The student will develop practical and methodological skills through non-presential work; which will make them to develop text analysis, search for manual and computerized documentation, understand it and translate it into a brief work of historical research that will have to defend in front of the class and teachers.

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

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

The final grade of the course will consist of the evaluation of the theoretical part (60% of the grade) and the practical part (40% of the grade), according to the following guidelines:

- **Continuous assessment of the theoretical classes.** It will consist of 3 short answer questions about the content of the class, which will take place in the final minutes of each of the 15 theoretical sessions. Each question will be assessed with 1 point. Evaluates learning outcomes 1, 2 and 3. Those students who attend 6 or fewer classes will be 0% of the theoretical points. Those who attend 7-10 classes will be 70% of the theoretical points. Students attending 11 or more classes will have 100% of the theoretical points. This part will be 50% of the subject's theoretical grade.

- **Written examination of the theoretical subject.** It will consist of 15 questions, with a brief answer, one for each topic explained and which will be carried out on the date foreseen by the centre. Evaluate learning outcomes 1, 2 and 3. Each question will score 2 points. Passing this exam will require obtaining half of the total exam points. This part will be 50% of the subject's theoretical grade.

- **Accomplishment and exposition of a work and discussion of the works of other groups.** It will be held at the last weeks of the quarter. Evaluates learning outcome 4. The evaluation of the practical part accounts for 40% of the final grade of the subject. The exposure will be scored from 0 to 10.

- **Global assessment:** Students who do not perform the continuous assessment will be required to conduct a global assessment of the entire 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 and 60% of the final grade.

In order to pass the course it is necessary that the student obtains a grade of 5 or more in the theoretical examination and in the exposition of the work. It is not possible to compensate the theoretical grade with the work grade and vice versa.

Marking system:

According to the national regulation Law 1025/2003, 5th of September which lays down the European system of credits and marking system for the university degree.

0-4,9: FAIL.

5,0-6,9: PASS

7,0-8,9: GOOD (NT).

9,0-10: EXCELLENT (SB).

As the article 158 of the Statutes of the University of Zaragoza lays down, provisional grades will be displayed at least for 7 days and students will be able to review them on the date, time and place provided for that purpose

The passing of the practices and their qualification will be maintained for successive calls of the subject in subsequent courses, within the Grade.

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The learning process that has been designed for this course is based on the face-to-face teaching with 15 lectures where is collected, summarized, the history and major events of the veterinary profession.

A practical program that includes management of bibliography and sources of knowledge; production and exhibition of a monograph work on group, and discussion of the works exhibited by other groups. Visits to museums, archives or libraries of veterinary interest explained by professionals of these centers.

4.2.Learning tasks

The program offered to students to assist in achieving the expected results includes the following activities

- Class attendance to develop the main themes of which consists the agenda. Exhibition of theoretical issues in classroom (teachers may put these topics and information available to the student in the ADD, Moodle platform). This activity comprises 15 hours.
- Management of bibliography, search of information and sources of knowledge (3 hours), which will be held in the computer classroom and the library of the Faculty of Veterinary medicine.

- Tutoring, support to the work of historical research that the student needs to develop both learning the contents of the lectures. The activity is 3 hours.
- The student will perform a work on group (literature review, review of historical novel, and comment on old veterinary material), about a subject previously agreed and supervised by the teacher. Each group will expose your work to the teacher and other students who will participate in the discussion of the same. This activity comprises 4 hours.
- Visit to archives, museums and libraries: we will visit Casa Ganaderos and the library of the humanities, Maria Moliner. In these centers will be consulted old books of Albeitería and livestock by which the student checks the sources of history of the veterinary knowledge. The activity is 5 hours.

4.3.Syllabus

The course will address the following topics:

Theoretical programme

TOPIC 1- The veterinary. Concepts on their mission from the antiquity to them times current: judgment critical. The veterinary word and its different meanings.

TOPIC 2- The veterinary medicine in the age old: prehistory and sources natural. Animal domestication.

TOPIC 3- The veterinary in the world classic: Greece and Rome.

TOPIC 4 - veterinary medicine in the Middle Ages: guilds, brotherhoods. The Arabic legacy.

TOPIC 5- The livestock in the Middle Ages: El Concejo de la Mesta and the Casa de Ganaderos of Zaragoza.

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

TOPIC 7- Scientific advances of the centuries XVI-XVIII and its importance in the context of veterinary. Humanism scientific.

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

TOPIC 9 - The origin of veterinary education in Spain: the school of veterinary medicine in Madrid. The first plans of study. The figure of Mr. Segismundo Malats and its heritage.

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

TOPIC 11- The Military veterinary. His influence in the birth of the profession. Military Veterinary corps.

TOPIC 12 - The veterinary facing the mayor animals diseases.

TOPIC 13 - The food science veterinary, the inspection and the control of food.

TOPIC 14 - Veterinary medicine in defence of public health. Fight against zoonoses.

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

Practical programme

1. Introduction. Management of bibliography, search of information and sources of knowledge, that is held in the classroom computer and in the library of the veterinary Faculty.
2. Production, exhibition and discussion of monographic works, comment of text, into groups of 3-4 students. It will consist of the work by the teacher tutoring and exposure to other students and teachers.
3. Visits to museums, archives or libraries. Casa de Ganaderos and the library's Humanities Maria Moliner will be visited. In these centers are saved important documents and books of ancient livestock and of Albeitería.

4.4.Course planning and calendar

The subject is taught during the first semester of the course with a class theoretical to the week to complete the 15 planned. The practical program will require a 3 hour session for search and management of bibliography, 2 sessions of 2.5 h and a session of 2 h, for the tutoring of works and subsequent exposure and discussion, and two sessions of 2.5 hours for the visit to archives and museums.

The course will be taught in the first four-month period from the 2nd year of the Degree in Veterinary Medicine.

The dates and key milestones of the course are described in detail, together with the rest of the subjects of the Veterinary Degree, on the website of the Faculty of Veterinary Medicine (link: <http://veterinaria.unizar.es/gradoveterinaria/>).

This link will be updated at the beginning of each academic year.

4.5.Bibliography and recommended resources