

**MINISTRY OF SCIENCE AND EDUCATION OF THE
REPUBLIC OF AZERBAIJAN
KHAZAR UNIVERSITY
HASVET FACULTY OF VETERINARY MEDICINE
DEPARTMENT OF VETERINARY MEDICINE**

**History of veterinary medicine and deontology
SYLLABUS**

Academic Year and Semester:
Fall Semester of the 2026/27 Academic Year

Instructor: Aygun Ganbarzade

Reviewed by:

Approved by:

Head of Department:

Dr. Sabina Mammadova

History of Veterinary Medicine and Professional Ethics (Deontology)

General information	Course name, code and credits	VET 110 History of Veterinary Medicine and Deontology (Professional Ethics), 4 ECTS
	Department	Veterinary Medicine
	Program (bachelor, master)	Bachelor
	Academic semester	Fall Semester of the 2026/27 Academic Year
	Instructor	Aygun Ganbarzade
	E-mail	aygunium@gmail.com
	Phone	
	Lecture hall/Table	
	Consultation hour	To be arranged with students
Prerequisites	None	
Language of instruction	English	
Course type	Elective	
Reading list and references	Main literature: 1. Bruce Vivash Jones. The History of Veterinary Medicine and the Animal-Human Relationship. 5m Publishing, UK-2022 2. Michael Thrusfield, Robert Christley et al. Veterinary Epidemiology - IV Edition. Wiley-Blackwell, UK-2018 3. P.J. Quinn, B.K. Markey et al. Veterinary Microbiology and Microbial Disease - II Edition. Wiley-Blackwell, UK-2011 4. Susan D. Jones, Peter A. Koolmees. A Concise History of Veterinary Medicine. Cambridge University Press, UK-2022 5. İ. Gəncəyev, F. Nəsibov. Heyvanların daxili xəstəlikləri. Bakı-2020 6. Zahir Ələsgərov. Antropozoonoz xəstəliklər. Bakı-2016 7. Gray, C. & Moffett, J. (2010). Handbook of Veterinary Communication Skills. Wiley-Blackwell. 8. Magalhães-Sant'Ana, M. (2016). A theoretical framework for human and veterinary medical ethics education. Advances in Health Sciences Education, 21(5), 1123-1136. 9. Magalhães-Sant'Ana, M. (2014). Ethics teaching in European veterinary schools: a qualitative case study. Veterinary Record, 175(23), 592. 10. Magalhães-Sant'Ana, M., More, S.J., Morton, D.B., Osborne, M. & Hanlon, A.J. (2015). What do European Veterinary Codes of Conduct actually say and mean? A case study approach. Veterinary Record, 176(25), 654. 11. Magalhães-Sant'Ana, M., Lassen, J., Millar, K., Sandøe, P. & Olsson, I.A.S. (2014). Examining why ethics is taught to veterinary students. Journal of Veterinary Medical Education, 41(4), 350-357.	

12. World Organisation for Animal Health (WOAH). Recommendations on the Competencies of Graduating Veterinarians (“Day 1 Graduates”). <https://www.woah.org/en/document/dayone-b-ang-vc/>
13. World Organisation for Animal Health (WOAH). Guidelines on Veterinary Education Core Curriculum. <https://www.woah.org/en/document/af-core-ang/>
14. World Organisation for Animal Health (WOAH). Terrestrial Animal Health Code, 31st Edition, Volume I: General Provisions. 2023. <https://www.woah.org/app/uploads/2025/01/en-cast-toc-1-2023.pdf>
15. World Organisation for Animal Health (WOAH). Animal Welfare Standards and Guidelines. <https://www.woah.org/en/what-we-do/animal-health-and-welfare/animal-welfare/implementation-of-animal-welfare-standards-and-policies/>
16. World Organisation for Animal Health (WOAH). Antimicrobial Resistance. <https://www.woah.org/en/what-we-do/global-initiatives/antimicrobial-resistance/>
17. British Veterinary Association (BVA). BVA Ethics and Welfare Guidance. <https://www.bva.co.uk/resources-support/ethical-guidance/>
18. Royal College of Veterinary Surgeons (RCVS). Code of Professional Conduct for Veterinary Surgeons. <https://www.rcvs.org.uk/veterinary-professionals/conduct-and-guidance/code-of-professional-conduct-for-veterinary-surgeons>
19. Federation of Veterinarians of Europe (FVE). European Veterinary Code of Conduct. https://fve.org/cms/wp-content/uploads/FVE_Code_of_Conduct_2019_R1_WEB.pdf
20. American Veterinary Medical Association (AVMA). Principles of Veterinary Medical Ethics of the AVMA. <https://www.avma.org/resources-tools/avma-policies/principles-veterinary-medical-ethics-avma>

Additional literature:

21. Patricia Marques. Veterinary Bacteriology. Canada-2021
22. Sandøe, P., Corr, S., Palmer, C. Companion Animal Ethics. Wiley-Blackwell, 2016.
23. Минеева, Т.Н. История ветеринарии. Учебное пособие. РФ-2005
24. История ветеринарной медицины. Учебник. Саратов-2016
25. Э. Салимзаде. История ветеринарии от истоков до наших дней. Астрахань-2021
26. Q.Q. Abdullayev. Kənd təsərrüfatı heyvanlarının yetişdirilməsi. Bakı-2018
27. Cooney, K.A., et al. Veterinary Euthanasia Techniques: A Practical Guide. Wiley-Blackwell, 2012.

Course description	The course “History of Veterinary Medicine and Professional Ethics (Deontology)” explores the emergence and development of veterinary medicine from antiquity to the present day, with particular attention to the scientific discoveries, prominent figures, and veterinary schools that have shaped the profession throughout history. It examines the evolution of approaches to the treatment, prevention, and diagnosis of animal diseases, as well as the contribution of veterinary medicine to society and animal husbandry. The course also introduces the ethical and deontological principles underlying modern veterinary practice, including professional responsibility, animal welfare, public health, and food safety. Students develop the ability to recognise and analyse ethical dilemmas, make professionally and ethically sound decisions, communicate effectively with animal owners, and apply principles related to confidentiality, conflicts of interest, professional independence, and accountability. The course further explores the links between veterinary medicine, animal husbandry, zoonotic disease control, and food safety, and examines the role of veterinary medicine within the One Health approach, including the contribution of international organisations and the growing use of data analytics in veterinary practice and decision-making.
Course objectives	The main objective of the course is to provide students with a systematic understanding of the origins and historical development of veterinary medicine while fostering high standards of professional, ethical, and deontological conduct. The course introduces students to the historical knowledge and professional developments that have shaped the field, highlights their importance in protecting animal health, and fosters scientific thinking and an understanding of the professional development of veterinary medicine. Students also gain an understanding of the contributions of prominent scholars and scientific schools to the development of veterinary medicine across different historical periods, while developing the ability to analyse and critically evaluate historical developments. Upon completion of the course, students should be able to: - analyse the major stages in the historical development of veterinary medicine and compare the development of its different branches; - evaluate the contributions of prominent scientists and scientific schools to the advancement of veterinary medicine; - identify the professional and ethical responsibilities of veterinarians and analyse ethical dilemmas and professional conflicts using recognised ethical frameworks; - apply animal welfare principles in veterinary practice; - communicate professionally and effectively within the veterinarian–client relationship; - explain the principles of confidentiality, conflicts of interest, and professional independence; - explain and justify the role of veterinary medicine in food safety and within the One Health approach;

	• assess the impact of modern technologies and data analytics on veterinary practice.		
Learning outcomes	By the end of the course, students will be able to: • analyse the major stages in the historical development of veterinary medicine and evaluate the contributions of prominent scientists and scientific schools to its different branches; • identify the professional and ethical responsibilities of the veterinarian and analyse ethical dilemmas and professional conflicts using recognised ethical frameworks; • apply animal welfare principles to situations arising in veterinary practice; • communicate professionally and effectively with clients, colleagues, and other relevant stakeholders, including in difficult conversations; • explain the principles of confidentiality, conflicts of interest, professional independence, and professional accountability; • justify the role of veterinary medicine in food safety and within the One Health approach; • assess the implications of emerging technologies, including artificial intelligence and data analytics, for contemporary veterinary practice and professional ethics. Alignment with International Standards This course contributes to the WOA (World Organisation for Animal Health) Day 1 Competencies for Graduating Veterinarians, particularly competencies related to zoonoses, including food-borne diseases (3); food hygiene (6); animal welfare (8); veterinary legislation and ethics (9); and communication skills (11). The course is also aligned with the EAEVE Day 1 Competences, particularly those addressing the veterinarian's ethical and legal responsibilities towards animals, clients, society, and the environment, as well as professional communication and public health responsibilities.		
Teaching methods	Lectures supported by visual and multimedia materials		x
	Practical exercises and workshops		x
	Group discussions and flipped-classroom activities		x
	Case-based learning and situational analysis		x
	Structured debates and ethical-dilemma discussions		x
	Review-article writing and academic research activities		x
	Individual student presentations		x
Assessment	Components	Timing/deadline	Percent (%)
	Review article and presentation	During the semester	10
	Quiz	During the semester	5
	Activity (participation)	During the semester	10
	Case study and ethical dilemma	During the semester	5
	Midterm examination	Mid-semester	30
	Final examination	End of semester	40
	Total		100

Course Policies (Teaching Policy and Conduct)	Organisation of Teaching • General information concerning the course content, structure, and requirements will be provided to students at the beginning of the semester. • New topics will be introduced and explained through lectures supported by visual and multimedia materials, including PowerPoint presentations and educational videos. • Students' understanding and progress will be assessed through appropriate formative activities prior to the midterm and final examinations. • During the semester, each student is required to prepare and present a short review article on an assigned topic. The assignment is designed to develop students' academic research and scientific writing skills, including the ability to identify, retrieve, critically evaluate, and synthesise relevant scientific literature; understand the structure and organisation of a review article; appropriately cite academic sources; and adhere to principles of academic integrity and avoid plagiarism. The review article should be one to two pages in length, excluding references. The completed article must be submitted in printed form and presented in class. The presentation, including the subsequent discussion, must not exceed 15 minutes. An introductory workshop will be conducted to familiarise students with the requirements of the assignment, and the assessment rubric will be provided in advance. Specific topics and detailed requirements will be discussed in class. Attendance Regular attendance and active participation in all classes are expected. In the event of an absence, students are required to inform the faculty dean's office and provide an appropriate justification, such as illness or family circumstances. Students who are absent from more than 25% of the scheduled classes will not be eligible to sit the examination. Lateness and Disruption of Classes Students arriving more than 10 minutes after the scheduled start of a class will be recorded as absent but may remain in and participate in the class. Quizzes A student who is unable to take a quiz due to a legitimate reason communicated in advance to the instructor and the faculty dean's office may be permitted to complete the quiz during the following week. Examinations All matters relating to students' eligibility to participate in examinations, as well as examination absences, will be addressed in accordance with the procedures established by the faculty administration.
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	The topics covered in the midterm and final examinations will be communicated to students in advance. Questions included in the midterm examination will not be repeated in the final examination. Examination Misconduct Any form of disruption of the examination process, as well as academic misconduct, including copying or unauthorised assistance, is strictly prohibited during the midterm and final examinations. In the event of a violation, the student's examination will be invalidated, and the student will be assigned a grade of 0 (zero). Course Completion Requirements In accordance with the University's academic regulations, a minimum overall achievement of 60% is required for successful completion of the course. Students who do not successfully complete the course may retake it in a subsequent semester or academic year in accordance with the applicable University regulations. Student Conduct Students are expected to maintain a professional and respectful learning environment. Disruptive behaviour, violation of academic and ethical standards, unauthorised discussions that interfere with the learning process, and the use of mobile phones during classes are prohibited.
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Approximate distribution of hours by topic - calendar and thematic plan

Week	Titles of Topics	Readings
I	Historical development of veterinary medicine through the ages (ancient civilisations to the modern profession) and its founding principles.	1 (pages 267-291), 4 (pages 1-133)
II	History of veterinary microbiology, parasitology and virology (the germ-theory era; Pasteur, Koch).	3 (pages 3-6), 4 (pages 134-201)
III	History of veterinary surgery; pain and suffering management, euthanasia, and the ethical foundations of animal welfare, including the five freedoms and five domains' models.	14 (pages 333-335), 15 (link), 18 (link)
IV	Historical development of animal husbandry and livestock production	1 (pages 334-352)
V	History of veterinary therapy and obstetrics.	5 (pages 39-53)
VI	History of veterinary genetics and epidemiology.	2 (pages 28-41)
VII	History of veterinary pharmacology; responsible use of medicines and the ethics of antimicrobial resistance (AMR).	14 (pages 290-315), 16 (link)
MIDTERM EXAMINATION		

VIII	Veterinary deontology: concept, subject and core principles; the veterinarian's professional ethics and responsibility.	8 (pages 1123-1136), 9 (page 592), 11 (pages 350-357), 12 (link)
IX	Collegial relationships in veterinary practice, professional conduct, and hygiene and sanitary requirements for veterinary establishments.	18 (link), 19 (link), 20 (link)
X	The veterinarian-client relationship and professional communication (the Calgary-Cambridge framework; difficult conversations, including euthanasia discussions).	7 (pages 25-38), 18 (link), 19 (link), 20 (link)
XI	Codes of professional ethics of the veterinary profession (RCVS, FVE, AVMA, BVA, WOAH). Ethical problems arising in veterinary practice: the ethical decision-making process and proposed solutions (case analysis).	10 (page 654), 12 (link), 17 (link), 18 (link), 19 (link), 20 (link)
XII	The role of veterinary medicine in food safety; the veterinarian's responsibility to society, public health and food safety.	4 (pages 276-328), 14 (pages 270-275)
XIII	The role of veterinary medicine in the One Health concept; principles and ethical requirements for laboratory research involving animals	4 (pages 329-368), 13 (link), 14 (pages 423-432), 15 (link)
XIV	Artificial intelligence, data analytics, and ethical responsibility in contemporary veterinary medicine	2 (pages 201-218), 8 (pages 1123-1136)
XV	Historical development of veterinary medicine in Azerbaijan: major institutions, scientific schools, and prominent Azerbaijani veterinarians.	5 (pages 16-20), 6 (pages 182, 200, 228, 239)
FINAL EXAMINATION		