

History of Veterinary Medicine

Code: 102619
ECTS Credits: 3

2024/2025

Degree	Type	Year
2502445 Veterinary Medicine	OT	5

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Teachers

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Teaching groups languages

You can view this information at the [end](#) of this document.

Prerequisites

There are not any pre-requisites

Objectives and Contextualisation

After completing the course, the students are expected to know:

- The concept health-disease along history
- The historical basics of veterinary science
- The evolution of ethics along human history

The expected results will be:

- To know the evolution of Veterinary science

To know the historical basics and evolution of veterinary profession

Competences

- Comunicar la informació obtinguda durant l'exercici professional de manera fluïda, oralment i per escrit, amb altres col·legues, autoritats i la societat en general.
- Demonstrate knowledge and understanding of the aspects of organisation, finance and management in all fields of the veterinary profession.
- Demonstrate knowledge of the history and evolution of veterinary science through its professional activities.
- Demonstrate knowledge of the rights and duties of the veterinarian, with a special focus on ethical principles
- Have basic knowledge of the profession, and in particular of the organisation and functions of professional practice.
- Work effectively in single or multidisciplinary teams and show respect, appreciation and sensitivity for the work of others.

Learning Outcomes

1. Analyse and describe in general terms the role and status of veterinary science and its present-day social relations.
2. Communicate information obtained during professional exercise in a fluid manner, orally and in writing, with other colleagues, authorities and society in general.
3. Describe the bioethical principles applied to the scientific method and to veterinary activity.
4. Globally analyse and describe the role and situation of veterinary science and its social relationships throughout history and in the modern era.
5. Have basic knowledge of the profession, and in particular of the organisation and functions of professional practice.
6. Identify and characterise the different stages in the history of healthcare and veterinary science.
7. Identify the role of the veterinarian in all scientific and professional activities as well as their interaction with other healthcare professions.
8. Recognise scientific method and its application and development in the field of health and life sciences.
9. Work effectively in single or multidisciplinary teams and show respect, appreciation and sensitivity for the work of others.

Content

Block I. The history of health science based in all common elements between sanitary professions (with priority to veterinary elements)

Chapter 1: Animals archaeology. Chronologic dating methods. Paleopathology.

Chapter 2: Disease, history and society. The disease as a social product. The diffusion of diseases. The role of the disease along history.

Chapter 3: Religious concepts of the disease. The disease in the archaic cultures. Common traits. Egypt, Mesopotamia and the Hebrew.

Chapter 4: The classic world. Health and illness in classical Greco-Roman society. Origins of classical Greek medicine. Hippocrates and the humoral doctrine. The post-Hippocratic period: Alexandrian and Roman Hellenism. Galen.

Chapter 5: The transition from the classical world to the Middle Ages. The Hellenistic heritage in Byzantium. The beginning of Veterinary literature: the Byzantine compilations. Medieval Islam: Avicenna. Schools of translators. The creation of universities.

Chapter 6: The High and Low Middle Ages. Science and Christianity in the High Middle Ages. Monastic culture in Western Europe: medicine, botany and medieval bestiaries. The Late Middle Ages: the treatises of medieval Europe.

Chapter 7: The physician-colloquium

Chapter 8: Nature and disease at the classical societies of Orient. Indian classical medicine. Chinese classical medicine.

Chapter 9: Nature sciences at Renaissance (14th century). New concepts of renaissance world. The Anatomy: Vesalius movement and consequences. The botanic revolution.

Chapter 10: Origins of modern medical sciences (17th and 18th centuries). Paracelsus. The scientific method. The first attempts of systematization: iatromechanics and iatrochemistry. The microscope

Chapter 11: Scientific expeditions at 18th and 19th centuries: Malaspina, Humboldt, Darwin. La constitution of the evolutionist thinking. Social Darwinism and eugenics.

Chapter 12: Women and veterinary medicine

Chapter 13: Documentary "Equus: The Power of Horses"; Evolution of the horse and man: evolution of the species, its importance for humanity, its adaptations by natural and human selection.

Block II. Veterinary as a profession

Chapter 14: *Albeiteria*. Systems of control of exercise: exam courts, teaching, books and evaluation. The figure of *albéitar/manescal*.

Chapter 15: Birth of veterinary schools. Origin and causes of their appearance. European diffusion. Characteristics of the application of the veterinary teaching model in Spain.

Chapter 16: Comparative anatomy and embryology

Chapter 17: Pathology and clinic of the contemporary period (19th and 20th centuries). Pathological anatomy and the anatomoclinical mentality. The laboratory and the pathophysiological mentality. The microbiological revolution and the etiopathological mentality.

Chapter 18: The beginnings of Microbiology and Immunology. First observations of microorganisms. The dawn of Vaccination. The golden age of Bacteriology: Pasteur and Koch.

Chapter 19: Biological bases of diseases in today's world (19th and 20th centuries). Microscopic anatomy (histology and cell theory). The constitution of biochemistry, genetics and molecular biology. The birth of animal medicine and surgery.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Lectures	20	0.8	4, 7, 6, 8

Workshops	6	0.24	4, 2, 7, 6, 8, 5, 9
Type: Supervised			
Tutorials	3	0.12	
Type: Autonomous			
Self-learning work development	18	0.72	4, 2, 7, 6, 8, 5, 9
Study	28	1.12	4, 7, 6, 8

The "Veterinary History" course uses different methodologies to reach the above-mentioned objectives. Mainly:

1. Traditional lectures to provide basic information on the different chapters
2. Workshops to discuss additional or specific subjects and discuss historical events related with veterinary activities
3. Self-learning work: Reading and analysis of relevant scientific books or papers about veterinary activities, to understand how professional activities have developed along other health professions. Groups of 4-5 students have to write a report and present in public their work.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Participation and performance at the lectures and workshops	30%	0	0	2, 7, 6, 5, 9
Self-learning work	70% (35% Correction of written work + 35% Oral presentation and discussion of written work)	0	0	1, 4, 2, 3, 7, 6, 8, 5, 9

- Evaluation of participation and performance at the lectures and workshops. OPTIONAL.
- Correction of written work. MANDATORY. (40%)
- Oral presentation and discussion of written work. MANDATORY. (30%)

This subject does not provide for a single evaluation system.

The student who does not submit and defend the work will be considered as "non-evaluable"

Bibliography

Basic bibliography

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WALKER, Robin E. **Ars veterinaria: the veterinary art from antiquity to the end of the XIXth century: historical essay**. Kenilworth, Schering-Plough Animal Health, 1997.

Interesting websites

Associació Catalana d'Història de la Veterinària (ACHV)

<http://achv.wordpress.com/category/achv/>

Asociación Española de Historia de la Veterinaria (AEHV)

<http://www5.colvet.es/aehv/index.html>

World Association for the History of Veterinary Medicine (WAHVM)

<http://wahvm.org/>

Digital found of Veterinary History

<http://ddd.uab.cat/collection/fonhisvet>

American Veterinary Medical History Society

<http://www.cvm.missouri.edu/avmhs/>

Australian Veterinary History Society

<http://www.vetsci.usyd.edu.au/avhs/>

The Veterinary History Society (UK)

<http://www.rvc.ac.uk/Guests/VetHistSoc/vhs.htm>

Asociación Argentina de Historia de la Veterinaria

<http://www.asarhive.com.ar/>

Web de la Associazione Italiana di Storia della Medicina Veterinaria e della Mascalcia (A.I.S.Me.Ve.M)

<https://storiamedicinaveterinaria.com/link/>

Sociedad Mexicana de Historia de la Medicina Veterinaria y

Zootecnia

<http://www.fmvz.unam.mx/smhmv/>

Museo de Veterinaria Militar, el museo de las ciencias veterinarias

<http://www.ejercito.mde.es/organizacion/index.html>

Software

Not necessary any special software.

Language list

Name	Group	Language	Semester	Turn
(SEM) Seminars	1	Catalan	first semester	morning-mixed
(SEM) Seminars	2	Catalan	first semester	morning-mixed
(TE) Theory	1	Catalan	first semester	morning-mixed