



**ERCIYES UNIVERSITY
FACULTY OF VETERINARY MEDICINE**

ANNEXES

**EAEVE FULL VISITATION
KAYSERİ 2025**



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**Annex 1. Current teaching staff, qualifications, their FTE,
teaching responsibilities and departmental affiliations**

Department of Basic Sciences				
Last name, First name	Qualification	PhD	FTE	Teaching responsibilities
Düzler, Ayhan	Professor	PhD	Full-time	Department of Anatomy
Nur, İsmail Hakkı	Professor	PhD	Full-time	Department of Anatomy
Alan, Aydın	Professor	PhD	Full-time	Department of Anatomy
Orhan, İmdat	Assistant Professor	PhD	Full-time	Department of Anatomy
Poscu, Osman Talha	Research Assistant	No	Full-time	Department of Anatomy
Çetin, Ebru	Professor	PhD	Full-time	Department of Physiology
Yaman Gram, Duygu	Assistant Professor	PhD	Full-time	Department of Physiology
Eren, Meryem	Professor	PhD	Full-time	Department of Biochemistry
Şentürk, Meryem	Assistant Professor	PhD	Full-time	Department of Biochemistry
Bozbek, Çağlar Kaan	Research Assistant	No	Full-time	Department of Biochemistry
Beyaz, Feyzullah	Professor	PhD	Full-time	Department of Histology and Embryology
Küçük Bayram, Güner	Professor	PhD	Full-time	Department of Histology and Embryology
Liman, Narin	Professor	PhD	Full-time	Department of Histology and Embryology
Alan, Emel	Professor	PhD	Full-time	Department of Histology and Embryology
Gram, Aykut	Associate Professor	PhD	Full-time	Department of Histology and Embryology
Cabir, Ahmet	Research Assistant	No	Full-time	Department of Histology and Embryology
Sinmez, Çağrı Çağlar	Associate Professor	PhD	Full-time	Department of Veterinary Medicine History and Deontology
Aykun, Ali İlteriş	Research Assistant	No	Full-time	Department of Veterinary Medicine History and Deontology
Kamacı Özocak, Gonca	Assistant Professor	PhD	Full-time	Department of Laboratory Animal Science
Department of Preclinical Science				
Last name, First name	Qualification	PhD	FTE	Teaching responsibilities
Aydın, Fuat	Professor	PhD	Full-time	Department of Microbiology

Gümüşsoy, Kadir Semih	Professor	PhD	Full-time	Department of Microbiology
Abay, Seçil	Professor	PhD	Full-time	Department of Microbiology
Karakaya, Emre	Assistant Professor	PhD	Full-time	Department of Microbiology
Güran, Özgür	Research Assistant	No	Full-time	Department of Microbiology
Çakır Bayram, Latife	Professor	PhD	Full-time	Department of Pathology
Ekebaş, Görkem	Research Assistant	PhD	Full-time	Department of Pathology
Yağlı, Kübra	Research Assistant	No	Full-time	Department of Pathology
İnci, Abdullah	Professor	PhD	Full-time	Department of Parasitology
Düzlü, Önder	Professor	PhD	Full-time	Department of Parasitology
Yıldırım, Alparslan	Professor	PhD	Full-time	Department of Parasitology
Önder, Zühal	Associate Professor	PhD	Full-time	Department of Parasitology
Çiloğlu, Arif	Associate Professor	PhD	Full-time	Department of Parasitology
Uslu, Sadullah	Lecturer	PhD	Full-time	Department of Parasitology
Özkaya, Gamze	Research Assistant	PhD	Full-time	Department of Parasitology
Gençay Göksu, Ayşe	Associate Professor	PhD	Full-time	Department of Virology
Sözdutmaz, İbrahim	Assistant Professor	PhD	Full-time	Department of Virology
Kaplan, Büşra	Research Assistant		Full-time	Department of Virology
Eraslan, Gökhan	Professor	PhD	Full-time	Department of Pharmacology and Toxicology
Liman, Bilal Cem	Professor	PhD	Full-time	Department of Pharmacology and Toxicology
Kanbur, Murat	Professor	PhD	Full-time	Department of Pharmacology and Toxicology
Koç, Feride	Professor	PhD	Full-time	Department of Pharmacology and Toxicology
Tekeli, Muhammet Yasin	Associate Professor	PhD	Full-time	Department of Pharmacology and Toxicology
Çelik, Metin	Research Assistant		Full-time	Department of Pharmacology and Toxicology
Yılmaz, Erdal	Professor	PhD	Full-time	Department of Aquatic Products and Diseases

Koca, Fatih Doğan	Associate Professor	PhD	Full-time	Department of Aquatic Products and Diseases
Department of Clinical Science				
Last name, First name	Qualification	PhD	FTE	Teaching responsibilities
Atalan, Gültekin	Professor	PhD	Full-time	Department of Surgery
Erol, Hanifi	Associate Professor	PhD	Full-time	Department of Surgery
Yönez Muhammed Kaan	Assistant Professor	PhD	Full-time	Department of Surgery
Alpman, Umut	Research Assistant	PhD	Full-time	Department of Surgery
Perk, Gökçen	Research Assistant	No	Full-time	Department of Surgery
Keleş, İhsan	Professor	PhD	Full-time	Department of International Medicine
Çitil, Mehmet	Professor	PhD	Full-time	Department of International Medicine
Güneş, Vehbi	Professor	PhD	Full-time	Department of International Medicine
Aslan, Öznur	Professor	PhD	Full-time	Department of International Medicine
Onmaz, Ali Cesur	Professor	PhD	Full-time	Department of International Medicine
Karaca Bekdik, İlknur	Assistant Professor	PhD	Full-time	Department of International Medicine
Ekinci, Gencay	Assistant Professor	PhD	Full-time	Department of International Medicine
Bekyürek, Tayfur	Professor	PhD	Full-time	Department of Obstetricsand Gynecology
Gürbulak, Kutlay	Professor	PhD	Full-time	Department of Obstetricsand Gynecology
Akar, Yaşar	Professor	PhD	Full-time	Department of Obstetricsand Gynecology
Canooğlu, Esra	Assistant Professor	PhD	Full-time	Department of Obstetricsand Gynecology
Abay, Murat	Associate Professor	PhD	Full-time	Department of Obstetricsand Gynecology
Atay, Yunus Emre	Research Assistant	PhD	Full-time	Department of Obstetricsand Gynecology
Aslan, Hazal Aysin	Research Assistant	No	Full-time	Department of Obstetricsand Gynecology
Demiral, Ömer Orkun	Professor	PhD	Full-time	Department of Reproductionand Artificial Insemination
Sarıözkan, Serpil	Professor	PhD	Full-time	Department of Reproductionand Artificial Insemination

Öztürk, Ali Erdem	Assistant Professor	PhD	Full-time	Department of Reproductionand Artifical Insemination
Tüfekçi, Emre	Assistant Professor	PhD	Full-time	Department of Wild Animal Diseases
Department of Zootechnics and Animal Nutrition				
Last name, First name	Qualification	PhD	FTE	Teaching responsibilities
Baytok, Erol	Professor	PhD	Full-time	Department of Animal Nutrition and Nutritional Disease
Küçük, Osman	Professor	PhD	Full-time	Department of Animal Nutrition and Nutritional Disease
Kocaoğlu Güçlü, Berrin	Professor	PhD	Full-time	Department of Animal Nutrition and Nutritional Disease
Kara, Kanber	Professor	PhD	Full-time	Department of Animal Nutrition and Nutritional Disease
Yılmaz Öztaş, Sena	Research Assistant	No	Full-time	Department of Animal Nutrition and Nutritional Disease
Sarıözkan, Savaş	Professor	PhD	Full-time	Department of Livestock Economics
İşcan, Kaan	Professor	PhD	Full-time	Department of Zootechnics
Bayram, Davut	Associate Professor	PhD	Full-time	Department of Zootechnics
Yalçın, Burak Rahmi	Lecturer	No	Full-time	Department of Zootechnics
Çelik Gürbulak, Elif	Assistant Professor	PhD	Full-time	Department of Biometrics
Arslan, Korhan	Professor	PhD	Full-time	Department of Genetics
Akyüz, Bilal	Professor	PhD	Full-time	Department of Genetics
Aksel, Esmâ Gamze	Assistant Professor	PhD	Full-time	Department of Genetics
Daldaban, Fadime	Assistant Professor	PhD	Full-time	Department of Genetics
Department of Food Hygiene and Technology				
Last name, First name	Qualification	PhD	FTE	Teaching responsibilities
Ertaş Onmaz, Nurhan	Professor	PhD	Full-time	Department of Veterinary Public Health
Uçar, Yeliz	Professor	PhD	Full-time	Department of Veterinary Public Health
Gönülalan, Zafer	Professor	PhD	Full-time	Department of Veterinary Public Health
Hızlısoy, Harun	Associate Professor	PhD	Full-time	Department of Veterinary Public Health

Al, Serhat	Associate Professor	PhD	Full-time	Department of Veterinary Public Health
Barel, Mukaddes	Research Assistant	PhD	Full-time	Department of Veterinary Public Health
Köşkeroğlu, Kürşat	Research Assistant	No	Full-time	Department of Veterinary Public Health

**Annex 2.1 Units of study of the core veterinary programme (including
clinical rotations, EPT and graduation thesis)**

ANATOMY I

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.01	6	1: 1	Compulsory	Lectures: 45 Seminars: 7 Supervised self-learning: 13 Laboratory and desk-based work: 60 Non-clinical animal work: 25 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES The objective of this course is to teach morphological features of domestic mammals comparatively; to prepare a basis for lessons to be taught in the following years and in profession the basic concepts of systematical anatomy the domestic animal species in veterinary anatomy and their places in zoological system, basic features of locomotor system of the domestic mammals (horse, cattle, sheep, goat, pig, dog, cat, etc.) and anatomical similarities and differences between them, the locomotor system, comparison of mammals, identification of species from bones, muscles, digestive organs and respiratory organs. LEARNING OUTCOMES 1. The basic anatomical terminology of veterinary medicine. 2. The basic concepts of systematical anatomy. 3. Basic features of locomotor system of the domestic mammals and constant anatomical similarities and differences between them. 4. Basic features of digestive system of the domestic mammals and constant anatomical similarities and differences between them. 5. Basic features of respiratory system of the domestic mammals and constant anatomical similarities and differences between them. 6. Understanding and explaining anatomical similarities and differences between domestic mammals about these systems.

HISTOLOGY I

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.02	4	1: 1	Compulsory	Lectures: 30 Seminars: 8 Supervised self-learning: 13 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES This course is designed to inform about the cells and tissues fine structurally and microscopically, and to learn the use of microscopy and the define and seperation of cells and tissues microscopically. In this course, the description of cell, structure of cytoplasm, organelles with membrane, organelles with filaments, structure of nucleus and nucleolus, cell divisions, epithelial tissue, connective tissue, cartilage and bone tissues, blood tissue, muscle tissue and nervous tissue are explained theoretically and practically. LEARNING OUTCOMES 1. Learns to use the light microscope. 2. Learns the technique of histological preparation preparation. 3. Gains the ability to recognize cells in histologically prepared preparations. 4. Learns the cell and its types. 5. Gains knowledge about membrane and filamentous organelles. 6. Gains knowledge about nucleus and cell cycle. 7. Learns the types of tissue. 8. Distinguish different staining techniques

HISTORY OF VETERINARY MEDICINE, OCCUPATIONAL ETHICS AND VETERINARY LEGISLATION

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.03	4	1: 1	Compulsory	Lectures: 30 Seminars: 20 Supervised self-learning: 25 Laboratory and desk-based work: 2 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES In this course, it is aimed for students to determine the position of the veterinary profession from a historical perspective, to recognize, understand and interpret ethical and deontological values, to understand and interpret the veterinary legislation. LEARNING OUTCOMES 1. Knows the position of veterinary medicine from a historical perspective from past to present. 2. Gets professional awareness and identity. 3. Gains the practical adaptability necessary for success in professional, social, economic, cultural, philosophical and political life. 4. Learns and interprets ethical and deontological values. 5. Learns ethical and legal responsibilities related to patient, patient owner, society and environment. 6. Learns to have knowledge of organization, management and legislation related to the veterinary profession. 7. Identify ethical problems and learn the best ethical decision-making skills by participating in the ethical decision-making process. 8. The clinic learns to keep patient and case records in a way that is satisfactory to colleagues, understandable and accurate by the community.

					9. It applies its profession with the awareness of professional ethics and protecting animals. 10. Gains a broad understanding and awareness of professional codes of conduct, veterinary ethics and national/international laws and regulations governing veterinary practice.
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BIOPHYSICS					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.04	1	1: 1	Compulsory	Lectures: 15 Seminars: 2 Supervised self-learning: 4 Laboratory and desk-based work: 2 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 2	OBJECTIVES To teach the most basic physics events that should be known in faculties and higher schools. LEARNING OUTCOMES 1. At a basic level, measurement standards and learn the physical size. 2. Recognize the characteristics of the materials. 3. Learn the mechanics of the application of knowledge. 4. Work, energy and power by adopting the concepts apply to everyday life. 5. And the use of sound waves to learn the importance in life of patients. 6. The importance of daily use of the concepts of heat and temperature, to understand the effects of electric and magnetic fields. 7. Laws of physics (mechanical, hydraulic, power, temperature heat, electricity and magnetism) applications to agricultural areas.

ZOOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.05	2	1: 1	Compulsory	Lectures: 15 Seminars: 4 Supervised self-learning: 10 Laboratory and desk-based work: 15 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 6	OBJECTIVES It is aimed to provide veterinarian students with basic knowledge about the systematics, ecology and physiology of vertebrate and invertebrate animals, to understand the biodiversity and to bring an integrated approach to the problems they will encounter, and to introduce the animal world with all its aspects. LEARNING OUTCOMES 1. Knows and can use the basic concepts used in animal systematics. 2. Gains knowledge about vertebrates and Invertebrate groups of the animal kingdom. 3. Recognizes protozoa, knows their biology. 4. Knows the biology of knits and flatworms and recognizes representative examples. 5. Knows the biology of ringed and roundworms and recognizes representative examples. 6. Knows the biology of mollusks and arthropods and recognizes representative examples. 7. Knows the general characteristics of bony, cartilaginous fish and amphibians and recognizes representative examples. 8. Knows the general characteristics of reptiles and recognizes representative examples. 9. Knows the general characteristics of birds and recognizes representative examples. 10. Knows the general characteristics of mammals and recognizes representative examples.

MEDICAL CHEMISTRY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.06	2	1: 1	Compulsory	Lectures: 15 Seminars: 4 Supervised self-learning: 10 Laboratory and desk-based work: 15 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 6	OBJECTIVES In this course, general structure and features of carbon-noncarbon compounds are given theoretically and practically. LEARNING OUTCOMES 1. Student knows; General chemistry, materials, acids and bases redox reactions. 2. Student defines thermodynamic. 3. Student knows, Binding forms of carbon atoms, molecular geometry and load distribution. 4. Student knows, private organic structures and classification. 5. Student knows, Organic matter characteristics and reactions of groups. 6. Student defines; Important biochemical identification of small molecular weight substances.

OCCUPATIONAL ENGLISH					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.07	1	1: 1	Compulsory	Lectures: 0 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 25	OBJECTIVES The aim of this course is to familiarize students with the English terms that they will encounter in veterinary medicine. LEARNING OUTCOMES 1. Students taking this course will learn professional English terms. 2. After taking this course, students will be able to translate English books and English articles. 3. Students taking this course can prepare an English presentation. 4. Students taking this course can understand English articles. 5. Students taking this course can understand English books. 6. Students taking this course can receive information from the university in a foreign country.

OCCUPATIONAL HEALTH AND SAFETY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.08	2	1: 1	Compulsory	Lectures: 15 Seminars: 4 Supervised self-learning: 10 Laboratory and desk-based work: 10 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 6	OBJECTIVES The aim of the course; To educate veterinarians who recognize the concepts of occupational health and safety, who are aware of their legal obligations and who have knowledge of safety culture and culture for health and safety of both themselves and their colleagues in the workplace and in the future. LEARNING OUTCOMES 1. Know basic concepts of occupational health and safety. 2. Can define job accident. 3. Know the general structure of OHS legislation. 4. The purpose of the Law on Occupational Health and Safety No. 6331 and the obligations of employers and employees can be listed. 5. Describe risks from physical, chemical, biological, psychosocial and ergonomic hazards. 6. Know basic concepts of fire and ways of protection. 7. Know personal protective equipment and know how to use it. 8. Know health and safety warning signs 9. It knows the most common zoonotic diseases and knows the methods of protection.

FOREIGN LANGUAGE					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.1.11	2	1: 1	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES Acquiring basic language skills in English LEARNING OUTCOMES 1. Ability of speak 2. Ability of writing 3. Ability of reading 4. Ability of listening 5. Ability of listening 6. Ability of listening

ANATOMY II

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.01	6	1: 2	Compulsory	Lectures: 45 Seminars: 7 Supervised self-learning: 13 Laboratory and desk-based work: 60 Non-clinical animal work: 25 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES Domestic mammals Uro-genital system (urinary tract, male and female reproductive system), endocrine system (endocrine glands), blood circulatory system (heart, arterial and venous circulation, portal and fetal circulation), lymphatic system (lymph vessels, lymph nodes and spleen), nervous system (brain, spinal cord, ganglia and peripheral nerves), Sense (leather and the five senses) and poultry organs and anatomical features are examined comparatively. LEARNING OUTCOMES 1. Live body, organs, systems learn the anatomical concepts. 2. Domestic mammals uro-genital tract of mammals with the basic features of the fixed anatomical similarities and differences between animal species learning. 3. Domestic mammals features of the endocrine system of mammals with fixed anatomical similarities and differences between animal species learning. 4. Domestic mammals basic features of the circulatory system of mammals with fixed anatomical similarities and differences between animal species learning. 5. Domestic mammals with the basic features of the lymph system fixed anatomical similarities and differences between animal species learning.

					6. Domestic mammals basic properties of the nervous system of mammals with fixed anatomical similarities and differences between animal species learning. 7. Basic features of sensory organs of mammals with fixed anatomical similarities and differences between animal species learning. 8. The general anatomy of poultry systems and organ with fixed anatomical similarities and differences between animal species learning.
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HISTOLOGY II					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.02	4	1: 2	Compulsory	Lectures: 30 Seminars: 8 Supervised self-learning: 22 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES This course is designed to inform about the organs fine structurally and microscopically, and to learn the use of microscopy and the define and separation of organs microscopically. In this course, the nervous system, circulatory system, haemopoietic organs, introduction of digestive system, oral cavity, oesophagus, stomach, intestines, salivary glands, pancreas, liver, respiratory system, urinary system, female reproductive system, male reproductive system, endocrine system, integument and sense system are explained theoretically and practically. LEARNING OUTCOMES 1. Learns the technique of histological preparation.

					- Learn to detect which tissue is the tissue in histological preparations. - Learns nervous system, endocrine system and integumentary system in mammals. - Learns lymphoid system, circulatory system and respiratory system in mammals. - Learns the digestive system and urinary system in mammals. - Learns the male and female genital system and sensory system in mammals. - Learns the general histological differences in poultry and domestic mammals.
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GENETICS					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.03	3	1: 2	Compulsory	Lectures: 30 Seminars: 8 Supervised self-learning: 14 Laboratory and desk-based work: 15 Non-clinical animal work: 15 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 8	OBJECTIVES In this course, basic genetic are given theoretically. LEARNING OUTCOMES - Learn the basic concepts of genetics. - Learn the causes of the differences between live and breed on conservation and animal breeding can benefit from this information. - Learn the role of genes in inheritance of genes and gene interactions learn about different behaviours are. - Structure and function of chromosomes and genes get information about the functions of genes to learn.

					5. Know the contribution of genetics in the development of diseases and genetic defects in the ethology of the disease might not be ignored. 6. Breed determination tests in the areas of parental genetic structure learn how they can benefit. 7. Animal breeding and the use of molecular techniques in the treatment of diseases learn about the. 8. Information about DNA, RNA structures. 9. Learn protein metabolism. 10. Molecular markers, MAS, VAS, etc. will obtain information on issues.
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ANIMAL BEHAVIOR AND ANIMAL WEALTH					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.04	2	1: 2	Compulsory	Lectures: 15 Seminars: 4 Supervised self-learning: 10 Laboratory and desk-based work: 15 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for	OBJECTIVES It is the transfer of basic information about animal welfare and behavior to students. LEARNING OUTCOMES 1. Knows the definition and history of animal welfare. 2. Understands the criteria for evaluating animal welfare during various processes. 3. Teaching the importance of animal welfare in transport and housing. 4. To inform about the responsibilities and authorities of veterinarians.

				midterm/final exams, quiz): 6	5. Knowledge of Behavioral Science. 6. Gains knowledge about body temperature and adaptive behavior to the environment. 7. Gains knowledge about sleep behavior in animals. 8. Gains knowledge about the factors that cause stress in animals.
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MEDICAL BOTANIC					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.05	1	1: 2	Compulsory	Lectures: 15 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 15 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES In this course, it is aimed to give information to the students about the plants used in veterinary treatment. LEARNING OUTCOMES 1. Know medicinal plants used in veterinary medicine. 2. Learn the active ingredients, main effects, use and doses of medicinal plants. 3. Know the undesirable effects, advantages and weaknesses of herbal active substances. 4. Know herbal dosage forms and preparation methods.

BIOSTATISTIC					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.06	2	1: 2	Compulsory	Lectures: 15 Seminars: 2 Supervised self-learning: 2 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 1	OBJECTIVES In the course of Biostatistics and Research Techniques, it is aimed to give students the ability to think analytically, to choose statistical methods correctly and to interpret the results correctly. LEARNING OUTCOMES 1. To have knowledge about the concept of statistics. 2. To have knowledge about the place of statistics in the field of health. 3. Knowledge of basic concepts and descriptive statistics. 4. To establish hypotheses for the problem and to determine the appropriate statistical method for these, hypotheses. 5. Experimental observation and data collection for established hypotheses. 6. To have knowledge about statistical comparison methods within the framework of certain concepts and theories. 7. To statistically interpret the results obtained regarding the applied methods.

OCCUPATIONAL ENGLISH					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.07	1	1: 2	Compulsory	Lectures: 0 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES The aim of this course is to familiarize students with the English terms they will encounter in veterinary medicine. LEARNING OUTCOMES 1. Students taking this course will learn professional English terms. 2. After taking this course, students will be able to translate English books and English articles. 3. Students taking this course can prepare an English presentation. 4. Students taking this course can understand English articles. 5. Students taking this course can understand English books. 6. Students taking this course can receive information from the university in a foreign country.

SCIENTIFIC RESEARCH AND PRESENTATION TECHNIQUES					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.08	1	1: 2	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 5 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES It is a course that aims to examine the methods and techniques used to gain knowledge about the field of education in veterinary medicine, with explanations and analyses from a particular perspective. LEARNING OUTCOMES 1. Learn scientific concepts, aims and characteristics of science. 2. Learn how to think scientifically, set goals, and design scientific research. 3. Gains the skills to conduct research, collect data, analyze data, and report results.

TURKISH

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.09	2	1: 2	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES The course is based on the study of Turkish grammar, the relationship between language and culture, sounds and sound harmony, nouns, adjectives etc. grammar rules, spelling and spelling mistakes, punctuation marks, abbreviations, the study of word structure and the dictionary, types of literary writing, writing of book reviews, travel writing and creative writing. Turkish Lesson's basic aims have given informations about the status of Turkish history and make to work on Turkish written texts. LEARNING OUTCOMES 1. Ability to communicate effectively in written/spoken Turkish. 2. To cause students to gain skills of the documental and oral expressions; proper usage of fundamental syntax; self-confidence and creativity for the documental and oral expressions. 3. Comprehend the necessity of life-long learning and gain the ability of self-learning. 4. Ability to adapt to changing conditions. 5. Ability to possess professional and ethical responsibilities, taking charge and fulfilling the requirements. 6. Ability to create algorithmic solutions to inspect, improve and enhance existing systems by means of analytical approaches. 7. Ability to function as a member of a team. 8. Ability to apply basic sciences and Turkish Language in the field of computer.

ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.10	2	1: 2	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES Teaching the late-period developments of the Ottoman Empire, introducing the preparation period of the National Struggle, introducing Mustafa Kemal Atatürk, teaching the establishment of the Republic of Turkey, teaching the domestic and foreign political developments of the Republic of Turkey, fostering national consciousness, and increasing interest in modern Turkish history. LEARNING OUTCOMES 1. It will reveal the value and importance of the Lausanne Peace Treaty for the Republic of Türkiye. 2. It will explain the revolutionary movements carried out in the early years of the Republic. It will list the aims of these movements. 3. Express the purpose of Atatürk's principles and explain foreign policy developments between 1923-1938. 4. It will reveal the value and importance of the Lausanne Peace Treaty for the Republic of Türkiye. 5. Will be able to explain the events of the İsmet İnönü Period. 6. Will be able to compare the Democrat Party Period with the previous period. 7. It will express the revolutions that took place in Turkey after 1960.

CAREER PLANNING

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
1.2.12	2	1: 2	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 20 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES The aim of the Career Planning course is to guide students so that they can determine their careers in accordance with their own intelligence, personality, knowledge, skills, talents and competencies. Within the scope of the course; awareness about these concepts will be created, Career Centers and activities where students can receive support about their careers throughout their university life will be introduced, the use of Talent Gate and how to benefit from it will be shown and the opportunity to meet with working life in different sectors will be provided. LEARNING OUTCOMES 1. In this course, they will get an idea of what to do and will be introduced to the Career Center and its activities. 2. Increasing self-awareness. 3. Defines the concepts of knowledge, skill, ability and competence. 4. Learn the difference between fine and technical skills. 5. Recognize the concept of career. 6. Information about activities outside of class that can contribute to their careers. 7. Get an idea of what employees in various public institutions do. 8. Get an idea of what employees in various private sector companies do. 9. Get an idea of what people working in the academy do. 10. Learn what a good resume includes.

PHYSIOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.1.01	8	2: 1	Compulsory	Lectures: 60 Seminars: 10 Supervised self-learning: 30 Laboratory and desk-based work: 75 Non-clinical animal work: 15 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES In veterinary education courses to students both theoretical and clinical physiology pet will be the basis of knowledge and skills. LEARNING OUTCOMES 1. Basic concepts in physiology and cell physiology to learn. 2. Learn the comparative physiology of domestic animals blood. 3. Comparative digestive physiology of domestic animals acquires information about. 4. Pets in the cardiovascular system acquires information about. 5. Have knowledge about to become the environmental movement. 6. Have knowledge about to become a body fluids.

BIOCHEMISTRY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.1.02	8	2: 1	Compulsory	Lectures: 60 Seminars: 15 Supervised self-learning: 35 Laboratory and desk-based work: 75 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 15	OBJECTIVES In this course, molecular and biological reaction and functions of domestic animal organism are given theoretically and practically. LEARNING OUTCOMES 1. Student has knowledge about biophysical chemistry. 2. Student has knowledge about the functions of mineral substances in metabolism. 3. Student has knowledge about the functions of coenzymes and vitamins in metabolism. 4. Student has knowledge about the functions of hormones in metabolism. 5. Student knows how to prepare solutions. 6. Student comments carbohydrates, lipids, proteins and nucleic acid metabolism. 7. Student practises carbohydrate, lipid and protein tests. 8. Student practises bile tests. 9. Student practises urine analysis and milk tests. 10. Interprets enzyme tests clinically.

EMBRYOLOGY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.1.03	2	2: 1	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 15 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES This course is designed to inform about the embryogenic development of mammals and birds. In this course, the description of embryology, development of female sexual cells, development of male sexual cells, fertilization, divisions and egg types, development following zygote in amphioxus, development following zygote in birds, development following zygote in mammals, introduction of placenta, placenta types, twins and multiple gestations are explained theoretically. LEARNING OUTCOMES 1. Mammals and birds will have prior knowledge about the reproductive system. 2. Gametogenesis learn. 3. Fertilization and learns to divisions according to animal species. 4. Identify the types of placental mammals and domestic animals. 5. Implantation learns. 6. Learns umbilical cord and extraembryonic vesicles. 7. Germ leaves define. 8. Germ of the system learns from leaves. 9. Identify the causes of congenital malformations. 10. Learns the embryonic stages and organogenesis.

TOPOGRAPHIC ANATOMY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.1.04	2	2: 1	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 0 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES The objective of this course is to teach morphological features of domestic mammals comparatively; to prepare a basis for lessons to be taught in the following years and in profession the basic concepts of regional anatomy the domestic animal species in veterinary anatomy. LEARNING OUTCOMES 1. Live in these areas of the body and the bodies divided into regions and learn about important anatomical structures. 2. Live in body regions where special operations and applications in comparison to learn. 3. A special place in the living body and the practice of anaesthesia as compared to regions to learn. 4. Domestic mammals learn in detail the differences between the regional. 5. Told to show. 6. To be able to say what is shown. 7. To be able to tell me what's asked.

ZOOTECHNICS

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.1.05	8	2: 1	Compulsory	Lectures: 60 Seminars: 15 Supervised self-learning: 40 Laboratory and desk-based work: 60 Non-clinical animal work: 10 Clinical animal work: 15 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES Introduction to animal breeding, husbandry methods, breeds and nursing methods. LEARNING OUTCOMES 1. Students who successfully complete this program; Will be able to define the basic concepts related to animal science. 2. Will be able to recognize the breeds of various types of farm animals and understand the principles of care and breeding. 3. Will be able to have knowledge in the fields of genetics and biotechnology in animal breeding. 4. Will be able to understand breeding methods to increase productivity in animal breeding. 5. Based on undergraduate level qualifications, they will be able to have advanced knowledge of Animal Science at the level of expertise. 6. By learning basic statistical concepts, students will be able to apply statistical analyses related to zootechnics. 7. Will be able to examine the events and facts related to the field of animal science, interpret the results and convey them in written and oral form.

PARASITOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.2.01	7	2: 2	Compulsory	Lectures: 75 Seminars: 7 Supervised self-learning: 13 Laboratory and desk-based work: 75 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES In this course, students are informed about the classification of parasites found in pets and humans, their morphological, and biological characteristics, epidemiology, diagnosis, and methods of struggle and are taught through applications. LEARNING OUTCOMES 1. Learns the ways of entry and exit of parasites into the organism. 2. Learns the types of parasitism according to the types of host-parasite relations. 3. Protozoon knows the way helminths and arthropods develop, multiply and transmit. 4. Learns parasitic zoonosis. 5. Learns methods of protection from parasitic diseases. 6. Knows the biological cycle of arthropods parasitized in pets. 7. Knows the diseases transplanted by arthropods, the form of transplantation and prevention methods. 8. Knows the biological periods of the adult and larval periods of Helminth and protozoans in the mansions. 9. Learns about the economic losses caused by diseases caused by Helminth and protozoans. 10. Learns and applies the diagnostic methods of helminths and protozoans in living and dead animals.

MICROBIOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.2.02	6	2: 2	Compulsory	Lectures: 60 Seminars: 10 Supervised self-learning: 15 Laboratory and desk-based work: 60 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES Describing the general characteristics of bacteria and giving the ethology, epidemiology, pathogenesis, laboratory diagnosis and protection control methods of bacteriological infections. LEARNING OUTCOMES 1. Learns laboratory structure, operation and use of light microscope. 2. Understand the size, anatomical structure and staining methods of microorganisms. 3. Learn the transfer of genetic material and the concept of variation in bacteria. 4. Understand the mechanisms of action of antibiotics and disinfectants. 5. Learn the antigenic structure of bacteria and important biochemical tests.

VIROLOGY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.2.03	4	2: 2	Compulsory	Lectures: 30 Seminars: 10 Supervised self-learning: 20 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES Teaching the general structure, mechanism, life cycle, ethology, epidemiology and pathogenesis of viruses that cause viral diseases, and providing information about viral infections that are important in veterinary medicine. LEARNING OUTCOMES 1. Acquire basic information about the structure, general characteristics, classification and reproduction of viruses. 2. Acquire basic information about the pathogenesis of viruses and the production of viruses by in vivo and in vitro methods. 3. Obtain information about the ethology, transmission, symptoms and diagnosis of viral and potential viral infections seen in Turkey. 4. Learn about protection and control strategies against viral diseases.

ANIMAL NUTRITION AND NUTRITIONAL DISEASES

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.2.04	6	2: 2	Compulsory	Lectures: 60 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 60 Non-clinical animal work: 10 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES To provide training to undergraduate students of the faculty of veterinary medicine on feeds, feed hygiene and feed processing technologies, feed ingredients used in animal nutrition, nutrient needs of ruminants, poultry, horses, laboratory animals and cats and dogs, their metabolisms, feeding habits and diseases that may occur due to nutrition. LEARNING OUTCOMES 1. Knows feed raw materials and their energy-nutrient content. Gains knowledge about the digestion of feeds according to animal species, as well as their feeding amounts and forms. 2. Knows the effect of feed on the efficiency and performance of animals. Has knowledge about the importance of feed hygiene that may adversely affect animal health and the issues to be considered. 3. Understands the technological processes to be applied for the elimination of antinutritional factors in toxic plants with consumption, digestion and storage of feeds. 4. Knows the physical and chemical analysis methods used to determine the quality and nutrient content of feeds. Knows the issues to be considered in feed hygiene and storage in the farm. 5. Learn about nutrients and metabolism.

					6. Gains knowledge about nutrition of ruminants (calves, heifers, dairy-fattening cattle, sheep-goat) and nutritional diseases. 7. Gains knowledge about poultry nutrition and nutritional diseases. 8. Gains knowledge about horse nutrition and nutritional diseases. 9. Learn about the nutrition of pigs and laboratory animals. 10. Learns and applies ration programmes in ration / diet preparation for domestic animals.
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CLINICAL SKILLS LABORATORY COURSE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
2.2.05	2	2: 2	Compulsory	Lectures: 0 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 20 Non-clinical animal work: 15 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES The aim of this course is to familiarize students with basic clinical procedures and the tools and equipment used in the clinic before starting clinical practice. It is aimed at having students learn these applications on their own and reinforce them by practicing. LEARNING OUTCOMES 1. Learn basic laboratory techniques. 2. Learn to approach, hold and tie animals. 3. They get acquainted with the skills they are expected to do in clinics at an earlier stage. 4. Practices more for clinical services. 5. Increased clinical experience by using fewer live animal subjects (as per the 3R rule). 6. Self-confidence by increasing application knowledge and experience. 7. The student appears more experienced in front of the patient-owner, thus increasing the credibility and prestige of the institution. 8. Standardization in practice education is achieved by ensuring that each student performs each clinical practice equally. 9. By simulating examination, diagnosis and treatment services one-to-one, it increases the level of training and experience and ensures that fewer complications occur in real veterinary clinics. 10. Knows and applies the working principles and biosafety rules to be followed in clinical and laboratory environment, possible biological and chemical hazards and precautions to be taken.

CLINIC I

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.1.01	4	3: 1	Compulsory	Lectures: 0 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 85 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES In this course, it is aimed to train students to gain experience and skills in the field of diseases and clinical sciences. LEARNING OUTCOMES 1. Knows the knowledge, skills and gains that will be gained at the end of the course, knows and applies the working principles and biosafety rules to be followed in the clinical and laboratory environment, and possible biological and chemical hazards and precautions to be taken in the application areas. Knows the content, achievements, processing and evaluation methods of the course and course resources. 2. General examination methods: Inspection, palpation, percussion, auscultation, Knows and applies examination procedures according to animal species and diseases. Pre-examination preparation, how to approach the animal and apply the necessary precautions. Knows how to approach and restrain animals during clinical examination. 3. General examination methods: Measuring body temperature, Examination of the lymph system, Knows and applies the approach to the patient according to systemic diseases. Plans the examination

					systematic, takes anamnesis, makes the general examination. Knows the methods and application of depositing animals. It can measure the heart, respiration and pulse values of animals. 4. Knows and applies blood collection and intravenous catheter placement in animals, examination procedures in digestive system diseases. Can use inspection equipment. Knows the parenteral injection sites and administration of animals, can administer intravenous solutions intravenously. 5. Knows and applies injection methods in animals, examination procedures in respiratory system diseases. It makes a complete examination of the genital system in cows. Knows the rules of asepsis and antisepsis. 6. Auxiliary Examination Methods: Haematological examinations, knows and applies examination procedures in musculoskeletal system diseases. Performs a complete examination of the genital system in small ruminants. Knows the preparation of the operator for the operation, the use of sterile gowns and gloves. 7. Auxiliary Examination Methods: Knows and applies biochemical tests, examination procedures in eye diseases. Can take anamnesis, evaluate inspection and palpation findings. Knows anal sac examination and knows the drugs used. 8. Auxiliary Examination Methods: Knows and applies the examination procedures in
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					parasitic examinations, ear diseases. Knows and applies x-ray shooting positions. 9. Examination of the skin: hair cover, skin colour, moisture, odor, elasticity; Recognizes the lesions of the skin, operating room, operating room equipment. Knows how to separate the sets and perform the sterilization process in the sterilization unit. 10. Skin examination: scrapes, cytology, wood's lamp, diff quik staining, aspiration biopsy, recognizes and uses imaging (radiology, endoscopy, ultrasonography) devices. Knows the pre-operative preparation of sick animals.
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PROPAEDEUTIC

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.1.02	3	3: 1	Compulsory	Lectures: 45 Seminars: 10 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 10 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES In this course, it is aimed for students to learn general and special examination methods of farm animals, horses and pet animals (cats, dogs), basic procedures used in the clinic and basic diagnostic methods before starting clinical practice. LEARNING OUTCOMES 1. Students learn basic biosecurity practices. In this course, the student learns the examination of the circulatory system: syncope = fainting, shock and shock types (anaphylactic, hypovolemic, hemorrhagic), pulse, pulse frequency according to animal species, pulse vessels, arteries and veins. 2. Learns about wildlife practices in the world, international measures taken in order to maintain the existence of wildlife, and possible threats to wildlife. Learns the legal regulations for the protection of wild animals in Turkey, the preparation of these regulations and the public institutions and organizations responsible for the protection, control, monitoring, treatment and production of wildlife. 3. Learns the classification and nomenclature of wild animals, the presence of wildlife in our country, terrestrial and marine mammals and migratory/predatory bird species, the numbers and regional distributions of these species. Learns the methods of restraint,

					capture, transportation, and preliminary clinical examination in birds of prey and terrestrial mammals wild animals. Learns clinical examination techniques in birds of prey and terrestrial mammals, evaluation of vital signs, blood collection, intravenous, subcutaneous and intramuscular injection sites. 4. In this course, the student learns special examination methods such as ear examination (auscultation with ear or stethoscope), puncture, biopsy (incisional, excisional, punc biopsy, fine needle biopsy) and probe application (nasal meri probe, gastric probe, urinary probe, etc.). The student learns how to examine the condition of the skin hair cover, skin elasticity, skin moisture, skin color, skin odor, skin temperature, skin swelling, skin lesions and skin inflammations. In this course, the student learns how to take anamnesis from the animal owner, anamnesis questions, how to obtain the patient's history, past information and how to identify the animal's description. The student also learns to observe environmental factors that may be associated with the disease, the animal's posture, and to observe the animal and the herd in detail. The student learns concepts such as disease, symptom (clinical sign), diagnosis, pathogenesis, treatment, prevention and prognosis. In this course, the student learns special examination methods such as visual examination (inspection), olfactory examination, measurement
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					examination (determination of live weight, measurement of screw height, etc.), palpation examination, percussion examination. Also learns the devices, instruments and equipment (light source, microscope, magnifying glass, ophthalmoscope, endoscope, bronchoscope, ultrasonography) used in these special examination methods and their place in clinical use. 5. Takes biosecurity measures in obstetrics and gynecology clinical practice. Knows the differences in the diagnosis-treatment approach in pet animals or economic animals within the scope of Obstetrics and Gynecology. Communicate with animal owners to take anamnesis. Communicate with colleagues for consultation. Recognize specific clinical symptoms at different periods in the physiology of the sexual cycle of dogs and cats. Know the necessary procedures in preparation for a gynecological examination of a dog and cat. Knows the systematics to be followed in the examination of the genital organs of dogs and cats. Can take a detailed anamnesis within the scope of a gynecological examination of a dog and cat. Knows the physiological or pathological symptoms with the inspection of the genital organs in the clinical examination of dogs and cats. Knows the technique of vaginal examination in the dog and the specific findings of the vagina in the sexual cycle. Knows the technique of vaginal cytologic sampling,
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					preparation, practical staining methods, and cell types. 6. Learns the basic working principle of ultrasound. Learns the importance and intended use of ultrasonography in genital organ examination. Learns the preparation of the patient and physician before ultrasonography. Learns ultrasonographic examination of female genital organs. Learns the use of ultrasonography in pregnancy diagnosis. Learns fetometry techniques in ultrasonography. Learns the indications for sterilization. Learns the ideal time for sterilization. Learns the conditions sought in cats and dogs to be sterilized. Discuss the indications for sterilization with animal owners with a critical approach. Recognize the specific clinical symptoms in different periods of the sexual cycle physiology of cows. Know the clinical and technological tools used in estrus detection. Knows the factors affecting the clinical symptoms of estrus in cows. Recognizes the physiological or pathological symptoms that can be seen by inspection of the genital organs in the clinical examination of cows. Learns the aims of rectal examination in cows. Learns the preparation for the rectal examination, the necessary equipment and the points to be considered in the examination. Learns the systematics of examination of genital organs with rectal ultrasonography. Learns the diagnosis of pregnancy by rectal examination and ultrasonography.
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					7. In this course, the student learns lymphatic system examination, lymph nodes, localization of palpable lymph nodes according to animal species, changes that can be seen in lymph nodes in healthy and sick animals. 8. In this course, the student learns the examination of visible mucous membranes in animals, normal mucosal color, mucosal color changes in disease states (pallor, redness, jaundice, cyanosis) and primary and secondary lesions such as bleeding, petechiae, vibises, ecchymosis. In this course, the student learns the special examination methods used in the diagnosis of skin diseases (superficial and deep skin scraping, trichography, using Wood's lamp, adhesive tape technique, using flea comb). 9. In this course, the student learns how to measure body temperature in animals, the concept of fever and types of fever (septic fever, aseptic fever), the differences between hyperthermia and fever, hypothermia, collapse and capillary filling time. 10. In this course, the student learns the examination of the circulatory system; examination of the heart, auscultation of the heart, auscultation areas, normal heart sounds, concepts such as tachycardia, bradycardia, murmur, blood sampling and intravenous vessels. The student learns the methods used in the examination of the circulatory system (electrocardiography, echocardiography) and blood examinations (complete blood count, biochemical
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					analysis, coagulation analysis, etc.). Students learn reference values and interpretation of these parameters according to animal species. In this course, the student learns how blood transfusion is performed, blood groups seen in animals, blood group matching tests, donor selection, how and by which methods bone marrow and spleen will be examined. In this course, the student learns the examination of the respiratory system; control of respiration, respiratory types (costal, abdominal, costo-abdominal), respiratory distress and types (inspiratory dyspnea, expiratory dyspnea). Also learns the examination of the nasal cavity by inspection and the instruments and equipment used (rhinoscopy) and their indications.
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PHYSIOPATOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.1.03	2	3: 1	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 15 Laboratory and desk-based work: 15 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES It aims to provide the ability to understand how impairments in organ and system functions occur in disease conditions based on fundamental physiology knowledge and to comprehend the cause-and-effect relationship. LEARNING OUTCOMES 1. It can define cell and system dysfunctions. 2. It can explain the pathophysiological mechanisms occurring in cell, organ, and system functions. 3. It can identify the pathophysiology of problems in encountered clinical conditions.

AVIAN DISEASE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.1.04	5	3: 1	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 60 Non-clinical animal work: 0 Clinical animal work: 15 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES To provide information about ethology, symptoms, diagnosis, treatment of poultry diseases and control and prevention of poultry diseases. LEARNING OUTCOMES 1. She/he knows the poultry immune system. 2. She/he obtains information about the ethology, pathogenesis and diagnosis of infectious poultry diseases. 3. She/he understands the ways of contamination in poultry diseases. 4. She/he learns the basic principles of prevention of poultry diseases. 5. She/he knows and performs appropriate laboratory diagnostic methods for the diagnosis of poultry animal infectious diseases. 6. She/he learns and applies laboratory diagnostics of bacterial, viral and fungal infections in poultry (cultural examination, molecular analysis and serological tests). 7. She/he learns the anatomy of poultry and can make necropsy.

FISH DISEASES					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.1.05	5	3: 1	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 60 Non-clinical animal work: 0 Clinical animal work: 15 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES The aim of the course is to enable the students to have knowledge about parasitic, bacterial, viral, fungal and neoplastic diseases, nutritional and metabolic disorders and toxications of fish, ethology, epizootiology, pathogenesis, laboratory diagnosis and control programs. LEARNING OUTCOMES 1. To learn systematic examination methods of aquatic animals. 2. To learn the selection, storage and sampling principles of necropsy material from aquatic animals. 3. To have knowledge about diagnosis, treatment, and prophylaxis of infectious and non-infectious diseases in aquatic animals. 4. To learn anaesthesia, drug preparation, and vaccine application methods in aquatic animals. 5. To gain knowledge of the legislation and sanctions of notified diseases in aquatic animals and learn zoonotic diseases caused by aquatic animals. 6. To learn the rules of hygiene and sanitation necessary to prevent the spread of aquatic animal diseases.

LABORATORY ANIMALS DISEASES

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.1.06	5	3: 1	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 60 Non-clinical animal work: 0 Clinical animal work: 15 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES It gives information about the health examination and importance of experimental animals used in experimental research, diagnostic methods of infectious diseases (bacterial, viral and parasitic) of experimental animals and precautions to be taken against zoonoses. LEARNING OUTCOMES 1. Knows the knowledge, skills and acquisitions that will be gained at the end of the course, working principles in the laboratory and biosafety rules and practices that must be followed during facility visits. Knows and applies the possible biological and chemical hazards and precautions to be taken in their fields. 2. Have basic and sufficient knowledge in the field of Laboratory Animal Diseases in Veterinary Medicine, can use the learned information effectively. 3. Gain sufficient clinical and laboratory knowledge and skills for the correct diagnosis, evaluate the anamnesis and macroscopic data obtained. 4. They gain proficiency in laboratory animal diseases when necessary, with the support of other departments, to distinguish the causes, factors, pathogenesis, macroscopic and microscopic findings and distinctions caused by local or systemic Bacterial, Viral,

					Protozoan, Parasitic, Fungal and Other causes. 5. In particular, the information learned in undergraduate and graduate courses, individual and Scientific Experimental studies, field studies, etc. They gain the ability to use it during the laboratory, to take appropriate organ samples by necropsy on Laboratory Animal material, to process them, to gain knowledge and skills about which samples to send to sub-disciplines, and to diagnose and differential diagnose diseases. 6. Knows drug delivery and injection techniques. Applies injection and drug administration methods. 7. Have basic and sufficient knowledge in the field of Laboratory Animal Diseases in Veterinary Medicine, can use the learned information effectively. 8. Knows zoonotic diseases and takes necessary biosafety measures. 9. Knows, diagnoses and treats common diseases in laboratory animals. 10. Knows behavioural disorders and their causes, makes new arrangements in the animal-specific macro or microenvironment.
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BEE DISEASES					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.1.07	4	3: 1	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 15 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 15 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES The objective of this course is to teach the student morphological and biological features of honeybee, breeding of honey bee, diseases of honey bee and diagnosis of the factors, therapy and protection of honey bee. LEARNING OUTCOMES 1. Upon successful completion of this course, the students will be able to; diagnose bee diseases and suggest control programs. 2. Apply routine procedures like examining a beehive, picking up anamnesis, sampling, and properly sending it to the laboratory. 3. Bee diseases can be cured. 4. Honey bee diseases in Turkey will be recognized.

CLINIC II

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.01	4	3: 2	Compulsory	Lectures: 0 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 85 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES This course aims to educate students to gain experience and skills in the field of diseases and clinical sciences. LEARNING OUTCOMES 1. Knows the knowledge, skills and achievements that will be gained at the end of the course, knows and applies the principles of working in clinical and laboratory environments, the biosafety rules that must be followed, the possible biological and chemical hazards in the application areas and the precautions to be taken. 2. Uses appropriate techniques and tools to restrain animals and takes necessary precautions. Plans the examination systematic, takes anamnesis, and performs the general examination. 3. Knows the application of asepsis and antisepsis rules and sterilization methods. 4. Performs bandage application and knows the materials used in bandage application. 5. Knows the clinical evaluation, x-ray interpretation and treatment of diaphragmatic hernia cases. 6. Makes and evaluates vital measurements such as body temperature, pulse and respiratory rate.

					7. Performs a complete clinical examination. Knows the positions and application of x-rays in orthopaedic problems. Examines and recognizes stallion reproductive organs morphologically and functionally. 8. Knows the rules of taking samples from animals and sending them to the laboratory. Perform pre-operative patient follow-up and monitoring. Examines and recognizes morphological and functional reproductive organs of cats and dogs. 9. Properly applies biosafety principles, including sterilization of equipment and disinfection of clothing. Knows the otoscopic examination of the external ear canal and the materials used during the examination. Examines and recognizes the reproductive organs of sheep and goats morphologically and functionally. 10. Takes necessary precautions, including biosecurity, in order to control communicable and epidemic diseases. Knows middle ear examination, x-ray positions and treatment of diseases. Examines and recognizes the reproductive organs of rams and goats morphologically and functionally.
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PROPEDEUTIC II

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.02	3	3: 2	Compulsory	Lectures: 45 Seminars: 10 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 85 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES In this course, it is aimed for students to learn general and special examination methods of farm animals, horses and pet animals (cats, dogs), basic procedures used in the clinic and basic diagnostic methods before starting clinical practice. LEARNING OUTCOMES 1. Students learn basic biosecurity practices. In this course, the student will examine the circulatory system; Learns syncope = fainting, shock and shock types (anaphylactic, hypovolemic, haemorrhagic), taking a pulse, pulse frequency according to animal species, examining the vessels from which the pulse is taken, arteries and veins. 2. In this course, the student will learn about special examination methods such as aural examination (auscultation with the ear or a stethoscope), puncture, biopsy (incisional, excisional, punc biopsy, fine needle biopsy) and catheterization (nasal catheter, stomach catheter, urinary catheter, etc.) learns. 3. In this course, the student learns how to examine the condition of the hair cover of the skin, elasticity of the skin, moisture of the skin, colour of the skin, odor of the skin, temperature of the skin, swellings on the skin, lesions on the skin and skin inflammations. 4. He/she learns which tools and equipment to use. In this course, the student learns how to

					take anamnesis from the animal owner, anamnesis questions, how to obtain the patient's history and past information, and how to describe the animal's description.
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PHARMACOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.03	6	3: 2	Compulsory	Lectures: 60 Seminars: 6 Supervised self-learning: 20 Laboratory and desk-based work: 60 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 4	OBJECTIVES In this course, students central nervous system (CNS) pharmacology, autonomic nervous system (ANS) pharmacology, cardiovascular system, pharmacology, blood and blood producing organs affecting drugs, local hormones, endocrine pharmacology, fluid-electrolyte and acid-base balance, pharmacology, pharmacology respiratory system, digestive system, pharmacology, nutritional pharmacology, metabolic drugs, drugs acting on the immune system, pharmaceutical biotechnology and drug residues in food will be studied. LEARNING OUTCOMES 1. Learns drugs used in nervous (central and autonomous), cardiovascular, digestive, respiratory, hormonal, excretory and immune system diseases. 2. Knows the chemical, pharmacokinetic and pharmacodynamic properties, side / harmful effects and should / should not be used of these drugs. 3. Selects and prescribes the most appropriate drugs or combinations of drugs for the treatment of nervous (central and autonomous), cardiovascular, digestive,

					respiratory, hormonal, excretory and immune system diseases. 4. Knows the drugs used in fluid-electrolyte and acid-base balance disorders. 5. Applies the most appropriate treatment option in fluid-electrolyte and acid-base balance disorders. 6. Alternatively, she/he knows the general properties, uses and advantages / disadvantages of herbal medicines. 7. Knows the reasons of drug residues, waiting time before cutting, dangerous drugs to use, prohibited substances, effects of drug residues in foods. 8. Examine foods in terms of residues.
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GENERAL PATHOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.04	4	3: 2	Compulsory	Lectures: 45 Seminars: 5 Supervised self-learning: 5 Laboratory and desk-based work: 45 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES Basic information about the etiopathogenesis and morphopathogenesis of the diseases b. Mechanisms of the diseases c. Basic pathology knowledge. LEARNING OUTCOMES 1. To be able to comprehend Etiology (knowledges of diseases, causes of diseases, psychical, chemical, toxic, nutritional, infectious, immunological). 2. To be able to have knowledge of lesion. 3. To be able to identify and classify inflammation. 4. To be able to comprehend degenerations. 5. To be able to grasp regeneration, organisation, transplantation. 6. To be able to name disorders of metabolism.

IMMUNOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.05	3	3: 2	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 15 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES To teach basic immunological concepts such as types of immunity (innate and adoptive, cellular and humoral immunity), antigens, immune system cells, tissues and organs. LEARNING OUTCOMES 1. She/he knows the basic structure of the immune system, the place and importance of immune response. 2. She/he knows the tissues, cells and organs of the immune system and their functions. 3. She/he knows the basic functions of humoral and cellular immunity and their role in body defense. 4. She/he knows the basis of antigen-antibody reactions. She/he can obtain basic information about the serological diagnosis of diseases. 5. She/he can evaluate the immunological reactions developed in various disease cases in domestic animals and the results of these reactions. 6. She/he can learn the properties, types, mechanisms of action of the vaccines and vaccination methods 7. She/he can produce solutions to individual and herd health problems of animal husbandry in our country.

RADIODIAGNOSTICS					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.06	2	3: 2	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 5 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES It is aimed to teach the contribution of imaging and other diagnostic methods to diagnosis and the use of basic imaging equipment. It provides basic information about Veterinary Radiology and the transfer of scientific, theoretical and applied knowledge in the field of special radiology techniques and radiodiagnostics. LEARNING OUTCOMES 1. Students taking this course learn the contribution of imaging and other diagnostic methods to diagnosis and the use of basic imaging equipment. 2. They learn basic information about Veterinary Radiology, special radiology techniques and scientific, theoretical and applied knowledge in the field of radiodiagnostics.

ANIMAL HUSBANDRY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.07	1	3: 2	Compulsory	Lectures: 15 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 15 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES To help students understand the importance of improving the genetic level of a population in terms of the trait or traits emphasized in livestock and the methods to achieve this. LEARNING OUTCOMES 1. Learns the basic concepts used in animal breeding. 2. Learns selection methods. 3. Learns mating (crossbreeding) methods. 4. Learns the terms heritability, repeatability, and genetic progress. 5. Calculates breeding value. 6. Learns the statistical elimination of environmental factors.

LIVESTOCK ECONOMICS					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
3.2.08	2	3: 2	Compulsory	Lectures: 30 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 5 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES The aims of the course are; -To understand managerial functions and make use of accepted methods of livestock enterprise managements, -To analyse and appraise performance of livestock enterprises. - To understand the basic economical activities in national and enterprise scale, - Appreciate economic perspective of knowledge about livestock production and breeding. -To learn economics of herd health management. LEARNING OUTCOMES 1. To learn definition and history of economics. 2. To learn macroeconomics (Employment, Inflation, National Income). 3. To learn supply and elasticities. 4. To learn demand and elasticities. 5. To learn price mechanism and consumer equilibrium. 6. To learn the socio-economic structure of livestock production. 7. To learn production factors and planning. 8. To learn marketing and cooperation. 9. To learn rural policies of Türkiye.

CLINIC III

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.01	4	4: 1	Compulsory	Lectures: 0 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 85 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES This course aims to educate students to gain experience and skills in the field of diseases and clinical sciences. LEARNING OUTCOMES 1. Takes accurate anamnesis of single or herd animals and their environment. Understand the course content, achievements, evaluation methods, processing flow and resources of the course. Knows the aim, content and gains of the course. Knows working principles in clinics and operating room and biosafety rules to be followed. Can detect signs of oestrous in cows. 2. Safely restrains and intervenes in sick animals. He guides those who help him while doing these operations. Perform pre-examination preparation, precautions and approach to the animal. Knows healing procedures and treatment methods in open infected wounds. Can detect signs of oestrous in mares. 3. Uses appropriate techniques and tools for restraint of animals and takes necessary precautions. Perform systematic examination planning, taking anamnesis and general examination. Knows clinical findings, examination methods and treatment protocol in patients with skull

					trauma. Can detect signs of oestrous in sheep and goats. 4. Knows how to approach animals for examination Be able to use examination tool. Knows the points to be considered and treatment methods in respiratory distress due to trauma Can detect signs of oestrous in dogs. 5. Knows special examination methods in animals. Be able to use advanced diagnostic methods in domestic animals. Knows clinical evaluation of diaphragmatic hernia cases, interprets x-rays and can perform treatment. Can detect signs of oestrous in cats. 6. Makes and evaluates vital measurements such as body temperature, pulse and respiratory rate. Be able to follow up preoperative and post operative patients. Knows the vaginal cellular changes in oestrus and detects the cycle periods. 7. Performs a complete clinical examination. 8. Knows the rules of taking samples from animals and sending them to the laboratory. Knows the drugs used for premedication, doses and usage areas. Can perform female genital organ examinations with the help of speculum and rectal palpation. 9. Properly applies biosafety principles, including sterilization of equipment and disinfection of clothing. Knows types of anaesthesia, methods of application and induction of anaesthesia. Learns artificial insemination methods in cows.
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					10. Takes necessary precautions, including biosecurity, in order to control communicable and epidemic diseases. Knows the degrees of lameness and can detect cold-hot intermittent lameness. Learns artificial insemination methods in mares..
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INTERNAL DISEASES OF CAT AND DOGS

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.02	3	4: 1	Compulsory	Lectures: 45 Seminars: 10 Supervised self-learning: 15 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES The aim of this course is to gain the necessary theoretical knowledge about the internal diseases of cats and dogs, diagnostic methods, differential diagnosis, treatment and prevention of these diseases. LEARNING OUTCOMES 1. Recognizes diseases that may be present in cats and dogs clinically, uses diagnostic methods for this purpose, takes diagnostic materials when necessary and sends and/or tests them to authorized laboratories. 2. Designs and interprets an appropriate diagnostic plan after a complete differential diagnosis list is prepared. 3. Evaluates clinical and laboratory findings of diseases in cats and dogs. 4. Applies theoretical knowledge to the solution of clinical cases in the field of feline and canine internal medicine. 5. Knows the necessary methods for the treatment or prophylaxis of different diseases and practices preventive medicine. 6. Recognizes and treats medical emergencies. 7. Detects the symptoms of zoonotic diseases and takes appropriate measures. 8. Takes and applies occupational safety and biosecurity measures.

					9. Have medical and legal knowledge to always ensure animal welfare, including procedures such as euthanasia. 10. Communicates information obtained from clinical and laboratory examinations in a fluent and comprehensible manner to the patient owner and presents this information in a clear and well-organized manner when preparing clinical reports and developing protocols
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EPIDEMIOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.03	1	4: 1	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 5 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES Epidemiological studies about the transmission and spread and the control and eradication of diseases are taught. Also epidemiologically, the diseases are evaluated at the population level. LEARNING OUTCOMES 1. She/he knows the purpose of epidemiology, fields of activity and departments. 2. She/he knows disease determinants. 3. She/he learns the ways of contamination and spread of the infections. 4. She/he learns types of infection. 5. She/he knows the methods and stages of epidemiological research. 6. She/he can learn the course of diseases seen in the population and makes comment. 7. She/he comprehend the spatial and temporal distribution of diseases.

SPECIAL PATHOLOGY					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.04	8	4: 1	Compulsory	Lectures: 75 Seminars: 10 Supervised self-learning: 25 Laboratory and desk-based work: 60 Non-clinical animal work: 30 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES Pathogenesis of disease's (etiology and morphopathogenesis) and morphologic findings, diagnosis and differential diagnosis. LEARNING OUTCOMES 1. Have information about the female genital system pathology. 2. Have information about male genital system pathology. 3. Have information about Breast Disease Pathology. 4. Have information about Nervous System Diseases Pathology. 5. Have information about Cardiovascular System Pathology. 6. Have information about Pathology of Skin Diseases. 7. Have information about endocrine system pathology. 8. Have information about Ear Diseases Pathology.

TOXICOLOGY AND ENVIRONMENTAL SCIENCE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.05	4	4: 1	Compulsory	Lectures: 30 Seminars: 10 Supervised self-learning: 20 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES In this course, students in toxicology general concepts, toxicity tests, toxicity factors affecting the poison toxicokinetic of the poison effect of shape, poisoning causes, intoxications clinical diagnosis, poison the isolation and identification, poisoning treatment, metals and other inorganic substances, vegetable poisons, pesticides, mycotoxins, toxic fungi, for doping substances used, the capture of animals and humane way to kill, in poultry growth retardation and loss of productivity that leads to agents, genetic toxicology, food contamination, immunotoxicology, forensic toxicology, environmental science and environmental toxicology related information will be provided. LEARNING OUTCOMES 1. Learns toxic substances (heavy metals, plant poisons, organic substances, food and feed additives, pesticides, natural toxins, mycotoxins, etc.) physical, chemical, toxicokinetic and toxicodynamic properties. 2. Knows the causes of poisoning, diagnosis and treatment of the major antidotes used. 3. Knows in cases of poisoning how to receive and send the morbid substance sent to the laboratory under which conditions. 4. Knows the most appropriate treatment options for poisoning of animal origin. 5. Knows the substances used in doping and euthanasia. 6. Takes anamnesis (field research, getting information from the patient owner, etc.) in poisoning.

					7. Determines the morbid substances to be sent to the laboratory in case of poisoning and can send them to the laboratory in an appropriate way. 8. Demonstrate a general approach to the diagnosis of poisonings. 9. Can make the first intervention in poisoning, prepare a treatment protocol. 10. Prepare a report on poisoning. Extraction of poisons from morbid substances. To be able to make laboratory analysis of toxic substances (Chromatographic).
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FOOD HYGIENE AND CONTROL					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.06	4	4: 1	Compulsory	Lectures: 30 Seminars: 40 Supervised self-learning: 0 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES In this course, information is given about the principles of food hygiene, structural qualities of foods, microbial ecology of foods, health risks arising from animal foods, pathogenesis of foodborne infections and intoxications, principles of food preservation technologies and food safety management systems. LEARNING OUTCOMES 1. Comprehend the Biochemistry of Animal Foods: Students expects to gain understanding of the biochemical components and structures of animal foods focusing on the molecular structures and interactions of their primary and secondary components.

					2. Evaluate Food Ecology and Associated Health Risks: Examine the ecological dynamics of food systems and matrices, with a focus on identifying and mitigating health risks associated with animal food products. 3. Understand the role of the gastrointestinal System in Foodborne Pathogenesis: Details are given about the nonspecific defence mechanisms of the gastrointestinal system and the immune responses involved in foodborne infections and intoxications. 4. Identification and Mitigation Health Risks and Hazards in Food Contamination: Recognize hazardous factors and substances in contaminated food and develop strategies to minimize risks in food production and consumption. 5. Food Preservation and Storage Techniques: Acquire practical knowledge of traditional and modern preservation methods to maintain the safety and quality of animal food products. 6. Technology for Enhancing Food Storage and preservation: Explore technological approaches and their impacts on extending the shelf life and ensuring the quality of animal food products. 7. Implementation of Hygiene, Sanitation, and food safety management systems: Understand and application of the hygiene and sanitation principles with covers to HACCP (Hazard Analysis and Critical Control Points) guidelines in food production and handling facilities.
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ANESTHESIOLOGY AND REANIMATION					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.07	1	4: 1	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 5 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES To teach anaesthesia, induction and complications of domestic animals. LEARNING OUTCOMES 1. Students taking this course learn the definition of anaesthesia and anaesthesia drugs. 2. They know anaesthesia methods and complications of anaesthesia. 3. They learn resuscitation and emergency response practices

REPRODUCTION, ARTIFICIAL INSEMINATION AND ANDROLOGY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.1.08	3	4: 1	Compulsory	Lectures: 30 Seminars: 10 Supervised self-learning: 15 Laboratory and desk-based work: 0 Non-clinical animal work: 15 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES To give special information in the field of andrology, artificial insemination, reproduction and infertility to the students theoretically. LEARNING OUTCOMES 1. Clinical and diagnostic examination of male and female genital organs. 2. Andrological examination in the male. 3. Semen collection methods. 4. Semen evaluation and biochemical structure. 5. Semen preservation, dilution and freezing of semen. 6. Infertility in the male and how to solve infertility problems 7. Oestrus and oestrus cycle and determination of the most suitable insemination time. 8. Reproduction in poultry.

CLINIC IV

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.2.01	4	4: 2	Compulsory	Lectures: 0 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 85 Others (Homework, Preparation for midterm/final exams, quiz): 6	OBJECTIVES The aim of this course is to get experience and skill. LEARNING OUTCOMES 1. Knows the knowledge, skills and gains to be gained at the end of the course and knows and applies the principles of working in a clinical and laboratory environment and the biosafety rules to be followed and the possible biological and chemical hazards and precautions to be taken in the application areas. Learns the methods of semen collection in bulls. Knows the course content, achievements, processing and evaluation methods and course resources. Makes a complete clinical examination. Knows the issues to be considered in the operation room and clinical examination rooms. 2. Knows how to take anamnesis, knows and applies drug administration routes and fluid electrolyte therapy, injection methods and intravenous catheter applications. Performs general clinical examination applications. Recognizes possible diseases in animals clinically, uses diagnostic methods for this purpose, takes diagnostic materials when necessary, sends them to authorized laboratories and/or tests them. Learns semen collection methods in stallions. Determines

					the stages of the sexual cycle in domestic animals Knows the general clinical examination and issues to be considered in traumatized patients. 3. Examination of the skin, taking and examining skin samples makes applications. Knows and applies the methods of approaching the patient in situations requiring emergency intervention. Develops appropriate treatment plans and applies treatment according to the patients benefit and available resources. Learns the methods of semen collection in rams and goats. Controlling reproduction in domestic animals makes applications for shock treatment and knows the drugs used, pain control, and the emergency response protocol. 4. Performs anterior stomach examination, pain experiments, abomasum examination, glutaraldehyde test applications in ruminants. Keeps patient and sample records using appropriate information technologies and prepares reports on the health status of animals when necessary. Learns sperm collection methods in dogs. Makes pregnancy diagnosis in domestic animals Local findings of fractures knows the degree of lameness and can detect gait disorders. 5. Performs ultrasonographic examination of the reticular region in ruminants. Knows and applies the shooting positions in radiologic examination. Detects the symptoms of notifiable and zoonotic diseases and takes
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					appropriate measures, including reporting to the relevant authorities. Learns the methods of sperm collection in cats. Intervenes in difficult labour in domestic animals. Knows the application of external coaptation methods and the usage areas of bandage types. 6. Oro/nasogastric catheter application, rumen probe applications in ruminants, radiographic shots for radiological examination and reading the images knows and does. Prescribes and administers drugs correctly and responsibly in accordance with the legislation. Learns the methods of taking sperm from poultry. Knows the bandage application and the materials used in bandage application. 7. Knows and performs endoscopic examination of the digestive system and evaluation of systemic organs in radiologic examination. Apply appropriate biosafety principles, including sterilization of equipment and disinfection of clothing. Learns the methods of semen collection in laboratory animals. Knows the materials used in nail trimming and their intended use. Knows the examination of the nail and nail cutting. 8. Examination of the circulatory system, auscultation of the heart, ECG and echocardiographic examinations, knows and performs patient preparation in ultrasonographic examination. Evaluates and manages pain. Can make the first examination of fresh semen. Knows the
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					application of treatment methods in nail diseases. Can do shoeing and wedge application. 9. Knows and performs respiratory system examination in animals, lung auscultation, percussion, bronchoscopic examination, evaluation of systemic organs in ultrasonographic examination. Knows the prophylaxis methods of diseases and performs preventive medicine practices. Learns the use of a microscope in semen examination. Knows mouth, gingiva examination and control of teeth. Can detect tooth decay and tooth tartar. 10. Knows urinary catheterization and cystocentesis methods in animals, urine collection and urine examinations, and preoperative preparation for the operation. Takes necessary precautions, including biosecurity, for the control of infectious and epidemic diseases. Can perform density examination of semen. Can perform the deterrence process and tooth extraction application.
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SURGERY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.2.02	5	4: 2	Compulsory	Lectures: 75 Seminars: 10 Supervised self-learning: 30 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES The purpose of this course is to horses, cattle, sheep, goats, dogs, cats, and birds, and to teach Surgical diseases. LEARNING OUTCOMES 1. Students taking this course learn to diagnose and treat rectum and anus diseases. 2. They learn how to diagnose and treat urinary system diseases. 3) They learn to diagnose and treat male genital system diseases. 3. They learn the diagnosis and treatment of diseases seen in the musculoskeletal system. 4. They learn the diagnosis and treatment of vascular diseases. 5. They learn the diagnosis and treatment of lameness.

OBSTETRIC AND GYNECOLOGY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.2.03	6	4: 2	Compulsory	Lectures: 90 Seminars: 10 Supervised self-learning: 20 Laboratory and desk-based work: 0 Non-clinical animal work: 20 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES Intend to raise a veterinarian who is able to do any interventions about obstetrics, gynecology, reproduction. LEARNING OUTCOMES 1. Knows the characteristics of reproductive physiology, endocrinology and sexual cycles. 2. Will learn the examination of genital organs, the control of reproduction. 3. Will know the physiology, pathology and pregnancy diagnosis in domestic animals. 4. Will learn the endocrine system, nervous control and physiological system of birth. Will learn the preparation of the fetus for birth in animals, its development and conditions. 5. Within the scope of birth assistance; will learn anamnesis-general examination, tools and materials, anaesthesia, birth assistance attempts, causes of difficult birth and cesarean section operation. Will learn the care and nutrition of pregnant animals and animals after birth, care and nutrition of offspring, problems and solutions related to lactation. 6. Will know Retentio Secundinarum, Puerperal Infections, Metabolic Diseases.

					7. Will know Retentio Secundinarum, Puerperal Infections, Metabolic Diseases. 8. Will learn the Infertility Problem in Cows. 9. Recognizes and treats infertility problems caused by infectious or non-infectious diseases in cats and dogs. 10. Gains the ability to perform gynecological operations. Knows the causes of infertility problems in mares and their solutions. Analyzes infertility problems seen on a herd basis and knows their management. Becomes aware of the economic losses that may occur due to infertility in the country's animal husbandry and knows their management.
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EQUINE INTERNAL MEDICINE					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.2.04	1	4: 2	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 5 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES The aim of this course is to recognize the diseases seen in different systems in horses, to make differential diagnoses by evaluating laboratory findings for the diagnosis of these diseases, to gain the necessary theoretical knowledge about appropriate and effective treatment and prophylaxis methods and preventive medicine in diseases. LEARNING OUTCOMES 1. Clinically recognizes possible diseases in horses, uses diagnostic methods for the diagnosis of diseases, takes diagnostic materials when necessary and sends and/or tests them to authorized laboratories. 2. Develop appropriate treatment plans according to the diseases in horses and apply the treatment according to the patient's benefits and available resources. 3. Evaluates the clinical and laboratory findings of diseases in horses. 4. The horse applies theoretical knowledge to the solution of clinical cases in the field of internal medicine. 5. Knows the necessary methods for the treatment or prophylaxis of different diseases and practices preventive medicine. 6. Takes necessary measures, including biosecurity, in order to control contagious and epidemic diseases.

					7. Detects the symptoms of notifiable and zoonotic diseases and takes appropriate measures, including reporting to the relevant authorities. 8. Takes and applies occupational safety and biosecurity measures. 9. Have the medical and legal knowledge to ensure animal welfare at all times, including procedures such as euthanasia, both in terms of individual medicine and collective medicine and production. 10. Communicates information obtained from clinical and laboratory examinations in a fluent and comprehensible manner to the patient owner and presents this information in a clear and well-organized manner when preparing clinical reports and developing protocols.
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INTERNAL MEDICINE OF RUMINANTS

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.2.05	3	4: 2	Compulsory	Lectures: 45 Seminars: 10 Supervised self-learning: 15 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 5	OBJECTIVES The aim of this course is to gain the necessary theoretical knowledge about ruminant internal diseases and diagnostic methods, differential diagnosis, treatment and prevention of these diseases. LEARNING OUTCOMES 1. Recognizes the diseases that are likely to occur in ruminants clinically, uses diagnostic methods for the diagnosis of diseases, takes diagnostic materials when necessary and sends and/or tests them to authorized laboratories. 2. Develop appropriate treatment plans according to the diseases in ruminants and apply the treatment according to the patient's benefits and available resources. 3. Evaluates the clinical and laboratory findings of ruminant diseases. 4. Apply theoretical knowledge to the solution of clinical cases in the field of ruminant internal medicine. 5. Knows the necessary methods for the treatment or prophylaxis of different diseases and practices preventive medicine. 6. Takes necessary measures, including biosecurity, in order to control contagious and epidemic diseases. 7. Detects the symptoms of notifiable and zoonotic diseases and takes appropriate measures, including reporting to the relevant authorities. 8. Takes and applies occupational safety and biosecurity measures. 9. Have the medical and legal knowledge to ensure animal welfare at all times, including procedures

					such as euthanasia, both in terms of individual medicine and collective medicine and production. 10. Communicates information obtained from clinical and laboratory examinations in a fluent and comprehensible manner to the patient owner and presents this information in a clear and well-organized manner when preparing clinical reports and developing protocols.
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MILK HYGIENE AND TECHNOLOGY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.2.06	4	4: 2	Compulsory	Lectures: 30 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 75 Extramural visits: 0 Others (Homework, Preparation for midterm/final exams, quiz: 0	OBJECTIVES The objective of this course is to give information about milk content, milking hygiene, milkborne pathogens and prevention methods, and milk technology LEARNING OUTCOMES 1. Upon attending the course, the students get and implement the knowledge, skills and achievements including; Understand biosafety rules to be followed during visits and lab practices Perform raw milk inspection and destine it to the appropriate technology Perform inspection on the process flow and determine the critical control points in the milk processing plant (MPP). 2. Understand the chemical composition of milk, the factors affecting milk composition, hygienic milk production conditions and the importance of milk and dairy products in human nutrition. perform the platform tests of raw milk and makes general evaluation of milk 3. Evaluate the quality of raw milk and decide on its suitability for technology. Demonstrate the knowledge of pasteurized and UHT milk technologies and inspect on the milk technology. Perform pH determination in milk. Evaluate the milk according to pH. . 4. Demonstrate knowledge of the composition differences between milks belonging to different

					animal species, the structure, properties of the casein; the physiological functions of lactose, the fermentation conditions in dairy products. 5. Perform platform tests in milks. Identify milk tricks, abnormal milks. Recognise the microbial quality of milk and the factors that affect the milk and milk product safety and quality Determine the preservative substances and chemical contaminants in milk. Advise on and implement preventative programs in line with animal health, welfare and public health standards. 6. Inspect dairy technologies process flow Demonstrate knowledge of kefir, white cheese and cheddar technologies Interpret the analyze results and detect the tricks. 7. Be able to evaluate the minimum conditions required in the milk processing plants, Examine the process flow in milk technology Determine the critical control points and precautions to be taken in the milk processing plants. 8. Sample, store, transport and analyze milk and milk products for microbiological evaluation 9. Evaluate the working conditions of a milk processing plants Implement cleaning and disinfection practices in the milk processing plants within the frame of food safety programs such as HACCP and GMP. Advise manufacturers for more efficient and economical production. 10. Understand the legal regulations regarding milk and products. Participate in the microbiological analysis phase of milk and its products, interpret the results. Analyze the overall bacterial load in milk and products.
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PIG DISEASES					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
4.2.07	1	4: 2	Compulsory	Lectures: 15 Seminars: 5 Supervised self-learning: 5 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES The aim of this course is to gain the necessary theoretical knowledge about swine diseases and their diagnosis, differential diagnosis, treatment and prevention. LEARNING OUTCOMES 1. Clinically recognizes diseases that may be present in pigs, uses diagnostic methods for this purpose, receives diagnostic materials when necessary, sends them to authorized laboratories and / or tests them. 2. Develops appropriate treatment plans in pigs according to the diseases and applies the treatment according to the patient's benefits and available resources. 3. Evaluates the clinical and laboratory findings of diseases in pigs. 4. Apply theoretical knowledge to the solution of clinical cases in the field of pig disease. 5. Knows the necessary methods for the treatment or prophylaxis of different diseases and practices preventive medicine. 6. Takes necessary measures, including biosecurity, in order to control contagious and epidemic diseases. 7. Detects the symptoms of notifiable and zoonotic diseases and takes appropriate

					measures, including reporting to the relevant authorities. 8. Takes and applies occupational safety and biosecurity measures. 9. Have the medical and legal knowledge to ensure animal welfare at all times, including procedures such as euthanasia, both in terms of individual medicine and collective medicine and production. 10. Communicates information obtained from clinical and laboratory examinations in a fluent and comprehensible manner to the patient owner and presents this information in a clear and well-organized manner when preparing clinical reports and developing protocols.
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BREEDING AND DISEASES OF BEES

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.04	2	5: 1	Compulsory	Lectures: 16 Seminars: 2 Supervised self-learning: 1 Laboratory and desk-based work: 1 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES The objective of this course is to teach the student classification, morphological and biological features of honeybee, breeding of honey bee, diseases of honey bee and diagnosis of the factors, therapy and protection of honey bee. LEARNING OUTCOMES 1- Knows species and breeds of bees. 2- Know the biology of bees. 3- Materials used in beekeeping and knows what they do. 4- Distinguish individuals in bee colonies. 5- Upon successful completion of this course, the students will be able to; diagnose bee diseases and suggest control programs. 6- Apply routine procedures like examination of a beehive, picking up anamnesis, doing sampling and proper sending to laboratory. 7- Bee diseases can be cured. 8- Honey bee diseases in Turkey will be recognized.

TRAUMATOLOGY AND ORTHOPEDIC SURGERY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.05	2	5: 1	Compulsory	Lectures: 5 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 4	OBJECTIVES The aim of this course is to provide information on congenital and acquired orthopedic disorders observed in pets and to present up-to-date knowledge on their treatment. LEARNING OUTCOMES 1- Bone anatomy will be learned. 2- Bone structure will be learned. 3- Fracture and tips will be learned. 4- Fracture's treatment methods will be learned. 5- Fracture's treatment methods will be learned. 6- Fracture's treatment methods will be learned.

ETHICS DEONTOLOGY AND LEGISLATION OF VETERINARY MEDICINE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.06	1	5: 1	Compulsory	Lectures: 15 Seminars: 1 Supervised self-learning: 0 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 13	OBJECTIVES This course is designed to give information about the veterinarians' lawful and ethic responsibilities, orientate the students to the veterinary legislation. LEARNING OUTCOMES 1- Learns and interprets ethical and deontological values. 2- Learns ethical and legal responsibilities related to patient, patient owner, society and environment. 3- Learns to have knowledge of organization, management and legislation related to the veterinary profession. 4- Identify ethical problems and learn the best ethical decision-making skills by participating in the ethical decision-making process. 5- It absorbs the economic and emotional context of the veterinarian. 6- Learns to keep clinic, patient and case records in a way that is satisfactory to colleagues, understandable and accurate by the community. 7- Gain a broad understanding and awareness of professional codes of conduct, veterinary ethics rules and national/international laws and regulations governing veterinary practice. 8- It applies its profession with the awareness of professional ethics and protecting animals.

					9- Gains competence in solving the problems encountered in practice of veterinary medicine legislation.
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VETERINARY MEDICINE PUBLIC HEALTH					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.08	3	5:1	Compulsory	Lectures: 15 Seminars: 2 Supervised self-learning: 1 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES The objective of this course is to give information about biological, physical, and chemical threats, preventive programs in line with animal health, welfare, and public health, principles of disease prevention and the promotion of health and welfare, veterinary public health issues including epidemiology, transboundary epizootic, zoonotic and foodborne, emerging and reemerging disease the duties and responsibilities of veterinarians in the protection of public health. LEARNING OUTCOMES 1. At the end of the course period, the knowledge the course will bring to the student knows the skills and achievements. 2. Zoonotic Diseases, Protection and Control. 3. One Health Concept. 4. Biological, chemical, and physical risks to public and animal health. 5. Measures to protect environmental health, hygiene, and sanitation.

					6. To conduct the progression of veterinary science, to develop the quality of veterinary public health and animal care, and to use their professional skills. 7. Take appropriate actions including informing relevant authorities of the suspected signs of possible notifiable, reportable, and zoonotic infections. 8. Propose, and apply, preventative programs suitable for the species and consistent with accepted animal health, welfare, and public health standards. 9. Legislation on animal care and welfare, animal movements, and notifiable and reportable diseases. 10. Veterinary public health subjects, concerning epidemiology, transboundary epizootic diseases, zoonotic and food-borne diseases, emerging and re-emerging diseases, food hygiene, and technology.
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FORENSIC VETERINARY MEDICINE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.09	1	5:1	Compulsory	Lectures: 7 Seminars: 1 Supervised self-learning: 1 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 4	OBJECTIVES In this course, animal, animal diseases, animal materials (meat, milk, eggs, caviar, honey, skin, wool, fleece, mohair, intestines, offal, edible internal organs, larynx, hair, feathers, horn, blood, bone manure, etc.) and public health within the scope of veterinary medicine, animal rights, animal welfare, deontology and professional ethics related issues related to forensic problems related to the problem in an impartial manner and how to approach a forensic case. LEARNING OUTCOMES 1. Knows the duties and responsibilities of veterinarians. 2. Knows the duties and responsibilities of veterinary expert witnesses. 3. Knows the approaches to suspicious deaths in terms of forensic medicine. 4. Applies the rules of fight against diseases and quarantine. 5. Knows and applies issues related to animal rights and animal welfare. 6. Takes necessary measures, including biosecurity, to control infectious and epidemic diseases. 7. Identifies the symptoms of notifiable and zoonotic diseases and takes appropriate measures, including reporting to the relevant authorities.

					8. Keeps patient and sample records using appropriate information technologies and prepares reports on the health status of animals when necessary. 9. Writes official articles such as patient records and reports, letters of recommendation, legal submission, insurance reports. 10. Recognizes notifiable and compensable diseases, takes the necessary measures, and initiates the legal process.
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MEAT HYGIENE, INSPECTION AND TECHNOLOGY

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.0		5: 1	Compulsory	Lectures: 30 Seminars: 35 Supervised self-learning: 0 Laboratory and desk-based work: 60 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 0	OBJECTIVES Students are informed about; i) the basic principles of meat hygiene and examination, ii) antemortem, post mortem inspections, in food animals including welfare aspects mandatory slaughters, meats to be confiscated, infectious and, parasitic diseases seen in food animals and decisions about these meats, iii) identifying the conditions effecting the quality of meat and safety of meat products, iv) determining and excluding the animals from food chain that are not suitable for human consumption inspection on meat technologies in meat processing plants, recording the observations, and v) sampling storing and transporting the suspected tissues and organs. LEARNING OUTCOMES 1. Upon attending the course, the student gets and implements the knowledge, skills and achievements including; Biosecurity issues in meat facilities and animal welfare aspects of food animals during transport and slaughtering 2. Duties and responsibilities of official veterinarian, slaughtering methods, optimal conditions of Slaughterhouses and meat processing plants 3. Antemortem inspection of food animals and systematic post mortem examination 4. Recording observations, sampling storing and transport of suspected tissues and organs 5. Determination of Infectious and zoonotic diseases

					6. Identifying postmortem changes seen in meat, determination of pathological changes and decisions on carcass and meat in accordance with legal provisions 7. Identifying the conditions affecting the quality and safety of animal products 8. Determining and excluding the animals not suitable for food chain 9. Inspection on meat production technologies in meat processing plants 10. Knowledge on meat technologies (sausages, bacon, roasting, canned meat) 11. Implementing cleaning and disinfection procedures and practices in meat processing plants and slaughterhouses
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CLINIC V

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.13	4	5:1	Compulsory	Lectures: 0 Seminars: 5 Supervised self-learning: 10 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 85 Others (Homework, Preparation for midterm/final exams, quiz): 6	OBJECTIVES In this course, it is aimed to train students to gain experience and skills in the field of diseases and clinical sciences. LEARNING OUTCOMES 1. Knows the knowledge, skills and gains that will be gained at the end of the course, knows and applies the working principles and biosafety rules to be followed in the clinical and laboratory environment, and possible biological and chemical hazards and precautions to be taken in the application areas. 2. Knows how to perform general clinical examination. Learns the preparation of diluent required for semen storage. Examines and treats diseases of pets in the puerperal period Can perform orthopedic examination in traumatized animals. 3. Knows and applies the approach to the patient in cases requiring emergency intervention. It can dilute the sperm and adjust the most appropriate insemination dose. It produces clinical solutions to infertility cases in pets. Knows emergency response and shock treatment methods. 4. Performs fluid therapy and interprets blood gases. Recognizes, prepares and uses the artificial vagina. Performs udder

					examination and treats diseases in pets. Knows preanesthetic period care and examinations of patients. 5. Makes ultrasonography applications in pet animals. Can use and maintain liquid nitrogen tank. Performs gynecological operations on pets. Knows anesthesia protocol, intubation procedure and patient monitoring in animals to be operated. 6. Knows and applies electrocardiography applications. Patient wake-up procedure after anesthesia knows the procedure of resuscitation in case of complications. 7. Knows and applies echocardiography applications. It can dissolve sequins with different methods. It can prepare for artificial insemination. Knows the examination of head organs, mouth, teeth, pharynx, larynx, esophagus and tarchea. 8. Knows and applies endoscopy and bronchoscopy applications. The bull can read the catalog and choose the most suitable semen. Knows urinary catheterization and cystocentesis, urinary bladder catheterization in dogs and cats. 9. Knows and applies urinary catheterization, cystocentesis and abdominocentesis applications. Knows and applies rectal examination techniques. Can prepare artificial insemination catheter. Knows general examination protocol and operative
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					interventions in digestive system diseases. 10. Interpret hematological and biochemical laboratory test results. It can synchronize oestrus in cows. Can make reproductive planning. Knows the examination and treatment methods of genital organs.
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LIVESTOCK SECTOR IN TURKEY AND EUROPEAN UNION					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.14	1	5:1	Elective	Lectures: 7 Seminars: 1 Supervised self-learning: 1 Laboratory and desk-based work: 1 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 3	OBJECTIVES To Learn Livestock In Turkey And Eu Comparatively. LEARNING OUTCOMES 1. Livestock in Turkey. 2. Livestock in EU

EMERGENCY CLINIC					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.16	1	5:1	Elective	Lectures: 7 Seminars: 2 Supervised self-learning: 1 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 3	OBJECTIVES The aim of this course is to gain the necessary theoretical knowledge about the recognition of emergency cases and intervention to these cases as soon as possible, first aid, transport, first aid and treatment. LEARNING OUTCOMES 1. Recognizes situations that require emergency intervention in animals. 2. Knows diagnostic methods in emergency situations in animals. 3. Knows the intervention methods to be applied in emergency situations in animals. 4. Evaluates clinical and laboratory findings of animal emergencies. 5. Analyzes appropriate treatment methods in emergency situations in animals. 6. Applies basic life support and first aid principles in emergency situations. 7. In case of an emergency, it intervenes in all species and performs first aid. 8. Assess emergency cases and priorities. 9. Have medical and legal knowledge to ensure animal welfare at all times, including procedures such as euthanasia. 10. Takes and applies occupational safety and biosafety measures.

PUBLIC ASSOCIATION IN VETERINARY MEDICINE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.18	1	5:1	Elective	Lectures: 15 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 14	OBJECTIVES To provide students to adapt to the profession and to improve communication skills. LEARNING OUTCOMES 1. The student learns to be able to express himself or herself well and to use information technologies adequately. 2. The student learns to create clear records for purposes such as writing patient records and reports and insurance reports. 3. The student learns to listen to people by considering their non-verbal clues. 4. The student learns to take into account the communication differences that people can have. 5. The student learns to show appropriate sympathy and empathy in verbal or written communication with people. 6. The student knows data storage and recording by using appropriate information technologies. 7. The student learns to provide information to the animal owners to make informed decisions. 8. The student knows the written and oral informed consent of the patient owners.

PUBLIC ASSOCIATION IN VETERINARY MEDICINE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.19	1	5:1	Elective	Lectures: 12 Seminars: 0 Supervised self-learning: 1 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES To provide information to the students about the crayfish biology and culture. LEARNING OUTCOMES 1. She/ he knows and prepare for the requirements of the crayfish culture. 2. She/ he can carry out spawning and breeding studies for the crayfish. 3. She/ he knows and perform population management and harvest of crayfish. 4. She/ he knows diagnosis and treatment of the crayfish diseases. 5. He/ she knows the reproduction biology and brood collecting techniques of crayfish. 6. He /she knows the culture systems of the crayfish.

REPRODUCTION AND FERTILITE CONTROL IN CATTLE BREEDING

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.20	1	5:1	Elective	Lectures: 20 Seminars: 1 Supervised self-learning: 1 Laboratory and desk-based work: 1 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 16	OBJECTIVES It is aimed to teach methods to control reproduction in sheep farms. LEARNING OUTCOMES 1. At first, week knows the reproductive anatomy of bull and cow. 2. At the second week knows the reproductive anatomy of bull and cow. 3. At the fifth week knows the reproductive physiology and endocrinology of bull and cow. 4. At the ninth week knows the synchronization of oestrus and ovulation in cows. 5. At the tenth week knows the spermatological properties of bull. 6. At the twelfth week knows to collection evaluation and storage of bull semen. 7. At the sixteenth week knows artificial insemination techniques in cows

REPRODUCTION AND FERTILITE CONTROL IN SHEEP BREEDING

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.21	1	5:1	Elective	Lectures: 20 Seminars: 1 Supervised self-learning: 1 Laboratory and desk-based work: 1 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 16	OBJECTIVES It is aimed to teach methods to control reproduction in sheep farms. LEARNING OUTCOMES 1. At first, week knows the reproductive anatomy of ewe and ram. 2. At the second week knows the reproductive anatomy of ewe and ram. 3. At the fifth week knows the reproductive physiology and endocrinology of ewe and Ram. 4. At the ninth week knows the synchronization of oestrus and ovulation in ewes. 5. At the tenth week knows the spermatological properties of ram. 6. At the twelfth week knows to collection evaluation and storage of ram semen. 7. At the sixteenth week knows artificial insemination techniques in ewes.

REPRODUCTION AND FERTILITE CONTROL IN SHEEP BREEDING

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.21	1	5:1	Elective	Lectures: 20 Seminars: 1 Supervised self-learning: 1 Laboratory and desk-based work: 1 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 16	OBJECTIVES It is aimed to teach methods to control reproduction in sheep farms. LEARNING OUTCOMES 1. At first, week knows the reproductive anatomy of ewe and ram. 2. At the second week knows the reproductive anatomy of ewe and ram. 3. At the fifth week knows the reproductive physiology and endocrinology of ewe and Ram. 4. At the ninth week knows the synchronization of oestrus and ovulation in ewes. 5. At the tenth week knows the spermatological properties of ram. 6. At the twelfth week knows to collection evaluation and storage of ram semen. 7. At the sixteenth week knows artificial insemination techniques in ewes.

MAMMARY HEALTHY AND DISEASES

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.22	1	5:1	Elective	Lectures: 15 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 14	OBJECTIVES In domestic animals to provide current approaches to protection of udder health. LEARNING OUTCOMES 1. In domestic animals, development and anatomical structure of the udder. 2. In domestic animals, functions of udder. 3. In domestic animals, mastitis and mastitis prevention. 4. In farm animals, Milking techniques, hygiene and mastitis relationship. 5. In domestic animals, circulatory disorders of the udder. 6. In domestic animals, udder operations.

MAMMARY HEALTHY AND DISEASES

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.23	1	5:1	Elective	Lectures: 8 Seminars: 0 Supervised self-learning: 1 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 2	OBJECTIVES This course aims to teach the eye diseases of horses, cattle, sheep, goats, dogs, cats and birds. LEARNING OUTCOMES 1. Anatomy of the eye is to be taught. 2. Konjektive diseases is to be taught. 3. Corneal diseases will be taught. 4. Ophtalmology operations will be taught.

PUBLIC HEALTH AND MICOTOXINS					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.24	1	5:1	Elective	Lectures: 13 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 12	OBJECTIVES In this course, students, public health threat vectors and other pest's basic principles, vector biology, vector control pesticides used in the effects, uses, adverse effects and rational use techniques jakke the detailed information is intended to provide. LEARNING OUTCOMES 1. Be knowledgeable about the basic principles of vector and pest control. 2. Be informed about the biology of vectors and pesticides that is use in vector control. 3. Be knowledgeable about Areas of use, adverse effects and the technical rational use. 4. Gets information about the notion of pesticide. 5. Learns the insecticides. 6. Knows rodenticides, molluscicides and fungicides. 7. Gets information about herbicides, plant and insect growth regulators. 8. Knows the algaecides. 9. Learns pesticide analysis methods.

ANALITICAL TOXICOLOGY AND VETERINARY DRUG RESIDUALS

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.25	1	5:1	Elective	Lectures: 13 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 12	OBJECTIVES In this course, students will use it from intoxication will be given information about treatment methods. LEARNING OUTCOMES 1. Scope of toxicology, poison and properties of poisons. 2. Types of toxicities and toxicokinetics. 3. General causes of poisonings, taking and sending the samples in poisonings, diagnosis and general therapy methods. 4. Toxicity that originated from poison of plant and animal, and treatment of these toxicities. 5. Toxicity that originated from inorganic poisons and treatment of these toxicities. 6. Toxicity that originated from pesticides and industrial poison treatment of these toxicities. 7. Conclusions in toxicology.

IMMUNITY IN PARASITIC DISEASES

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.26	1	5:1	Elective	Lectures: 6 Seminars: 0 Supervised self-learning: 1 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 4	OBJECTIVES The objective of this course is to teach general immunology, antigenic variation, immunoregulation, immunopathology, safe immunity and vaccination. LEARNING OUTCOMES 1. To be able to tell about immune system in parasitic infections. 2. To be able to explain about the vaccines developed against trematoda. 3. To be able to explain about the vaccines developed against cestode. 4. To be able to explain about the vaccines developed against nematoda. 5. To be able to explain about the vaccines developed against protozoons. 6. To be able to explain about the vaccines developed against arthropods.

PUBLIC HEALTH AND PESTICIDS					
Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.27	1	5:1	Elective	Lectures: 13 Seminars: 0 Supervised self-learning: 0 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 12	OBJECTIVES In this course, students basic definitions and concepts regarding pesticides, pesticide classification, mechanism of action and toxic effects of exposure to pesticides and environmental impact on the way information will be provided. LEARNING OUTCOMES 1. Be knowledgeable about the classification of pesticides. 2. Be knowledgeable about the environmental impact. 3. Be knowledgeable about the legislation regarding the use of pesticides. 4. Scope of toxicology, pesticide and properties of pesticides. 5. Toxicity that originated from pesticides and industrial poison treatment of these toxicities. 6. Conclusions in toxicology.

PREVENTIVE VETERINARY MEDICINE

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.1.28	1	5:1	Elective	Lectures: 6 Seminars: 0 Supervised self-learning: 1 Laboratory and desk-based work: 0 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 4	OBJECTIVES The objective of this course is to give information about general parasitology. LEARNING OUTCOMES 1. Learns the precautions to be taken to prevent animals from getting sick. 2. Learns the vaccination schedule in terms of preventive medicine in pets. 3. Learns the precautions to be taken to prevent animals from getting parasitic diseases. 4. Knows the definition, functions and responsibilities of preventive veterinary medicine. 5. Knows the methods of prevention and control of infections and can apply these methods. 6. Knows and applies the methods of obtaining immunity. 7. Learns the precautions to be taken during parasitic diseases.

INTERN TRAINING

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction and hours	Learning outcomes
5.2.01	30	5:2	Compulsory	Lectures: 0 Seminars: 20 Supervised self-learning: 0 Laboratory and desk-based work: 350 Non-clinical animal work: 90 Clinical animal work: 190 Others (Homework, Preparation for midterm/final exams, quiz): 180	OBJECTIVES Provides the student to reach the best professional level. LEARNING OUTCOMES 1. Students Biochemistry - Physiology - Anatomy - Histology will have general information about. 2. Students Ethics - Animals will have general information about Business Economics. 3. Students will have general information about Biometrics and Genetics. 4. Students of pharmacology-toxicology will have general information about. 5. Students of Internal Medicine and Surgery will have general information about. 6. Students Obstetrics and Gynecology - Artificial Insemination and Andrology will have general information about. 7. Students Microbiology - Virology - Parasitology will have general information about. 8. Students will have a general knowledge about the pathology. 9. Students will have general information about Food Hygiene. 10. Animal Nutrition and Nutritional Diseases Students will have general information about. Students will have general information about Animal Science.

GRADUATION THESIS

Reference number	ECTS	Position in the programme (Year: Sem.)	Compulsory / Opcional	Modes of instruction (hours)	Learning outcomes
5.2.02	4	5:2	Compulsory	Lectures: 30 Seminars: 10 Supervised self-learning: 20 Laboratory and desk-based work: 30 Non-clinical animal work: 0 Clinical animal work: 0 Others (Homework, Preparation for midterm/final exams, quiz): 10	OBJECTIVES The objective is to apply and assess all the skills developed throughout the course of study in a comprehensive manner. LEARNING OUTCOMES To identify and propose a scientific, technical, production, or other relevant problem, specifically within the field of Veterinary Medicine. To address the identified problem using appropriate scientific and technological methodologies. To prepare a report structured as a scientific document, including the working hypothesis, objectives, an introduction explaining the problem, the methodology applied to problem solving, a discussion to interpret the findings, and conclusions. To publicly defend the Final Degree Project.

EPT					
Reference number	ECTS/days	Position in the programme (Year: Sem.)	Compulsory / Elective	Modes of instruction (400 hours)	Learning outcomes
2.2.07 3.2.10 4.2.9	3/10 d 3/15 d 4/25d	After 2.2 After 3.2. After 4.2.	Compulsory (Elective)	Supervised learning: 50 EPT: 300 h Others: 50	OBJECTIVES The main objective of the course is to supplement and strengthen the knowledge acquired in core training of students, encouraging the acquisition of skills to prepare for the exercise of professional activities and facilitate employment. The specific goals of the EPT are: a) To supplement theoretical and practical learning. b) To create the professional reality that students must operate, comparing and applying the acquired knowledge work. c) To improve professional skills d) To get experience and to increase the opportunities for recruitment. e) To recognize the values of innovation, creativity, teamwork, soft skill, network, professional ethics LEARNING OUTCOMES 2.2.07 (EPT 1) Basic science and related (official and private) premises 3.2.10 (EPT 2) Zootechnics Animal Nutrition and Preclinics 4.2.9 (EPT3) Clinical Sciences and VPH (including FSQ) To gain an understanding of the situation and requirements of the industry or institution in which the student is involved. To become acquainted with labor-related issues in a direct and practical manner. To carry out the assigned tasks within the context of the student's training in Veterinary Medicine, encompassing all relevant aspects.

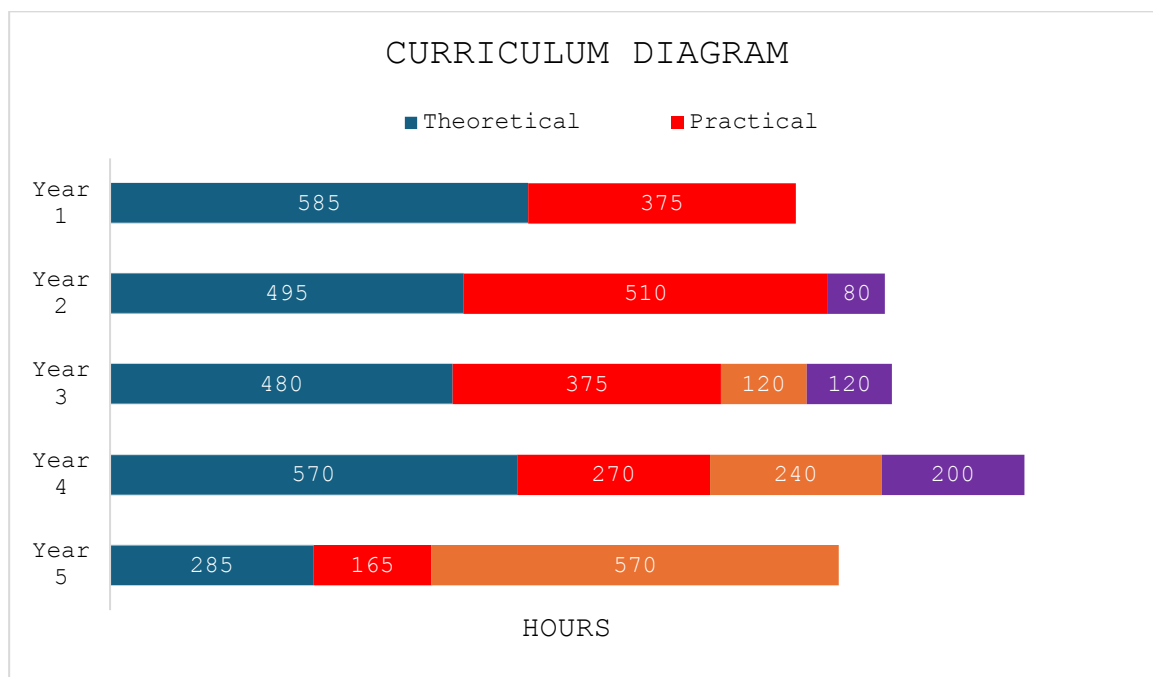
Annex 2.2. Curriculum Diagram of FVM-EU

Course Structure Diagram with Credits

Course unit code	Course unit title	Type of course unit	T	P	ECTS
1.1.01	ANATOMY I	Compulsory	3	4	6.00
1.1.02	HISTOLOGY I	Compulsory	2	2	4.00
1.1.03	HISTORY OF VETERINARY MEDICINE, OCCUPATIONAL ETHICS AND VETERINARY LEGISLATION	Compulsory	2	1	4.00
1.1.04	BIOPHYSICS	Compulsory	1	0	1.00
1.1.05	ZOOLOGY	Compulsory	1	1	2.00
1.1.06	MEDICAL CHEMISTRY	Compulsory	1	1	2.00
1.1.07	OCCUPATIONAL ENGLISH	Compulsory	0	2	1.00
1.1.08	OCCUPATIONAL HEALTH AND SAFETY	Compulsory	1	1	2.00
1.1.09	TURKISH	Compulsory	2	0	2.00
1.1.10	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION	Compulsory	2	0	2.00
1.1.11	FOREIGN LANGUAGE	Compulsory	2	0	2.00
1.1.12	ELECTIVE COURSE	Compulsory	2	0	2.00
1.2.01	ANATOMY II	Compulsory	3	4	6.00
1.2.02	HISTOLOGY II	Compulsory	2	2	4.00
1.2.03	GENETICS	Compulsory	2	1	3.00
1.2.04	ANIMAL BEHAVIOR AND ANIMAL WELTH	Compulsory	1	1	2.00
1.2.05	MEDICAL BOTANIC	Compulsory	1	1	1.00
1.2.06	BIOSTATISTIC	Compulsory	1	2	2.00
1.2.07	OCCUPATIONAL ENGLISH	Compulsory	0	2	1.00
1.2.08	SCIENTIFIC RESEARCH AND PRESENTATION TECHNIQUES	Compulsory	1	0	1.00
1.2.09	TURKISH	Compulsory	2	0	2.00
1.2.10	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION	Compulsory	2	0	2.00
1.2.11	FOREIGN LANGUAGE	Compulsory	2	0	2.00
1.2.12	CAREER PLANNING	Compulsory	1	0	2.00
1.2.13	ELECTIVE COURSE	Compulsory	2	0	2.00
2.1.01	PHYSIOLOGY	Compulsory	4	5	8.00
2.1.02	BIOCHEMISTRY	Compulsory	4	5	8.00
2.1.03	EMBRYOLOGY	Compulsory	1	1	2.00
2.1.04	TOPOGRAPHIC ANATOMY	Compulsory	1	2	2.00
2.1.05	ZOOTECHNICS	Compulsory	4	4	8.00
2.1.06	ELECTIVE COURSE	Compulsory	2	0	2.00
2.2.01	PARASITOLOGY	Compulsory	5	5	7.00
2.2.02	MICROBIOLOGY	Compulsory	4	4	6.00
2.2.03	VIROLOGY	Compulsory	2	2	4.00
2.2.04	ANIMAL NUTRITION AND NUTRITIONAL DISEASES	Compulsory	4	4	6.00
2.2.05	CLINICAL SKILLS LABORATORY COURSE	Compulsory	0	2	2.00
2.2.06	ELECTIVE COURSE	Compulsory	2	0	2.00
2.2.07	SUMMER INTERNSHIP I (EPT)	Compulsory	0	0	3.00
3.1.01	CLINIC ROTATION I	Compulsory	0	4	4.00
3.1.02	PROPEDEUTIC	Compulsory	3	0	3.00
3.1.03	PHYSIOPATOLOGY	Compulsory	1	1	2.00
3.1.04	AVIAN DISEASE	Compulsory	2	4	5.00
3.1.05	FISH DISEASES	Compulsory	2	4	5.00
3.1.06	LABORATORY ANIMALS DISEASES	Compulsory	2	4	5.00
3.1.07	BEE DISEASES	Compulsory	2	2	4.00
3.1.08	ELECTIVE COURSE	Compulsory	2	0	2.00
3.2.01	CLINIC ROTATION II	Compulsory	0	4	4.00
3.2.02	PROPAEDEUTIC II	Compulsory	3	0	3.00

3.2.03	PHARMACOLOGY	Compulsory	4	4	6.00
3.2.04	GENERAL PATHOLOGY	Compulsory	3	3	4.00
3.2.05	IMMUNOLOGY	Compulsory	1	2	3.00
3.2.06	DIAGNOSTIC IMAGING	Compulsory	2	0	2.00
3.2.07	ANIMAL HUSBANDRY	Compulsory	1	1	1.00
3.2.08	LIVESTOCK ECONOMICS	Compulsory	2	0	2.00
3.2.09	ELECTIVE COURSE	Compulsory	2	0	2.00
3.2.10	SUMMER INTERNSHIP II (EPT)	Compulsory	0	0	3.00
4.1.01	CLINIC ROTATION III	Compulsory	0	8	4.00
4.1.02	INTERNAL DISEASES OF CAT AND DOGS	Compulsory	3	0	3.00
4.1.03	EPIDEMIOLOGY	Compulsory	1	0	1.00
4.1.04	SPECIAL PATHOLOGY	Compulsory	5	4	8.00
4.1.05	TOXICOLOGY AND ENVIRONMENTAL SCIENCE	Compulsory	2	2	4.00
4.1.06	FOOD HYGIENE AND CONTROL	Compulsory	2	2	4.00
4.1.07	ANESTHESIOLOGY AND REANIMATION	Compulsory	1	0	1.00
4.1.08	REPRODUCTION, ARTIFICIAL INSEMINATION AND ANDROLOGY	Compulsory	2	0	3.00
4.1.09	ELECTIVE COURSE	Compulsory	2	0	2.00
4.2.01	CLINIC ROTATION IV	Compulsory	0	8	4.00
4.2.02	SURGERY	Compulsory	5	0	5.00
4.2.03	OBSTETRIC AND GYNECOLOGY	Compulsory	6	0	6.00
4.2.04	EQUINE INTERNAL MEDICINE	Compulsory	1	0	1.00
4.2.05	INTERNAL MEDICINE OF RUMINANTS	Compulsory	3	0	3.00
4.2.06	MILK HYGIENE AND TECHNOLOGY	Compulsory	2	5	4.00
4.2.07	PIG DISEASES	Compulsory	1	0	1.00
4.2.08	ELECTIVE COURSE	Compulsory	2	0	2.00
4.2.09	SUMMER INTERNSHIP III (EPT)	Compulsory	0	0	4.00
5.1.01	CLINIC ROTATION V	Compulsory	0	8	4.00
5.1.02	INFORMATION TECHNOLOGIES AND ARTIFICIAL INTELLIGENCE	Compulsory	1	1	2.00
5.1.03	PREVENTIVE MEDICINE	Compulsory	2	0	2.00
5.1.04	PROFESSIONAL COMMUNICATION	Compulsory	0	2	2.00
5.1.05	HERD HEALTH AND MANAGEMENT	Compulsory	1	2	4.00
5.1.06	ORTHOPEDICS AND FOOT DISEASES	Compulsory	3	0	3.00
5.1.07	VETERINARY MEDICINE PUBLIC HEALTH	Compulsory	2	0	2.00
5.1.08	NECROPSY AND FORENSIC VETERINARY MEDICINE	Compulsory	2	0	2.00
5.1.09	MEAT HYGIENE, EXAMINATION AND TECHNOLOGY	Compulsory	2	4	5.00
5.1.10	WILD ANIMAL DISEASES	Compulsory	2	0	2.00
5.1.11	ELECTIVE COURSE	Compulsory	2	0	2.00
5.2.01	INTERN TRAINING	Compulsory	0	30	26.00
5.2.02	FINAL ASSIGNMENT	Compulsory	2	2	4.00

Course Structure Diagram



Annex 2.3. Clinical Rotations

Types	List of clinical rotations (Disciplines/Species)	Weeks	Year
Intra-mural			
Internal Medicine	The applications will be carried out in consultations, clinics, and clinical skills laboratories, emergency clinical shifts, farm and shelter visits, ambulance clinical services, as well as in preventive medicine, herd health, and management. During the rotation, students will be required to present and discuss literature in groups (journal club). <u>Patient reception/registration/triage</u> - Students learn to accept patients (first visit / referrals), to record patient information in the hospital automation system, to determine the urgency (emergency cases) and risk status (normal / infectious patient) of the patient brought. Also learns to take anamnesis / history of the disease. Develops professional communication skills by talking with the animal owner. <u>Vaccination Unit</u> - Students learn preventive medicine practices (vaccination), vaccination schedule, antiparasitic drug application, general health control, microchip application, animal identification, age and sex determination. Develops professional communication skills by talking with the animal owner. <u>Pharmacy and Drug Preparation Unit</u> - Students learn how to write prescriptions, prepare medication, draw medication into the syringe, calculate doses, and how prescribed medication is administered. Students learn the classes of drugs used during the rotation period (antiparasitics, vitamins, antibiotics, etc.) and the storage / storage conditions of drugs. Also learns basic biosurgery practices here. <u>Clinical Biochemistry and Haematology Lab.</u> - Students learn micro-hematocrit, total protein determination, urine dip-stick analysis, sediment examination of urine, peripheral smear and giemsa/diff quick staining, complete blood count, biochemical analyses, hormone analyses, coagulation analyses and how the results are reported and interpreted. <u>Pet Clinic (Cat, Dog, Exotic)</u> - Students learn to examine cats, dogs and exotic animals, take samples (swab, puncture, blood,	2	5

	urine, etc.) from sick animals, diagnose using laboratory and diagnostic imaging techniques, treatment and care practices, prescribing, and communicating with the animal owner. <u>Ruminant Clinic</u> - Students learn to examine ruminants such as cattle, sheep, goats, take samples / samples (blood, urine, etc.) from sick animals, diagnose / diagnose using laboratory and diagnostic imaging techniques, treatment and care practices, communicate with the animal owner and write prescriptions. <u>Horse Clinic</u> - Students learn the examination of single-hoofed animals (horse, donkey), taking samples / samples (blood, urine, etc.) from sick animals, diagnosis / diagnosis using laboratory and diagnostic imaging techniques, treatment and care practices, communicating with the animal owner and writing prescriptions. <u>Hospitalisation Units</u> - Here they learn short and long term hospitalisation procedures, nursing care skills, animal feeding, drug/treatment applications, patient follow-up and patient observation, communication with the animal owner. <u>Intensive Care Units</u> - Students learn the follow-up and monitoring of a patient requiring intensive care. They also learn nursing care skills, animal feeding, drug / treatment applications. <u>Infectious Examination and Isolation</u> - Students learn the examination and follow-up of a patient suspected of infectious disease and diagnosed with an infectious disease and learn basic biosecurity practices and isolation procedures.		
Surgery	Surgery (Cat and Dog) - Students follow routine patients at the cat and dog surgery clinic - Obtaining the patient's anamnesis from the patient owners - Conducting clinical examination of the patient and determining physical parameters (body temperature, pulse, respiratory rates). - Emergency treatment of trauma patients - Orthopedic surgery, soft tissue surgery, eye surgery, oral and dental	2	5

	surgery, gastrointestinal system surgery, urinary system surgery, thoracic surgery etc. ○ Making preoperative preparations ○ Participating in surgical operations as an assistant ○ Postoperative care • Clinical Skill Laboratory ○ Practise of suture techniques (Ruminant and Equine) • Students follow routine patients in the ruminant and equine surgery clinic ○ Obtaining the patient's anamnesis from the patient owners ○ Conducting clinical examination of the patient and determining physical parameters (body temperature, pulse, respiratory rates) ○ Orthopedic surgery, soft tissue surgery, gastrointestinal system surgery, urinary system surgery, eye surgery, oral and dental surgery etc. ○ Lameness examination, foot diseases, tendon and ligament diseases, nail examination and cutting etc. ○ Making preoperative preparations ○ Participating in surgical operations as an assistant ○ Postoperative care • Clinical Skill Laboratory ○ Practise of suture techniques Practices will be carried out in the form of consultations, clinical skills laboratories and emergency clinic shifts. Students within the scope of rotation will be asked to complete the applications on the intern application list and fill in the checklist.		
Obstetrics and Gynecology	<u>Obstetrics and Gynaecology (Cat and Dog)</u> • VTH Obstetrics and Gynaecology Clinics Student follows routine cases in the cat and dog clinic ○ Taking anamnesis ○ General examination of patients (Vital signs)	2	5

	○ Reproductive examinations (Inspection, vaginoscopy, vaginal cytology, ultrasonography, sampling etc.) ○ Reproductive surgeries (Ovariohysterectomy, pyometra, mastectomy, caesarean section, prolapsus vagina etc.) • Seminar Room ○ Discussion of cases not encountered in the clinic during the rotation. ○ Oral presentations of assignments • Clinical Skill Laboratory ○ Practise of suture techniques <u>(Ruminant and Equine)</u> • VTH Obstetrics and Gynaecology Clinics Student follows routine cases in the ruminant and equine clinic ○ Taking anamnesis ○ General examination of patients (Vital signs) ○ Reproductive examinations (Inspection, vaginoscopy, ultrasonography, sampling etc.) ○ Reproductive surgeries (Caesarean section, prolapsus vagina, Udder surgeries etc.) • Clinical Skill Laboratory ○ Practises of suture techniques ○ Practises on simulators (Rectal palpation, dystocia and mammary examination) • Seminar Room ○ Discussion of cases not encountered in the clinic during the rotation. ○ Oral presentations of assignments • ERUTAM Visit ○ Inspection ○ Vaginoscopy ○ Metrichcek examination ○ Rectal Palpation ○ Rectal Ultrasonography ○ Pregnancy diagnosis ○ Udder examination ○ California Mastitis Test ○ Epidural and infiltration anaesthesia techniques Applications will be carried out in consultations, clinics, obstetrics and gynecology laboratories, clinical skills laboratories, emergency clinic shifts, farm and shelter visits, ambulance clinical services, and in the fields of preventive medicine as well as herd health and management. Within the scope of the rotation, students		
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	will be required to present and discuss literature in groups (journal club).		
Reproduction and Artificial Insemination	FVM-EU students receive within the scope of the Department of Reproduction and Artificial Insemination. 1. use and maintain the nitrogen tank. 2. prepare artificial vagina and take semen. 3. prepare semen diluent. 4. Perform spermatological analyzes (HOST, dead/live, abnormality and motility). 5. Detect estrus in livestock and pet animals. 6. Can perform artificial insemination in livestock and pet animals. 7. reproductive herd management. 8. Perform reproductive examination of genital organs in females. 9. Morphologic and Functional Examination of Male Reproductive Organs. 10. Control reproduction in exotic animals. The applications will be carried out in artificial insemination, semen examinations and preservation procedures in laboratories, as well as in preventive medicine and herd health and management areas. During the rotation, students will be required to present and discuss literature in groups (journal club).	1	5
FSQ & VPH			
Veterinary Public Health (Meat Hygiene and Technology, 1 week; Milk Hygiene and Technology, 1 week)	•Milk Product Processing Unit Visits; Inspection of process flow Raw milk analyses Cheese production Butter production Ice cream and yogurt production Cleaning and desinfection practises •FVM-EU Food Hygiene Lab Visits Biosecurity rules Sampling methods Conventional microbiological analyses Chemical analyses Molecular analyses •ERU Dining Hall Kitchen Visits Sanitation practises Inspection of storage conditions Personel Hygiene •Slaughterhouse Visits Inspection of process flow Conditions affecting the quality of meat	2	5

	Antemortem postmortem inspections Inspection of transport and welfare conditions Documentation and recording •Kayseri Water Supply Lab Visit Physical analyses Microbiological analyses Chemical analyses •FVM-EU Food Hygiene Lab Visit Biosecurity rules Sampling methods Conventional microbiological analyses Chemical analyses Molecular analyses During the rotation, students will be required to present and discuss literature in groups (journal club).		
Others			
Zootechnics, Animal Nutrition, Livestock Farm Management Economics (Animal Nutrition and Nutritional Diseases, Animal Science, Livestock Management In Departments)	Week 1 Visit to dairy cattle farm • Calf Care and Management • Monitoring Growth and Development • Breed Identification • Demonstration of Cattle Morphological Characteristics on Animals • Body Condition Score Assessment • Biosecurity Measures (Entry and Exit Controls, Quarantine Areas) • Cost Calculation in Dairy Farming • Cost Calculation in Beef Production • Dairy Cattle Ration Preparation • Beef Cattle Ration Preparation • Case Discussion on Ruminant Nutrition and Nutritional Diseases Week 2 Visit to dairy cattle farm • Record and Monitoring Systems • Observation of Animal Behaviors • Barn Planning • Environmental Impact and Waste Management • Evaluation of Herd Productivity • Milking Techniques and Milking Hygiene • Cost Calculation in Poultry Production • The Importance of Animal Health Economics • Importance of Record-Keeping and Analysis of Business Data Animal Nutrition Laboratory Visit • Preparation of Cat Food • Preparation of Dog Food	2	5

	• Case Discussion on Nutritional Diseases of Pet Animals The applications will be carried out in laboratories, farms, integrated enterprises, feed mills, as well as in preventive medicine and herd health and management areas. During the Farm Management Economics rotation, students will be required to present and discuss literature in groups (journal club).		
Pathology (Necropsy)	• Necropsy Techniques • Macroscopic Examination of Pathology Specimens • Preparation of Fixation Solution for Tissue • Sample Collection and Shipping • Tissue Processing • Sectioning and Staining of Prepared Tissues • Cytology Specimen Collection, Preparation, and Stains • Writing the Necropsy Report • Case Presentation The applications will be carried out in necropsy rooms and pathology laboratories. During the rotation, students will be required to present and discuss literature in groups (journal club).	1	5
History of Veterinary Medicine and Deontology	• Private Veterinary Clinics Visit Meet the responsible veterinarian Clinic introduction and tour Learning about the clinic establishment Learning the equipment required for the clinic Learning about the records kept in the clinic Patient owner reception Effective anamnesis taking Observing veterinarian-patient owner communication Learning professional communication Active participation in ethical decision making Learning to obtain written and verbal informed consent Learn sympathy and empathy in verbal and written communication. Gains effective communication skills with colleagues. Learn veterinary ethics and deontological rules Gains effective communication skills with patient owners. Learns the minimum requirements and processes for opening a veterinary clinic.	1	5

	Learns about the mandatory records to be kept in a veterinary clinic. Learns the types of veterinary prescriptions and how to write them. Learns how to write electronic prescriptions in a veterinary clinic. Kayseri Directorate of Provincial Agriculture and Forestry Visit Meeting with public veterinarians Learning the duties and responsibilities of public veterinarians Learning about the appointment and assignment of public veterinarians Learn the Ministry of Agriculture and Forestry Learn about the institutions and organizations affiliated with the Ministry Learn the department affiliated to the directorate Rotation Meet and Assessment Assessment of the one-week process is made with rotation group Differences in perspective before and after the events are discussed The applications will be carried out in the form of case discussions on professional communication, ethics, and regulations, as well as public and private sector visits. During the rotation, students will be required to present and discuss literature in groups		
Wild Animal Diseases	The applications will be carried out in the form of visits to the zoo and the Sultansazlığı Ecosystem. During the rotation, students will be required to present and discuss literature in groups	1	5

Annex 2.4. Alignment with the ESEVT Day One Competences

Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Anatomy I and II	1:1-2
	Biochemistry	2:1
	Histology I and II	1:1-2
	Medical Chemistry	1:1
	Animal Husbandry	3:2
	Herd Health Management	5:1
	General Pathology	3:2
	Propaedeutics I and II	3:1-2
	Embryology	2:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Pharmacology	3-2
	Toxicology and Environmental Science	4-1
	Zootechnics	2-1
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2-2
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4-1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases (3:1)	3:1
	Animal Behavior and Animal Welfare	1-2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
	Veterinary Histology	1:1-2

1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).	Medical Chemistry	1:1
	Zoology	1:1
	Medical Botany	1:2
	Medical Physics	1:1
	Biostatistics	1:2
	Anatomy I and II	1:1-2
	Embryology	2:1
	Biochemistry	2:1
	Epidemiology	4:1
	Veterinary Physiology	2:1
	Genetics	1:2
	Animal Husbandry	3:2
	Topographic Anatomy	2:1
	Microbiology	2:2
	Immunology	3:2
	Parasitology	2:2
	Physiopathology	3:1
	General Pathology	3:2
	Propaedeutics I and II	3:1-2
	Pharmacology	3:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Toxicology and Environmental Science	4:1
	Zootechnics	2:1
	Milk Hygiene and Technology	4:2
	Meat Hygiene, Inspection and Technology	5:1
	Radiodiagnostics 3:2	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Special Veterinary Pathology	4:1
	Food Hygiene and Control	4:1
	Equine Internal Medicine	4:2
	Internal Medicine of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2

	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice 2:2, 3:2, 4:2	2:2, 3:2, 4:2
	Graduation Thesis (5:2)	5:2
	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
1.3 Demonstrate a basic knowledge of the organisation, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Herd Health Management	5:1
	Livestock Economics	3:2
	General Pathology	3:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Zootechnics	2:1
	Pharmacology	3:2
	Radiodiagnostics 3:2	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Special Veterinary Pathology	4:1
	Food Hygiene and Control	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2,
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis (5:2)	5:2
	Fish Diseases (3:1)	3:1
	Toxicology and Environmental Science	4:1
Day One Competence	Subject	Schedule in the Program (Year:Semester)

1.4 Promote, monitor and contribute to maintaining health and safety of oneself, patients, clients, colleagues and the environment in the veterinary setting; demonstrate knowledge about the principles of quality assurance; apply principles of risk management in practice	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Epidemiology	4:1
	Herd Health Management	5:1
	Livestock Economics	3:2
	Microbiology	2:2
	Immunology	3:2
	Parasitology	2:2
	Toxicology and Environmental Science	4:1
	Infectious Diseases	4:1-2
	Food Hygiene and Control	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Occupational Health and Safety	1:1
	Clinical Skills Laboratory Course	2:2
	Fish Diseases	3:1
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.5 Communicate effectively with clients, the public, professional colleagues and responsible authorities, using language appropriate to the audience concerned and in full respect of confidentiality and privacy	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Epidemiology	4:1
	Physiology	2:1
	Herd Health Management	5:1
	Livestock Economics	3:2
	Microbiology	2:2
	Immunology	3:2
	Parasitology	2:2
	Propaedeutics I and II	3:1-2
	General Pathology	3:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Pharmacology	3:2
	Toxicology and Environmental Science	4:1
	Occupational English	1:2
	Zootechnics	2:1

	Milk Hygiene and Technology	4:2
	Meat Hygiene, Inspection and Technology	5:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
1.6 Implement principles of effective interpersonal interaction, including communication, leadership, management, team working, mutual respect and other soft skills	Medical Physics	1:1
	Biostatistics	1:2
	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Anatomy I and II	1:1-2
	Embryology	2:1
	Biochemistry	2:1
	Histology I and II	1:1-2
	Epidemiology	4:1
	Physiology	2:1
	Microbiology	2:2
	Immunology	3:2
	Physiopathology	3:1
	General Pathology	3:2
	Propaedeutics I and II	3:1-2
	Parasitology	2:2
	Pharmacology	3:2
	Toxicology and Environmental Science	4:1

	Professional Communication	5:1
	Radiodiagnostics	3:2
	Obstetric and Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Food Hygiene and Control	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Special Veterinary Pathology	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Orthopedics and Foot Disease	5:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Clinical Skills Laboratory Course	2:2
1.7 Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Epidemiology	4:1
	Toxicology and Environmental Science	4:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology Reproduction	4:2
	Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Special Veterinary Pathology	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2

	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Clinical Skills Laboratory Course	2:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognise the contribution of all team members	Physics	1:1
	Biostatistics Applied to Veterinary	1:2
	Chemistry	1:1
	Zoology	1:1
	Botany Applied to Veterinary	1:2
	Anatomy I and II	1:1-2
	Embryology	2:1
	Biochemistry	2:1
	Veterinary Histology	1:1-2
	Epidemiology	4:1
	Genetics	1:2
	Veterinary Physiology	2:1
	Herd Health Management	5:1
	Livestock Economics	3:2
	Animal Husbandry	3:2
	Anatomy I and II	1:1-2
	Embryology	2:1
	Microbiology	2:2
	Immunology	3:2
	Parasitology	2:2
	General Pathology	3:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Toxicology and Environmental Science	4:1
	Pharmacology	3:2
	Zootechnics	2:1
	Milk Hygiene and Technology	4:2
	Meat hygiene, inspection and technology	5:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Artificial Insemination and Andrology	4:1
	Special Veterinary Pathology	4:1

	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Clinical Skills Laboratory Course	2:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.9 Be able to review and evaluate literature and presentations critically.	Physics	1:1
	Biostatistics Applied to Veterinary	1:2
	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Anatomy I and II	1:1-2
	Embryology	2:1
	Biochemistry	2:2
	Veterinary Histology	1:1-2
	Epidemiology	4:1
	Veterinary Physiology	2:1
	Animal Husbandry	3:2
	Microbiology	2:2
	Immunology	3:2
	General Pathology	3:2
	Parasitology	2:2
	Propaedeutics I and II	3:1-2
	Pharmacology	3:1-2
	Toxicology and Environmental Science	4:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2

	Reproduction, Artificial Insemination and Andrology	4:1
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Clinical Skills Laboratory Course	2:2
	Fish Diseases	3:1
1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Anatomy I and II	1:1-2
	Embryology	2:1
	Veterinary Histology	1:1-2
	Epidemiology	4:1
	Genetics	1:2
	Veterinary Physiology	2:1
	Herd Health Management	5:1
	Livestock Economics	3:2
	Animal Husbandry	3:2
	Microbiology	2:2
	Immunology	3:2
	Parasitology	2:2
	General Pathology	3:2
	Propaedeutics I and II	3:1-2
	Pharmacology	3:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Toxicology and Environmental Science	4:1
	Zootechnics	2:1

	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Clinical Skills Laboratory Course	2:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.11 Demonstrate ability to critically analyse evidence, cope with incomplete information, deal with contingencies, and adapt knowledge and skills to varied scenarios and contexts	Biochemistry	2:1
	Anatomy I and II	1:1-2
	Embryology	2:1
	Veterinary Histology	1:1-2
	Epidemiology	4:1
	Herd Health Management	5:1
	Livestock Economics	3:2
	Animal Husbandry	3:2
	Microbiology	2:2
	Immunology	3:2
	General Pathology	3:2
	Propaedeutics I and II	3:1-2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Toxicology and Environmental Science	4:1
	Zootechnics	2:1

	Milk Hygiene and Technology	4:2
	Meat Hygiene, Inspection and Technology	5:1
	Pharmacology	3:2
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Special Veterinary Pathology	4:1
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Clinical Skills Laboratory Course	2:2
	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Chemistry	1:1
	Botany Applied to Veterinary	1:2
	Zoology	1:1
	Veterinary Histology	1:1-2
	Epidemiology	4:1
	Genetics	1:2
	Herd Health Management	5:1
	Livestock Economics	3:2

the United Nations Sustainable Development Goals	Veterinary Physiology	2:1
	Animal Husbandry	3:2
	Microbiology	2:2
	Immunology	3:2
	Parasitology	2:2
	General Pathology	3:2
	Propaedeutics I and II	3:1-2
	Pharmacology	3:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Toxicology and Environmental Science	4:1
	Zootechnics	2:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Clinical Skills Laboratory Course	2:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.13 Demonstrate the ability to recognise personal and professional	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Veterinary Physiology	2:1

limits, and know how to seek professional advice, assistance and support when necessary	Microbiology	2:2
	Immunology	3:2
	General Pathology	3:2
	Pharmacology	3:2
	Toxicology and Environmental Science	4:1
	Zootechnics	2:1
	Milk Hygiene and Technology	4:2
	Meat Hygiene, Inspection and Technology	5:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Parasitology	2:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Special Veterinary Pathology	4
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Animal Behavior and Animal Welfare	1:2
	Clinical Skills Laboratory Course	2:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.14 Demonstrate a commitment to lifelong learning and to professional development. This includes recording and reflecting on professional experience and taking measures to improve	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Anatomy I and II	1:1-2
	Embryology	2:1
	Veterinary Histology	1:1-2
	Biochemistry	2:1
	Epidemiology	4:1
	Genetics	1:2
	Professional English	1:1-2

performance competence	and	Scientific Research and Presentation Techniques	1:2
		Career Planning	1:2
		Veterinary Physiology	2:1
		Animal Husbandry	3:2
		Microbiology	2:2
		Immunology	3:2
		General Pathology	3:2
		Propaedeutics I and II	3:1
		Parasitology	2:2
		Veterinary Animal Nutrition and Nutritional Diseases	2:2
		Pharmacology)	3:2
		Toxicology and Environmental Science	4:1
		Zootechnics	2:1
		Milk Hygiene and Technology	4:2
		Meat Hygiene, Inspection and Technology	5:1
		Obstetric And Gynecology	4:2
		Radiodiagnostics	3:2
		Reproduction, Artificial Insemination and Andrology	4:1
		Special Veterinary Pathology	4:1
		Poultry Diseases	3:1
		Laboratory Animal Diseases	3:1
		Bee Diseases	3:1
		Virology	2:2
		Food Hygiene and Control	4:1
		Surgery	4:2
		Anesthesiology and Reanimation	4:1
		Equine Internal Medicine	4:2
		Internal Medicine Of Ruminants	4:2
		Pig Diseases	4:2
		Wild Animal Diseases	5:1
		Orthopedics and Foot Disease	5:1
		Internal Diseases of Cats and Dogs	4:1
		Preventive Medicine	5:1
		Animal Behavior and Animal Welfare	1:2
		Public Health	5:1
		Clinical Rotation	3:1-2, 4:1-2, 5:1-2
		Food Hygiene, Safety and Technology Rotation	5:2
		External Practice	2:2, 3:2, 4:2
		Graduation Thesis	5:2
		Fish Diseases	3:1
		Clinical Skills Laboratory Course	2:2

Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.15 Engage in self-audit and peer-group review processes on a regular Bases in order to improve performance	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Biochemistry	2:1
	Microbiology	2:2
	Immunology	3:2
	Toxicology and Environmental Science	4:1
	Pharmacology	3:2
	Food Hygiene and Control	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
1.16. Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Epidemiology	4:1
	Animal Husbandry	3:2
	General Pathology	3:2
	Propaedeutics I and II	3:1-2
	Toxicology and Environmental Science	4:1
	Zootechnics	2:1
	Obstetric And Gynecology	4:2
	Parasitology	2:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2

	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.17 Handle and restrain animal patients safely and with respect of the animal and instruct others in helping the veterinarian to perform these techniques	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Animal Behavior and Animal Welfare	1:2
	Veterinary Physiology	2:1
	Propaedeutics I and II	3:1
	Pharmacology	3:2
	Zootechnics	2:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
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1.18. Perform a complete clinical examination and demonstrate ability in clinical decision-making.	Propaedeutics	3:1-2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1

	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.19 Develop appropriate treatment plans and administer treatment in the interest of the animal under their care with regard to the resources available and to appropriate public health and environmental considerations	Pharmacology	3:2
	Toxicology and Environmental Science	4:1
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation 3:1-2, 4:1-2, 5:1-2	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
1.20 Attend in an emergency and perform first aid in common animal species*. Prioritise situational urgency and allocate resources accordingly	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1

	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.21 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Propaedeutics I and II	3:1-2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Zootechnics	2:1
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Orthopedics and Foot Disease	5:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Physics	1:1
	Biostatistics Applied to Veterinary	1:2
	Biochemistry	2:1
	Veterinary Histology	1:1-2
	Veterinary Physiology	2:1
	Herd Health Management	5:1
	Livestock Economics	3:2

	Microbiology	2:2
	Immunology	3:2
	Physiopathology	3:1
	General Pathology	3:2
	Veterinary Animal Nutrition and Nutritional Diseases	2:2
	Toxicology and Environmental Science	4:1
	Zootechnics	2:1
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Clinical Skills Laboratory Course	2:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history	Microbiology	2:2
	Immunology	3:2
	General Pathology	3:2
	Toxicology and Environmental Science	4:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1

	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Special Veterinary Pathology	4:1
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Clinical Skills Laboratory Course	2:2
1.24 Use basic diagnostic equipment and carry out an examination effectively as appropriate to the case, in accordance with good health and safety practice and current regulations. Understand the contribution of digital tools and artificial intelligence in veterinary medicine	Anatomy I and II	1:1-2
	Embryology	2:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Food Hygiene and Control	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Artificial intelligence	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Fish Diseases	3:1
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2

	Clinical Skills Laboratory Course	2:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.25 Recognise signs of possible notifiable, reportable and zoonotic diseases as well as abuse of animals and take appropriate action, including notifying the relevant authorities	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Toxicology and Environmental Science	4:1
	Obstetric And Gynecology	4:2
	Parasitology	2:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health 5:1	
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
1.26 Access the appropriate sources of data on information and legislation relating to animal care and welfare, animal movement, notifiable and reportable diseases, use of medicines, including responsible use of antimicrobials	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Pharmacology	3:2
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Parasitology	2:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Food Hygiene and Control	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1

	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.27 Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance	Pharmacology	3:2
	Obstetric And Gynecology	4:2
	Parasitology	2:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Animal Behavior and Animal Welfare	1:2
	Preventive Medicine	5:1
	Internal Diseases of Cats and Dogs	4:1
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
1.28 Report suspected adverse reactions through the appropriate channel	Toxicology and Environmental Science	4:1
	Pharmacology	3:2
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2

	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Internal Diseases of Cats and Dogs	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
	Animal Behavior and Animal Welfare	1:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.29 Recommend and evaluate protocols for biosecurity, and apply these principles correctly	Biochemistry	2:1
	Anatomy I and II	1:1-2
	Veterinary Histology	1:1-2
	Embryology	2:1
	Microbiology	2:2
	Immunology	3:2
	General Pathology	3:2
	Physiopathology	3:1
	Propaedeutics I and II	3:1-2
	Toxicology and Environmental Science	4:1
	Radiodiagnostics	3:2
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Androlog	4:1
	Parasitology	2:2
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Orthopedics and Foot Disease	5:1
	Internal Diseases of Cats and Dogs	4:1
	Preventive Medicine	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2

	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Clinical Skills Laboratory Course	2:2
1.30 Perform aseptic procedures appropriately	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Orthopedics and Foot Disease	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Animal Behavior and Animal Welfare	1:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.31 Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint.	Pharmacology	3:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Orthopedics and Foot Disease	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Animal Behavior and Animal Welfare	1:2
1.32 Prevent, assess, and manage pain	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Pharmacology	3:2
	Toxicology and Environmental Science	4:1
	Obstetric And Gynecology	4:2
	Reproduction, Artificial Insemination and Andrology	4:1
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Internal Diseases of Cats and Dogs	4:1
	Orthopedics and Foot Disease	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Animal Behavior and Animal Welfare	1:2
1.33 Recognise when euthanasia is appropriate and perform it with respect of the animal and its owners, using an	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1

appropriate method, with due regard to the safety of those present; advise on ethical and legal disposal of the carcass.	Bee Diseases	3:1
	Virology	2:2
	Surgery	4:2
	Anesthesiology and Reanimation	4:1
	Equine Internal Medicine	4:2
	Internal Medicine Of Ruminants	4:2
	Pig Diseases	4:2
	Wild Animal Diseases	5:1
	Internal Diseases of Cats and Dogs	4:1
	Orthopedics and Foot Disease	5:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Animal Behavior and Animal Welfare	1:2
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.34 Perform necropsy in all common animal species, including sampling, dispatching and reporting	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	General Pathology	3:2
	Parasitology	2:2
	Special Veterinary Pathology	4:1
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Necropsy and forensic medicine	5:1
	Fish Diseases	3:1
	Animal Behavior and Animal Welfare	1:2
1.35 Perform ante-mortem inspection of food-producing animals including paying attention to welfare aspects, systematic gross post-mortem examination, record observations, sample tissues, store and transport them	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Food Hygiene and Control	4:1
	Special Veterinary Pathology	4:1
	Clinical Rotation	3:1-2, 4:1-2, 5:1-2
	Fish Diseases	3:1
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2

1.36 Perform inspection of food and feed to correctly identify conditions affecting the quality and safety of products of animal origin, including related Food Technology (milk hygiene and technology 4:2) (Meat hygiene, inspection and technology 5:1)	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Special Veterinary Pathology	4:1
	Food Hygiene and Control	4:1
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
Day One Competence	Subject	Schedule in the Program (Year:Semester)
1.37 Protect public health by identifying conditions that are directly or indirectly related to animals, their products and by-products, when they contribute to the protection, conservation and improvement of human health	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Epidemiology	4:1
	Microbiology	2:2
	Immunology	3:2
	Parasitology	2:2
	Poultry Diseases	3:1
	Laboratory Animal Diseases	3:1
	Bee Diseases	3:1
	Virology	2:2
	Special Veterinary Pathology	4:1
	Food Hygiene and Control	4:1
	Preventive Medicine 5	5:1
	Animal Behavior and Animal Welfare	1:2
	Public Health	5:1
	Food Hygiene, Safety and Technology Rotation	5:2
	External Practice	2:2, 3:2, 4:2
	Graduation Thesis	5:2
	Fish Diseases	3:1
1.38 Advise on and implement preventive and eradication programmes appropriate to the disease and species, in line with accepted animal health, animal welfare, public health and	History of Veterinary Medicine, Professional Ethics and Veterinary Legislation	1:1
	Epidemiology	4:1
	Genetics	1:2
	Veterinary Physiology	2:1
	Zootechnics	2:1
	Pharmacology	3:2
	Obstetric And Gynecology	4:2
	Parasitology	2:2

environmental standards	health	Reproduction, Artificial Insemination and Andrology	4:1
		Poultry Diseases	3:1
		Laboratory Animal Diseases	3:1
		Bee Diseases	3:1
		Virology	2:2
		Food Hygiene and Control	4:1
		Special Veterinary Pathology	4:1
		Equine Internal Medicine	4:2
		Internal Medicine Of Ruminants	4:2
		Pig Diseases	4:2
		Wild Animal Diseases	5:1
		Internal Diseases of Cats and Dogs	4:1
		Preventive Medicine	5:1
		Animal Behavior and Animal Welfare	1:2
		Public Health	5:1
		Clinical Rotation	3:1-2, 4:1-2, 5:1-2
		External Practice	2:2, 3:2, 4:2
		Graduation Thesis	5:2
		Fish Diseases	3:1

**Annex 3 Maps of the FVM-EU and extra-mural facilities used in
the core veterinary program**

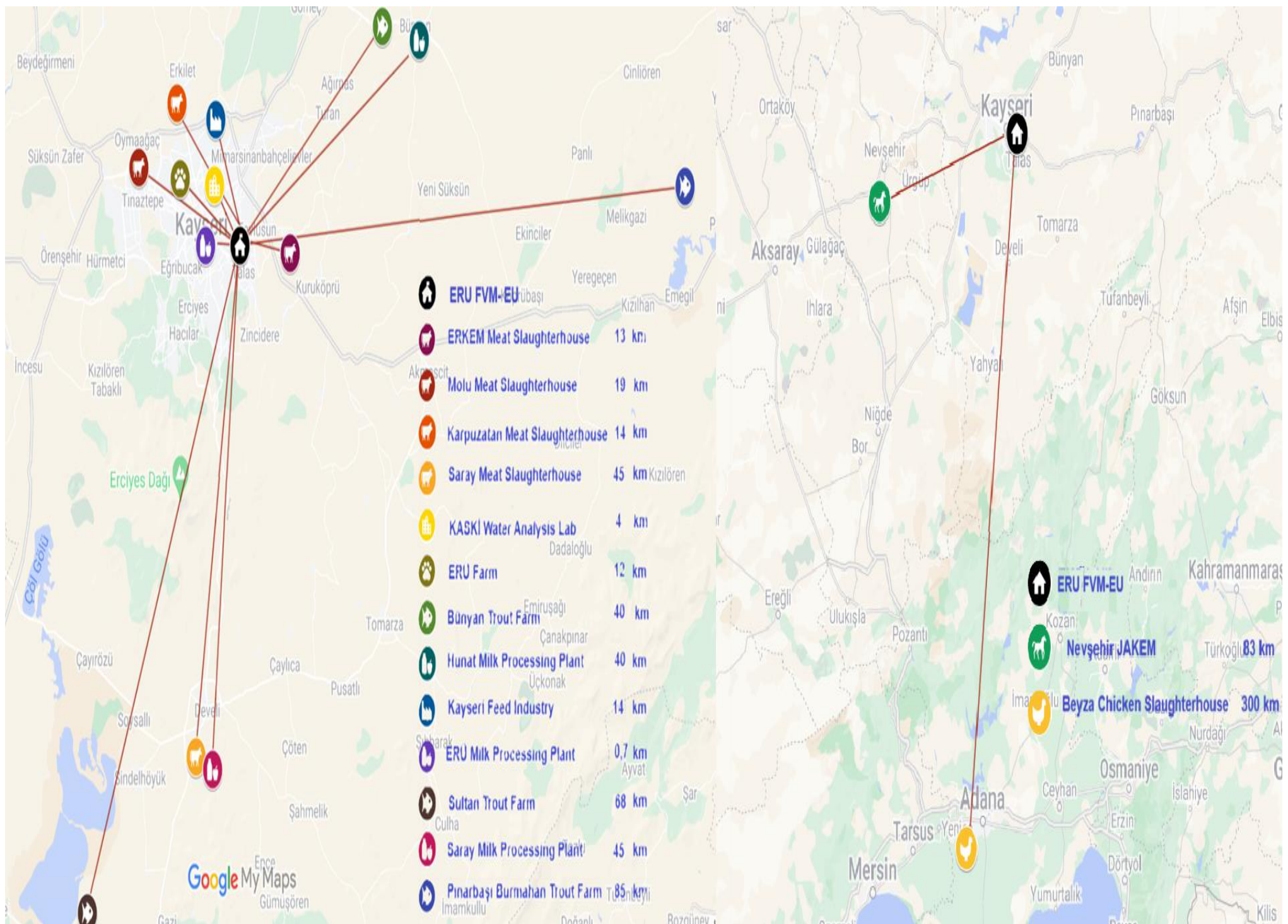
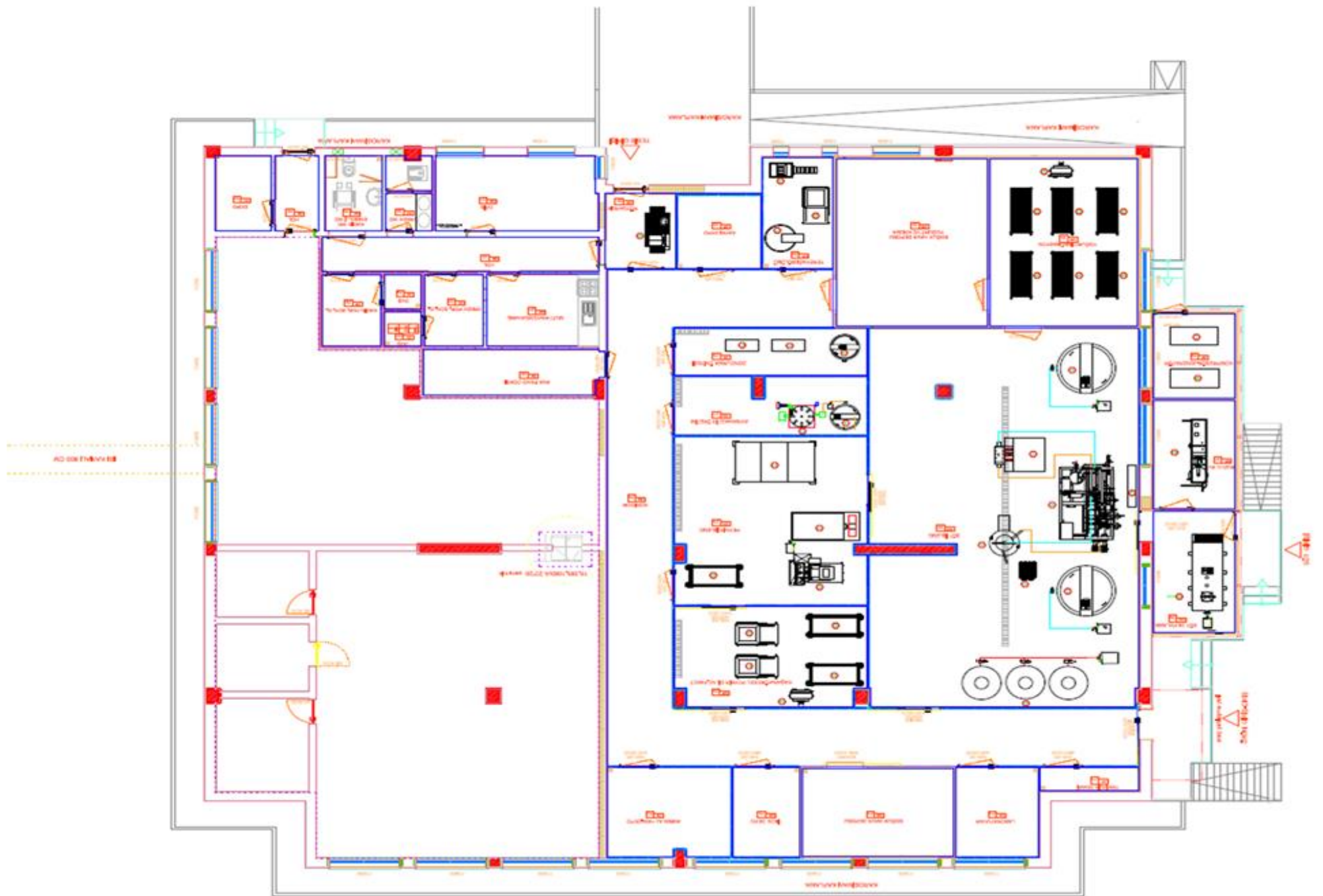
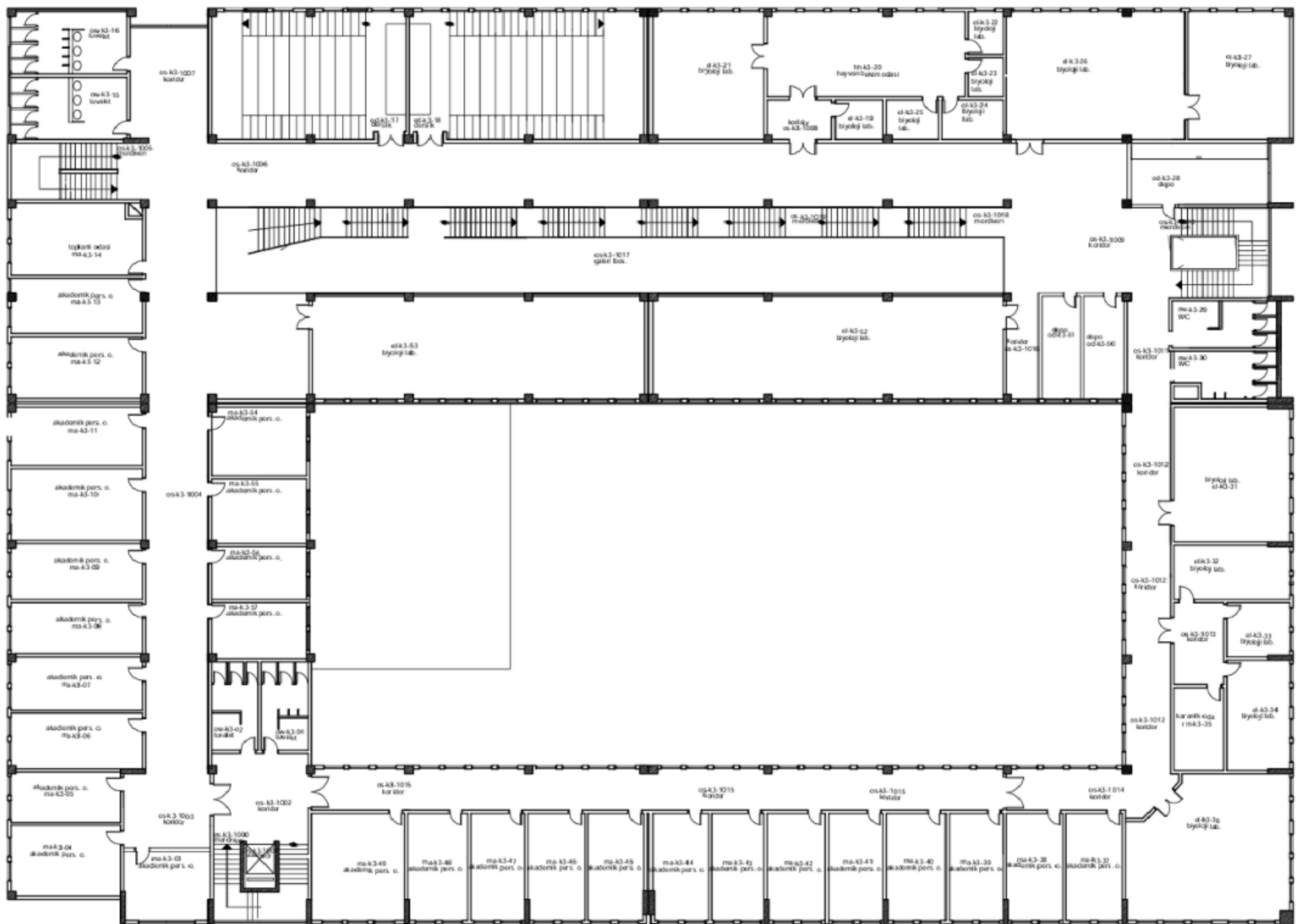


Figure1. Map of the extramural facilities used in the core veterinary program



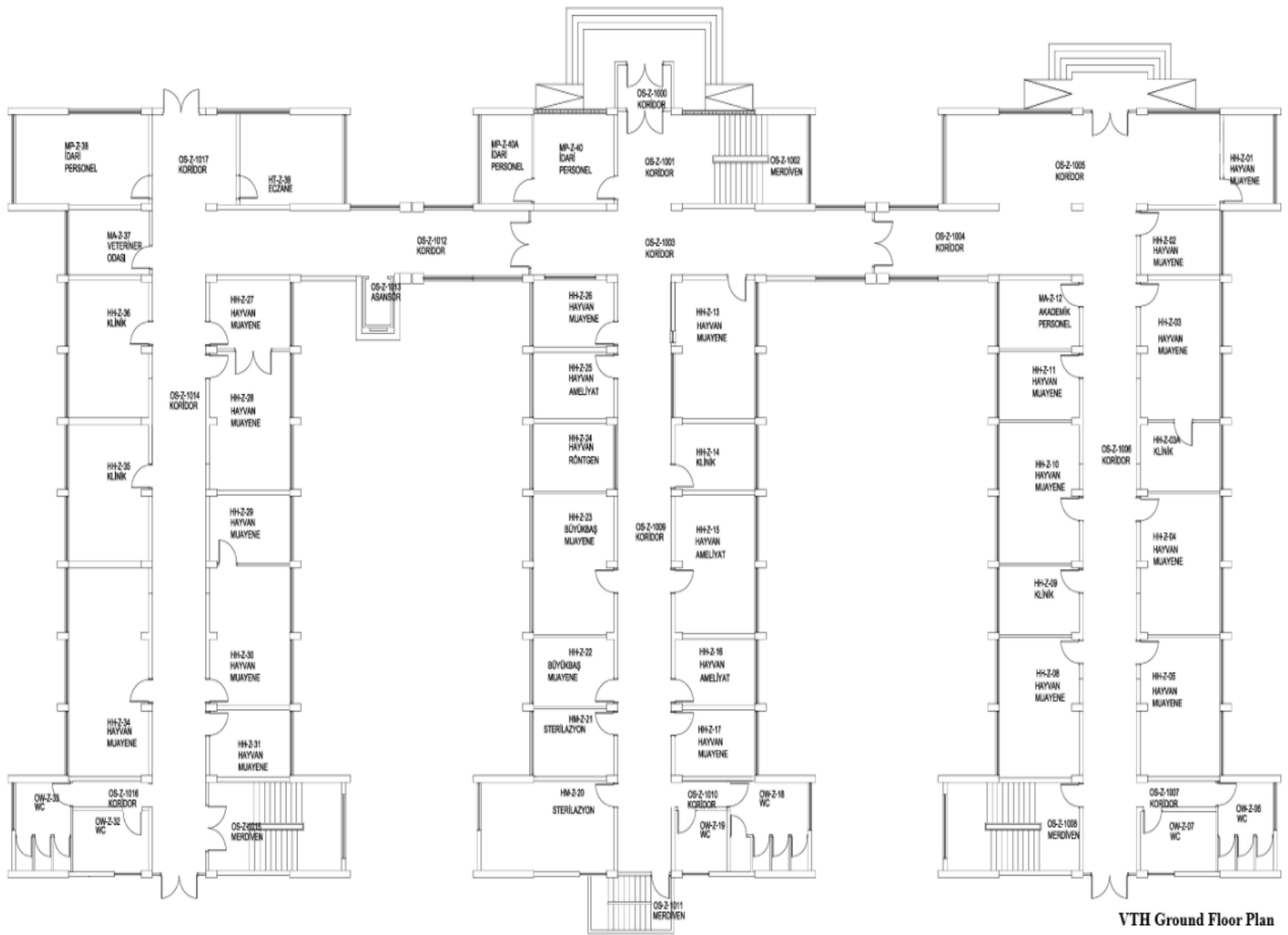
Pilot Milk Processing Plant

Figure 2. Pilot Milk Processing Plant



FVM-EU 3rd Floor Plan

Figure 7. FVM-EU 3rd Floor Plan



VTH Ground Floor Plan

Figure 8. VTH Ground Floor Plan



VTH 1st Floor Plan

Figure 9. VTH 1st Floor Plan

Annex 4.1. FVM-EU Unit Evaluation Report



FACULTY OF VETERINARY MEDICINE
ERCIYES UNIVERSITY
2023 Unit Evaluation Report

1 - SUMMARY

1.1- 1. Summary

This section should include brief information on the purpose, scope and preparation process of the report and summarise the main findings of the unit's self-assessment studies.+

Leadership and Governance

The Faculty has an administrative structure defined within the scope of the provisions of the Higher Education Law No. 2547 and the Regulation on Academic Organisation in Universities. The faculty's organisation chart, job descriptions, work flow charts and accreditation reports are available on the faculty web site. The Faculty receives feedback from internal and external stakeholders through various means (EBYS, petition, e-mail, CIMER, questionnaires and focus group interviews, these feedbacks are made by taking into account stakeholder participation, stakeholder opinions and suggestions. All administrative processes in the faculty are carried out in line with Erciyes University Quality Assurance Directive, within the framework of the relevant regulations, directives and principles of the University. In addition, the compliance of administrative processes with EAEVE and VEDEK criteria is ensured. Effective communication network has been established with the academic and administrative staff of the faculty through EBYS, e-mail, faculty web site, whatsapp groups and telephone.

The basic processes related to the Faculty curriculum, courses, assessment and evaluation, minimum competences, stakeholder participation, social contribution, internationalization, research and development, transparency, accountability, quality control and quality management systems have been planned and put into effect in a way to meet national (TYÇÇ, VUÇEP, VEDEK) and international (EAEVE) criteria. Meeting the national and international criteria has provided the Faculty staff with the experience of flexibility, clarity to innovations and adaptability to transformation.

Quality studies at the faculty are carried by the Quality Assurance System Commission. The commission is shaped by competent, productive, innovative and effective members who will represent the staff from all departments, titles and staff, including student and external stakeholder representatives.

Quality studies at the faculty are carried by the Quality Assurance System Commission. The commission is shaped by competent, productive, innovative and effective members who will represent the staff from all departments, titles and staff, including student and external stakeholder representatives

The mission, vision and policies of the faculty have been determined and these are available on the website and in unit reports. In the Faculty, the evaluation of performances the fields of quality assurance, quality control, education, research and development, and social contribution is carried out and developed on the strategic plan, annual report, BIDR, EAEVE and VEDEK indicators, TQF and VUÇEP qualifications.

In the Faculty of Veterinary Medicine, common EBYS, BAPSIS, PEYOSIS, EDUCATOR, ADVISOR, ATOSIS, ARBIS, AVESIS, YÖKSİS, OBİSİSİS, CATALOG etc. software developed by the University IT Department, as well as unit-specific software (VETOPRATİK and ERÜVETO) are used in the Faculty.

The faculty has basic administrative structures such as Registry, Personnel Affairs, Accrual Unit, Revolving Fund, Student Affairs, etc., and administrative personnel are assigned to these units. There are workflows and job descriptions of the personnel and this information is available on the website. Academic and administrative staff can submit their opinions and suggestions to the management through questionnaires, one-to-one interviews and petitions.

The main financial resources of the Faculty of Veterinary Medicine are the central budget, revolving fund and project budgets, and the management of financial processes is carried out within the framework of the relevant legislation.

Process management at the faculty is carried out by taking into account internal and external stakeholder feedback, and performance indicators related to the processes are updated every six months and sent to ERU BİDBN.

Internationalization processes at the faculty are managed, monitored and developed in line with the vision, mission, goals and policies. The faculty has effective communication with organizations such as ERASMUS and EAEVE, manage and monitor internationalization processes. The faculty carries out scientific research projects with national and international stakeholders.

B. EDUCATION and TRAINING

The Veterinary Medicine programme is designed by taking into account the mission, vision and basic principles and values of our University, TQF, VUÇEP, EAEVE and VEDEK indicators, regional and global requirements, and the opinions of employers and students. Updates related to the programmes are studied by the Education, Training and Coordination Commission in line with stakeholder feedback and sent to the Faculty Board for approval. The relevant updates enter into force after the ERU Senate Decisions.

The learning outcomes of the courses offered by the faculty and are updated in accordance with the VEDEK, EAEVE and VUÇEP criteria, and the mappings included in the course information packages. Course learning outcomes are monitored through the VETOPRATİK system.

Updates are made in the course information package of the courses in the curriculum in accordance with EAEVE, VEDEK and European Union criteria, based on the Turkish Higher Education Qualifications Framework and National Veterinary Core Education Programmes. The necessary updates in the catalogue program are made at the beginning of each semester by the

Faculty Catalogue Commission and Catalogue Officer in coordination with the Central Student Affairs. Course credits are organized within the scope of the criteria defined in the BOLOGNA process.

Courses at the faculty are carried out theoretically and practically. In theoretical courses, oral lectures, homework presentations, seminar presentations, demonstration and question-answer techniques are used, while in practical courses, case discussions are carried out together with practice and patient follow-up using the VETOPRATİK system updated according to the first day qualifications. Intern students have to do a Graduation Project in order to graduate. In applied courses, process-based assessment is carried out through the VETOPRATİK system and logbooks. Internship term is evaluated by internship notebooks filled by students and approved by the employer.

In our faculty, in line with EAEVE and VEDEK criteria for the education of students, theoretical courses are given in classrooms, practical courses are in student laboratories, necropsy practices are carried out in the necropsy room, as well as simulations in the Clinical Skills Laboratory, digital imaging integrated with microscope, remote sharing and digital transformation infrastructures are used. There are computer-aided integrated digital transformation systems in lecture theatres, classrooms, laboratories and hospitals.

Students' academic progress is monitored through the ÖBİSİS system and VETOPRATİK system. Advisors also monitor students' academic and other progress.

Faculty students benefit from the computer room, library, student club rooms, Mehmet Akif Ersoy Conference Hall and cafeteria in the Faculty as well as the campus facilities. Our faculty has received a barrier-free campus certificate. Scientific, cultural and artistic activities are organised regularly every year at the Faculty, as well as various social, cultural and sportive activities, and these activities are carried out by the Culture and Art Organisation Commission.

Appointment and promotion processes of the faculty are carried out within the framework of Erciyes University Appointment and Promotion Criteria. Meetings are held with the Education, Training and Coordination Commission related to the teaching competences and development of the faculty members.

RESEARCH and DEVELOPMENT

The management of research processes at the faculty is based on Annual Reports, Strategic Plan and BIDR data. Additionally, departmental Academic Board Meetings, data obtained from BAPSIS, academic incentive application data, national and international rankings are utilized. In order to manage research processes effectively, faculty members and staff of the Faculty participate in various courses, symposiums and trainings organized by the University and the unit.

Within the scope of research and development activities in the faculty, the largest share in budget creation is provided by ERU BAP Unit, but budget support is also received from TÜBİTAK, KOSGEP and national project support programmes. R&D activities carried out in the faculty are carried out and supervised within the scope of Erciyes University Scientific Research Application Directive.

There are 18 Master's and 15 Doctorate programmes opened by the Faculty Departments within the Institute of Health Sciences.

In our faculty, various opportunities to maintain and improve the scientific research competence of faculty members, staff and researchers. Within the framework of research collaborations, exchange programmes such as ERASMUS, congresses, conferences, seminars, etc. are held in the Faculty; financial support is provided for participation in these activities.

Monitoring and evaluation of research performances at the Faculty is on the monitoring reports of the Dean of Research and Scientific Research Project Unit, unit Annual Reports, Strategic Plan and BIDR data. In addition, Department Academic Board meetings, Academic Incentive Application, national and international rankings are utilised.

SOCIAL IMPACT

The knowledge, skills and experiences produced at the faculty are shared with the society through congresses, scientific publications, meetings, events for professional special days, journals (EÜVF Journal and POZİTİVET) web sites (Strategic Plan, Annual Report, BIDR). In the animal hospital, animal health services are provided to Kayseri and neighbouring provinces with a 7-24 service understanding. In addition to professional activities, social, cultural and sportive activities are also carried out regularly every year at the faculty. The activities carried out to contribute to the society are organised by the Culture, Art and Organisation Committee. Monitoring and evaluation of the social contribution performance of the faculty is on FR, SP and BIDR data. In addition, some national and international rankings are utilised.

2 - INFORMATION ABOUT THE ORGANISATION

2.1- 1. Information about the Institution

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Assurance Commission: Prof. Dr.

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Prof. Dr. Öznur ASLAN

Prof. Dr. Seçil ABAY

Prof. Dr. Yeliz YILDIRIM

Prof. Dr. Zafer GÖNÜLALAN

Assoc. Prof. Dr. Aykut GRAM

Assoc. Prof. Dr. Hanifi EROL

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Lecturer Dr. Elif ÇELİK GÜRBULAK

Lecturer Dr Esmâ Gamze AKSEL

Lecturer Dr. Gencay EKİNCİ

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Prof. Dr. Gökhan ERASLAN

Prof. Dr. Feride KOÇ

Prof. Dr. Feyzullah BEYAZ

Assoc. Prof. Dr. Kanber KARA Lecturer. Burak Rahmi YALÇIN

Lecturer Baki MURATOĞLU

COMMUNITY IMPACT SECTION

Assoc. Dr. Çağrı Çağlar SİNMEZ Lecturer Dr. Ali Erdem ÖZTÜRK

Lecturer. Dr Prof. Dr. Gencay EKİNCİ

Research Assist. Ali İlteriş AYKUN Research Assist. Mukaddes BAREL

Lecturer Dr. Sadullah USLU

Erhan DURMAZ

2.2- 2. Contact Information

Erciyes University Faculty of Veterinary Medicine

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Telephone : 0352 339 94 84

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Facebook : <https://www.facebook.com/eruVeterinerFakultesi/>

Youtube : https://www.youtube.com/channel/UCxTo_OynsHsvry6wKGS7eog

2.3- 3. Historical Development

The establishment process of Erciyes University (ERU) started with Gevher Nesibe Faculty of Medicine in 1968, continued with Kayseri Faculty of Business Administration (1977), and was completed under the name of Kayseri University with the law dated 07.11.1978 and numbered 2175. Kayseri University first incorporated Kayseri Higher Islamic Institute, which was established in 1967, under the name of Faculty of Theology, and then Kayseri State Academy of Architecture and Engineering, which was established in 1977, under the name of Faculty of Engineering, and became Erciyes University in 1982.

ERU Faculty of Veterinary Medicine (ERUVF) was established with the law dated 03.07.1992 and numbered 3837. Prof. Dr. Nejat AYDIN was appointed as the founding dean of the faculty (1995-2001). In the following periods, Prof. Dr. Tayfur BEKYÜREK (2001-2004 and 2007-2010), Prof. Dr. İsmail Hakkı NUR (07.09.2004-07.09.2007) Prof. Dr. Halit CANATAN (28.03.2011-06.09.2013) and Prof. Dr. İhsan KELEŞ (09.09.2013- 15.11.2017) carried out the deanship duties. Since 16.11.2017, Prof. Dr. Abdullah İNCİ has been serving as the dean.

The faculty consists of two parts, the main building and the hospital building. 8 classrooms, 1 reading room, 9 student practice laboratories, 1 computer laboratory, 4 student skill laboratories, 28 research laboratories, 4 seminar halls, 2 conference halls and research laboratories of each department in the main building of ERUVF. The Faculty provides education, research and social contribution services in two main units. There are 5 different departments within the faculty: Basic Sciences, Pre-Clinical Sciences, Clinical Sciences, Animal Husbandry and Animal Nutrition, and Food Hygiene and Technology. In these departments and 23 departments affiliated to these departments, there are a total of 83 academic staff (42 professors, 12 associate professors, 15 doctoral lecturers, 11 research assistants and 3 lecturers) and 51 administrative and technical staff, and education, research and social contribution services are provided with our existing personnel.

The faculty consists of two parts, the main building and the hospital building. 8 classrooms, 1 reading hall, 9 student practice laboratories, 1 computer laboratory, 4 student skill laboratories, 28 research laboratories, 4 seminar halls, 2 conference halls and research laboratories of each department in the main building of ERUVF. The faculty provides education, research and social contribution services in two main units.

The faculty has a very dynamic structure in the field of national and international research activities. In this context, 30 completed and 141 ongoing research projects, 85 international articles, 34 national articles, 46 international papers, 18 national papers and 10 book publications were published in 2023. In 2023, 34 scientific, educational, social, cultural and cultural activities were carried out in the fields of informing the society, post-graduation education, continuous education, stakeholder relations, personal and professional development for staff and students.

Like Erciyes University, the Faculty completed its branding by successfully completing the national and international accreditation processes in which it is involved. In this context, the Faculty was fully accredited to "EAEVE" in December 2021 and to VEDEK on 05 March at the beginning of 2022.

The defined activities carried out at the Faculty are carried out with the institutional appropriation, revolving fund revenues and donations provided by our University. In this context, the Faculty 52,502,921.60 TL institutional appropriation and 7,065,670.40 TL revolving fund income in 2023.

The Faculty of Veterinary Medicine will further develop its mission in the fields of education, research, animal health and contribution to society in the future.

2.4- 4. Mission, Vision, Values and Objectives

Our Mission;

To provide a continuously updated, scientific research and evidence-based education; to produce intellectual and prestigious graduates who protect animal, human and environmental health, are competent in their field, are aware of the need for lifelong learning, observe ethical values, conduct research using advanced technology, share knowledge and experience through various educational and professional consultancy activities, to a professional and continuing education centre in line with the ever-changing needs and expectations of society as a national and international source of specialized knowledge. By providing a continuously updated, scientific research and evidence-based education; to provide intellectual and prestigious graduates who are competent in their field, aware of the necessity of lifelong learning, observing ethical values, protecting ANIMAL, HUMAN AND ENVIRONMENTAL HEALTH, conducting research using advanced technology, sharing knowledge and experience through various educational and professional consultancy activities,

To be a professional and continuing education center in line with the ever-changing needs and expectations of the society as a source of national and international specialized knowledge.

Our Vision;

As one of the leading veterinary faculties in Turkey, guide veterinary medicine education and research with a broad and holistic perspective by cooperating with national and international centres, considering the rational use of resources, offering alternative solutions to global problems, capturing teamwork, and developing the tradition of quality and democracy,

To train innovative, rational and principled veterinarians who are sensitive to the animal husbandry policies of our country, who comply with Veterinary Medicine Professional Ethics and Deontology, who attach importance academic merit and success, who comprehend the integrity of human, animal and environmental health in accordance with the single health concept, who the universal principles of science, who protect animal health and welfare, and who leaders,

With more than a quarter century of experience in veterinary medicine education; advanced technological modern comprehensive and comparative education; advanced technological application and research infrastructure with digital and simulation, fully automated modern integrated animal hospital and advanced social and sports facilities, graduates ready for international competition, easy employment, strong international collaborations and accreditations, to provide education and training services in the modern sense,

As one of the leading veterinary faculties in Turkey, to guide veterinary medicine education and research with a broad and holistic perspective by cooperating with national and international centres, considering the rational use of resources, offering alternative solutions to global problems, capturing teamwork, developing the tradition of quality and democracy

Objectives :

To maintain Erciyes University's position in Category A1 (Universities with High Research Performance) and to make institutional contribution to the goal of being among the top 500 universities,

Maintain our existing international (EAEVE) and national (VEDEK) full accreditation,

To be a branded Faculty in the fields of education, research-development,
social contribution and internationalisation,

To bring qualified students who are at the top level in the ÖSYM success
ranking to the Faculty,

To train Veterinarians trained at international standards who have the ability to apply their professional knowledge acquired during their education, especially in health units and other areas of public and private institutions of our country, who attach importance international cooperation, who constantly innovations, who animals at world standards, who attach importance to food-feed safety and who contribute the national economy by producing services in accordance with the concept of "one medicine, one health".

3 - A. , AND QUALITY

3.1- A.1. Leadership and Quality

A.1.1. Governance Model and Administrative Structure

The Faculty has an administrative structure within the scope of the provisions of the Higher Education Law No. 2547 and the Regulation on Academic Organisation in Universities. In this context, academic and administrative functions the Dean, Vice Deans, Faculty Secretary, Faculty Secretary, Faculty Administrative Board, Faculty Board, Department Heads, Department Heads, Hospital Chief Physician, Hospital Directorate, , as can be seen in the faculty organisation chart of the faculty are carried out by Commissions, Committees and Coordinatorships. The faculty's organisation chart, job descriptions and work flow charts, EAEVE and VEDEK reports are available on the faculty web site. The members of the faculty commissions, committees and coordinatorships are formed in a way to include members from every department, staff and title, taking into account the principle of polyphony. Requests, opinions and suggestions made to the Faculty by internal and external stakeholders are received through various means (EBYS, petition, e-mail, CIMER questionnaires, focus group interviews. These requests are evaluated by the relevant board committees and commissions according to the content of the request. Final decisions are made by the Faculty Board and the Faculty Executive Board and notified to the relevant institutions and persons. Decisionmaking processes are carried out by taking into stakeholder participation, stakeholder opinions and suggestions. In this context, stakeholder representatives (including students) are present in various commissions and their opinions and suggestions are received through these meetings. Stakeholder opinions and feedback can be obtained through surveys, focus group discussions, social media accounts, Faculty Google Mapcomments , CIMER and petitions submitted to the institution, in addition to stakeholder representatives in the commissions the received feedback is evaluated in the relevant boards and commissions and used to improve the processes. In decision-making and other processes, VEDEK, EAEVE, Ministry of Agriculture, TÜRKAK, Faculty Internal Control Commission, Quality Commission reviews and meetings, Department, Department and Faculty Academic Board Decisions are utilized. In this context, 23 Department and 6 Faculty Board Decisions, 64 Faculty Executive Board Decisions and 38 commission meetings in 2023. Personnel job descriptions and workflows have been created at the Faculty, and job descriptions and workflows are updated when necessary (job change, title change, new personnel employment, etc.). New workflows are created in line with the opinions and suggestions of stakeholders and evaluator institutions, and existing workflows and job descriptions are updated.

Evidence :

Organisation chart	: https://veteriner.erciyes.edu.tr/tr/organizasyon-semasi
Faculty management	: https://veteriner.erciyes.edu.tr/tr/y/yonetim/fakulte-yonetimi
Faculty Board	: https://veteriner.erciyes.edu.tr/tr/y/yonetim/fakulte-kurulu
Faculty Executive Board	: https://veteriner.erciyes.edu.tr/tr/y/yonetim/yonetim-kurulu
Heads of departments and divisions	: https://veteriner.erciyes.edu.tr/tr/bolum-ve-baskanliklar
Boards and commissions	: https://veteriner.erciyes.edu.tr/yonetim/komisyonlar?title=komisyonlar
Job descriptions (Administrative)	: https://veteriner.erciyes.edu.tr/tr/gorev-tanimlari-idari
Terms of Reference (Commissions)	: https://veteriner.erciyes.edu.tr/tr/gorev-tanimlari-komisyonlar
Flow Charts	: https://veteriner.erciyes.edu.tr/tr/is-akis-semalari-is-akis-semalari
Instructions	: https://veteriner.erciyes.edu.tr/tr/talimatlar-talimatlar
Procedures	: https://veteriner.erciyes.edu.tr/tr/prosedurler-prosedurler
Strategic Plan Evaluation Report	: https://veteriner.erciyes.edu.tr/tr/birim-stratejik-raporu

A.1.2. Leadership

Erciyes University has received institutional accreditation by YÖKAK for 5 years as of July 2021 and academic and administrative procedures carried out at the university and the faculty are carried out in accordance with the Erciyes University Quality Assurance Directive prepared within the framework of the provisions of YÖKAK Quality Assurance System. In addition, with the high motivation of the faculty management, EAEVE in December 2021 and VEDEK accreditation visits in February 2022, and as of 2022, it has succeeded in obtaining national and international full accreditation. These achievements have been realized through practices based on participation and transparency. In order to make joint decisions in the management process between the different units included in the organizational structure of the faculty; department, board and commission meetings are held at the stages of cooperation, coordination, approval, monitoring, etc. Care is taken to ensure that each department has a representative in the membership of commissions, boards and committees, and attention paid to ensure a wide variety of faculty members and staff in the commissions.

An effective communication network has been established with the academic and administrative staff of the faculty through EBYS, e-mail, faculty web site, whatsapp groups and telephone. Requesting personnel can communicate with the management individually. Representative faculty members in the Faculty Board and the Board of Directors convey their opinions and suggestions to the management at the relevant meetings. Student representatives also convey their opinions and suggestions to the management through meetings they attend as representatives, surveys, social media tools and student representatives and/or small student groups. They have undertaken various duties in Erciyes University and non-university institutions: In addition to their duties, authorities and responsibilities in the faculty defined in the Higher Education Law No. 2457, the personnel in the Faculty of Veterinary Medicine.

They have undertaken various duties in

Erciyes University and non university

institutions:

Prof. Dr. Abdullah İNCİ - ERÜ ERVEK

Member

Prof. Dr. Alparslan YILDIRIM - ERU BAP Coordinatorship, ERVEK Manager Prof.

Dr. Bilal AKYÜZ - ERU Institute

of Health Sciences Directorate

Prof. Dr. Erdal YILMAZ - ERU

DEKAM Deputy Director

Prof. Dr. Gültekin ATALAN - ERU HADYEK Chairman Expert

Prof. Dr. Murat KANBUR - ERU ERFARMA Board Member, ERVEK Member, ERU Quality

Commission Member, EAEVE Expert

Prof. Dr. Önder DÜZLÜ ERU BAP Scientific Commission Member

Prof. Dr. Vehbi GÜNEŞ- ERU DEKAM Director, ERU HADYEK member, Health Sciences Scientific Research and Publication

Ethics Committee Member Assoc. Prof. Dr. Çağrı Çağlar SİNMEZ - ERÜ HADYEK Member

Assoc. Prof. Dr. Davut BAYRAM - ERÜ ERÜTAM Board Member

Lecturer Dr Muhammet Kaan YÖNEZ - ERÜ ERÜTAM Board of Directors

Research Assist. Mukaddes BAREL - Rectorate Dining Halls Meat Sample

Control Officer. Faculty staff Faculty Member Veterinarian Mustafa ERMIŞ-

ERU DEKAM Responsible Veterinarian,

Evidence : [Research Centres](#)

In 2023, 5 Quality Commission meetings, 6 Faculty Board and 64 Faculty Executive Board meetings were held in the Faculty. In addition, meetings were held by commissions closely related to quality studies (Biosafety Commission 1, Assessment and Evaluation 2, Internship 9, Curriculum Preparation Commission 1, EAEVE Expert Commission 12 meetings).

A.1.3. Unit conversion capacity

The basic processes related to the Faculty curriculum, courses, first day skills and first day competencies to be gained in the courses, measurement and evaluation criteria, minimum education and training areas and equipment, stakeholder participation, social contribution, internationalization, research and development, transparency, accountability, quality control and quality management systems have been planned and put into effect to meet national (TQF, VUÇEP, VEDEK) and international (EAEVE) criteria. The Faculty staff has gained experience in flexibility, openness to innovations and adaptability to transformation by meeting the national and international criteria. Faculty has unique practices such as the existence of 3 internship periods, semester and module-based curriculum, threshold system, directives, qualitative and quantitative diversity of commissions, institution-specific automation systems (VETOPRATIC, CENTRAL SMS INFORMATION SYSTEM, HOSPITAL AUTOMATION).

High motivation of the faculty staff, defined processes (workflows and job descriptions) and process management mechanisms (boards, committees and commissions), national and international accreditations, Ministry of Agriculture, TÜRKAK and Internal Audits have the accumulation and self-confidence to ensure transformation to national and international criteria and to its achievements.

<https://veteriner.erciyes.edu.tr/tr/haber-detay/ivsa-kayseriye-ziyaret>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/danimarka-ivsa-etkinligi-gerceklestirildi>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/slovakya-ivsa-etkinligi-gerceklestirildi>

<https://veteriner.erciyes.edu.tr/tr/yonergeler-ve-uygulama-esaslari>

Stakeholder opinions of the faculty are received through surveys, Google, Facebook, stakeholder meetings, e-mail, CIMER, petition. Computer-aided integrated digital transformation systems in the classrooms, laboratories and hospital of the faculty have been updated by adding new modules (patient hospitalisation module, purchasing, pharmacy request module).

Within the scope of the internal functioning of the faculty, updates have been made in the boards, chairmanships (Faculty Board, Board of Directors, Department Heads, Department Heads) and commissions (creation of new commissions, changes in commission memberships, etc.), and a generalised management approach has been adopted in this way.

A.1.4. quality assurance mechanisms

Quality studies at the faculty are basically carried out by the Quality Assurance System Commission. The commission is shaped by competent, productive, innovative and effective members who represent all departments, titles and staff, including student and external stakeholder representatives. When necessary (title, staff change, resignation), updates made in the commission members. The job descriptions of the commission were created and published on the faculty web site. Among the duties and authorities of the commission; Preparation of the Annual Report, Strategic Plan, KİDR report preparation of action plans by determining the situation and informing the staff on issues related to the field. In this direction, information, document retrieval and evaluation processes are carried out by applying to quality control units with the coordination of the Faculty Board of Directors and the Quality Commission. The decisions taken by the Commission are reported to the Dean's Office and the necessary arrangements are made and the processes are followed up. In 2023, the Quality Assurance System held 5 meetings and made some suggestions and these suggestions were evaluated in the improvement of defined processes.

Assoc. Prof. Dr. Aykut GRAM's application for EAEVE auditing has been accepted and the training process ongoing.

Prof. Dr. Murat KANBUR, the chairman of the Quality Assurance System Commission, is an ERU Unit Internal Evaluator and has a YÖKAK auditor certificate.

Prof. Dr. Yeliz YILDIRIM is an EAEVE auditor and continues to serve as EAEVE coordinator.

Prof. Dr Murat KANBUR is the EAEVE auditor.

Prof. DrVehbi GÜNEŞERÜ, Faculty Member of the of, continues to serve as the director of DEKAM.

Regular meetings by the EAEVE Coordinator and the Chairman of the Quality Assurance Commission in order to provide young faculty members with information about EAEVE and VEDEK accreditations and to encourage them to apply for accreditation team membership. Since the Quality Assurance Commission is an umbrella commission, the studies carried out in different commissions are re-examined in the quality commission and these studies revised according to certain standard practices and formats. Thus, it is ensured that the reports prepared are more accurate and effective.

<https://veteriner.erciyes.edu.tr/tr/gorev-tanimlari-komisyonlar>

<https://veteriner.erciyes.edu.tr/tr/akreditasyonlarimiz>

A.1.5. Informing the public and accountability

Announcements about current meetings and developments are made on the Faculty website and Facebook address. In addition, workflows and job descriptions, hospital services, educational activities (course list, syllabus, course contents and teaching outcomes) are shared on the Faculty website. The quality and sustainability of our services are regularly examined through Faculty Reports (BİDR, FR, SP, EAEVE and VEDEK Reports), Finance audits, Ministry of Agriculture hospital and laboratory audits. Scientific studies conducted by the faculty members and staff are published in Erciyes University Veterinary Faculty Journal of and other national and international journals. In 2023, Faculty researchers prepared 85 International Articles, 34 National Articles, 46 International Proceedings, 18 National Proceedings, 10 Books, 193 publications in total. The Faculty published press releases on issues related to the field of veterinary medicine (One Health, World Veterinary Medicine Day, Milk Day, etc.). Animal Protection Day, Mehmet Akif Ersoy commemoration day, etc. public meetings and information on the website. In this context, 56 scientific, social and cultural events at the Faculty in 2023 were organized .

Public information is also through primary and secondary education to the Faculty visits and informative seminars organised by the Faculty at schools and other institutions. <https://veteriner.erciyes.edu.tr/>

[https://www.facebook.com/eruVeterinerFak](https://www.facebook.com/eruVeterinerFakultesi/)

ultesi/

<https://dergipark.org.tr/tr/pub/ercivet>

<https://veteriner.erciyes.edu.tr/tr/birim-stratejik-raporu>

Information also provided to public representatives through stakeholder representatives in the commissions and boards of the Faculty (advisory board, FO, SC, SC Commission, Education and Training Commission, Stakeholder Commission). Within the scope of accountability, surveys are conducted with the and stakeholders of the Faculty and the feedback collected as a result of the evaluation of these surveys is used in improvement studies. In 2023, 26 petitions and 39 Cimer petitions were evaluated in this context. Within the framework of the activities and social contribution activities carried out at the Faculty, various meetings and events are also held for internal and stakeholders. In this context, the "2nd ERU Faculty of Veterinary Medicine Alumni Meeting" event was organised and announced on the Faculty web page. Various cultural and by the Science, Culture and Art Student Community (IVSA) of the Faculty of Veterinary Medicinein 2023 scientific activities were organised . TUBITAK 2209-A/B Project Writing TrainingCareer Opportunities Zoom Seminar trainings were organised by DeanErciyes University Research 's Office.

1 - ERUVETO

2 - VETOPRATIC

3 DECISIONS

- 4 DECISIONS
- 5 DECISIONS
- 6 - Department surveys
- 7 - Quality Commission
- 8 SYSTEM
- 9 - Curriculum Preparation Committee
- 10- Quality Commission
- 11- AUTOMATION
- 12- AUTOMATION
- 13- AUTOMATION
- 14- AUTOMATION
- 15- Visits
- 16- Quality Commission
- 17- Kal. Security Committee.
- 18- 2023 REPORT
- 19- EAEVE Audit
- 20- Quality Commission
- 21- Audit Book
- 22- 2023 Annual Report
- 23- Bap Projects
- 24- survey
- 25- Publication and citation sales
- 26- 2023 Project Data

3.2- A.2. Mission and Strategic Objectives

A.2.1. Mission, vision and policies

Our mission to provide a continuously updated, scientific research and evidence-based education; to produce intellectual and prestigious graduates who protect animal, human and environmental health, are competent in their field, are aware of the need for lifelong learning, observe ethical values, conduct research using advanced technology, share knowledge and experience through various educational and professional consultancy activities, to be a professional and continuing education centre in line with the ever-changing needs and expectations of society as a national and international source of specialised knowledge. By providing a continuously updated, scientific research and evidence-based education; To provide intellectual and prestigious graduates who protect ANIMAL, HUMAN AND ENVIRONMENTAL HEALTH competent in their field are aware of the necessity of lifelong learning observe ethical values conduct research using advanced technology, share knowledge and experiences through various educational and professional consultancy activities, To be a professional and continuing education centre in line with the ever-changing needs and expectations of society as a national and international source of specialised knowledge;

Our vision; one of the leading veterinary faculties in Turkey, by cooperating with national and international centres, considering the rational use of resources, offering alternative solutions to global problems, capturing teamwork, developing the tradition of quality and democracy; guide veterinary medicine education and research with a broad and holistic perspective, To train innovative, rational and principled veterinarians who are sensitive to the animal husbandry policies of our country, who comply with Veterinary Medicine Professional Ethics and Deontology, who attach importance academic merit and success, who comprehend the holism of human, animal and environmental health accordance with the single health concept, who the universal principles of science, who protect animal health and welfare, and who are leaders, innovative, rational and principled veterinarians, With more than a quarter century of experience in veterinary medicine education; To provide education and training services in the modern sense with its advanced technological contemporary comprehensive and comparative education, advanced technological application and research infrastructure with digital and simulation, fully automated modern integrated animal hospital and advanced social and sports facilities, graduates ready for international competition, easy employment, strong international collaborations and accreditations, with national and international centres as one of the leading veterinary faculties in Turkey, considering the rational use of resources, offering alternative solutions to global problems, capturing teamwork, developing the tradition of quality and democracy; To guide veterinary medicine education and research with a broad and holistic perspective Objectives: To maintain Erciyes University's position in Category A1 (Universities with High Level Research Performance) and to make an institutional contribution to the goal of being among the top 500 Universities To maintain our current international (EAEVE) and national (VEDEK) full accreditation To be a branded Faculty in the fields of

education, training, research and development, social contribution and internationalisation To bring qualified students who are at the top level in ÖSYM success ranking to the Faculty, The Faculty has a defined Quality Assurance System and policy, which is shared with internal and external stakeholders, to train Veterinarians trained at international standards, who have the ability to perform on the basis of application in public and private institutions of our country, especially in health units and other fields, importance to international cooperation, constantly innovations, animals at world standards, attach importance to food-feed safety and contribute to the national economy by producing services in accordance with the concept of "one medicine, one health". All defined processes including quality assurance are prepared and developed by taking stakeholder opinions (focus group discussions, commission meetings with stakeholder representatives, E-mail and CIMERsurveysGoogle commentsstakeholder visits, etc.The Faculty has defined, measurable, transparent and accountable education and training, research and development, social contribution, governance system and internationalisation policies, and these processes have been prepared to include quality assurance policy practices, EAEVE and VEDEK accreditation criteria, Higher Education Basic Qualifications Framework (TYYÇ) and Core Education Programme (VUÇEP) qualifications.

<https://veteriner.erciyes.edu.tr/tr/misyon-ve-vizyon>

A.2.2. Strategic aims and objectives

Our aims are provide intellectual and prestigious graduates who are competent in their field, aware of the necessity of lifelong learning, aware of the need for lifelong learning, observing ethical values, protecting animal, human and environmental health within the framework of the single health concept by providing continuously updated scientific research and evidence-based education; to conduct research using advanced technology, to share knowledge and experience through various educational and professional consultancy activities; to be a professional and continuing education centre in line with the ever-changing needs and expectations of society as a national and international source of specialised knowledge. As one of the leading veterinary faculties in Turkey, our goal is to guide veterinary medicine education and research with a broad and holistic perspective within the framework of single health; to cooperate with national and international centres, to observe the rational use of resources, to offer alternative solutions to global problems, to based on teamwork, to develop a tradition of quality and democracy. The Faculty constantly exchanges views with internal and external stakeholders order to achieve the stated goals and objectives, and institutional and social benefits are provided through protocols. In 2023, 4 more external stakeholder agreements were made and the number of external stakeholders was increased. In addition, the Rectorate of Erciyes University very important contributions to the Faculty's achievement of its goals and objectives with the studies they carry out (trainings and other activities on issues such as Quality, Survey Studies, Education-Training and Hybrid Education). In 2023, the Health and Safety Committee met 4 times, Quality Commission 5 times and the Measurement and Evaluation Commission 2 times. The strategic goals and objectives of the Faculty are stated under 6 main headings and shared with the public: 1) To increase the quality of teaching and ensure continuous improvement - To increase the number of inter-institutional and graduate programmes - To be accredited by national and international accreditation bodies - To encourage the participation of academic staff in education programmes - To follow and participate in training of trainers and assessment and evaluation programmes - To increase the number of students participating in national and international exchange programmes 2) To develop a corporate quality culture 3) To ensure continuous physical improvement and modernisation in the institution 4) To gain an international identity in scientific research and technology development, to among the leading institutions 5) To increase the effectiveness of community service activities 6) To establish an environmentally sensitive faculty understanding and to develop social responsibility awareness.

In order to achieve the strategic activities specified in the faculty, 19 activities (meetings with internal and external stakeholder participation, agreements with internal and external stakeholder contributions) were carried out. Scientific research and project activities are given due importance in the faculty and there are 141 projects for 2023. 32 of these projects have been completed and the total amount of the projects is 11,150,746 TL.

A.2.3. Performance management

At the faculty, the evaluation of performances in the fields of quality assurance, quality control, education-training, research-development and social contribution is carried out and developed based on the strategic plan, annual report, BIDR, EAEVE and VEDEK indicators, TQF and VUÇEP qualifications. The indicators in the aforementioned reports are evaluated by the relevant commissions, committees and boards, opinions and suggestions are made, and submitted to the management for action. The Quality Commission, the Faculty Board and the Faculty Executive Board are primarily responsible for the evaluation of quality assurance and quality control processes at the Faculty. In addition, the meetings and activities of the commissions closely related to quality processes (education and training, assessment and evaluation, biosafety, stakeholders, graduates, etc.) and the Academic Board Meetings of the Departments and Department Heads also provide guidance in performance management. In addition, internal and external stakeholder focus group discussions, surveys, commission meetings held with the participation of stakeholder representatives, petitions and cimer applications, social media comments are also analysed and used in the management and improvement of performances. Performance management related to education and training at the faculty is carried out according to student opinions taken in commissions where students are present, one-to-one interviews with student representatives, student course and general evaluation surveys, wish and suggestion boxes, interviews with small student groups, CIMERpetitionssocial media. Education and training performance management is on EAEVE and VEDEK indicators and TQF and VUÇEP qualifications. There are special applications for monitoring education and training performances in the faculty. The status of students' achievement of skills and competences on the first day with Vetopratik software, and students are guaranteed to acquire the skills specified in the system until graduation. The criteria for the faculty to gain EAEVE, VEDEK and VUÇEP criteria are provided by applying the education-teaching exam directive, measurement and evaluation principles, clinical skills laboratory application principles, clinical courses and clinical watch practice principles, internship principles and internship education and graduation assignment principles.

Evidence : [Faculty of Veterinary Medicine Directives and of PracticeCode](#)

In the management of research and development performances in the Faculty, the performance indicators of the Department and Faculty Members and Staff on the ERU BAPIS web page [Performance indicators of the Dean of AVESIS](#) information and data, Department and Academic Board meetings, Academic Incentive and award evaluations, taking the the Faculty [Research](#) into account international rating and ranking indicators of, Erciyes University is carried out in line with the goal of maintaining our place in the A1 status among YÖK Research Universities. In this context, 47 academic staff benefited from academic incentives in 2023 and 878,456.94 TL incentive payment was made. Various training seminars are organised to improve the research performance of the faculty and academic staff. In this context, [13 events](#) were held at the Faculty. In addition, Faculty staff personal development training within the scope of [the distance education door](#).

<https://uzaktanegitimkapisi.cbiko.gov.tr/Giris?return=/>

<https://veteriner.erciyes.edu.tr/tr/haber/tum-haberler>

<https://veteriner.erciyes.edu.tr/yonetim/komisyonlar?title=komisyonlar>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/doc-dr-aykut-gram-in-yurtdisi-ders-verme-etkinligi>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-2209-a-ve-2209-b-ogrenci-projeleri-ile-ilgili-bilgilendirme-semineri-duzenlendi2023>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-ayhan-duzlerin-tubitak-1001-basarisi-2023> <https://veteriner.erciyes.edu.tr/tr/haber-detay/tubitak-1001-proje-destegi-202301>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-alparslan-yildirim-ve-ogr-gor-dr-sadullah-uslunun-tubitak-1001-basarisi-202301>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/dr-ogr-uyesi-ali-erdem-ozturke-tubitak-1003-tubitak-tagem-isbirligi-destegi-23> <https://veteriner.erciyes.edu.tr/tr/haber-detay/doc-dr-kanber-karanin-tubitak-1002-a-basarisi>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-vehbi-gunese-tubitak-1005-destegi> <https://veteriner.erciyes.edu.tr/tr/haber-detay/doc-dr-ayse-gencay-goksuya-tubitak-1005-destegi>

- 1 - Hospital Satisfaction Survey and Data
- 2 - 2023 Stakeholder agreements
- 3 - 2023 Project Data
- 4 - Measurement and Evaluation Commission
- 5 - Education and Coordination Commission
- 6 - Education and Coordination Commission
- 7 - Education and Coordination Commission
- 8 - Student Selection Commission
- 9 - Student Selection Commission
- 10- CatalogueCommission
- 11- CatalogueCommission
- 12- CatalogueCommission
- 13- CatalogueCommission

- 14- Professional Commission
- 15- Professional Commission
- 16- Professional Commission
- 17- Professional Commission
- 18- Professional Commission
- 19- ERÜVETO input screen
- 20- ERÜVETO Display
- 21- VETOPRATIC Display
- 22SCREEN
- 23- PERSONNEL SEIZURE
- 24- Incentive amount
- 25- Incentive Amount
- 26DECISIONS
- 27DECISIONS
- 28DECISIONS
- 29- SMSSYSTEM
- 30- Training Seminars
- 31- Seminar data
- 32- Academic Incentive

3.3- A.3. Management Systems

A.3.1. Information management system

Faculty of Veterinary Medicine and Education Research and Application Hospital use information management systems such as EBYS, BAPSISPEYOSIS, EDUCATOR, CONSULTANT, ATOSIS, ARBIS, AVESIS, YÖKSİS OBİSİS, Cetc.ffered by the ERU rectorate and these systems are used only by defined users. With these information management and data collection systems, information, document and data flow is provided within and outside the Faculty. Correspondence and notifications are made within the Faculty, within the Institution (ERUand Institution (KEPvia EBYS. ERÜVETO automation system, which includes modules such as patient registration system, stock management system, purchasing system, laboratory analyses recording system, patient hospitalisation system, malfunction tracking system, teller system that provides financial management, invoice systems that provide invoice and corporate follow-up, is used within the Faculty of Veterinary Medicine and Hospital. With this automation system, analyses according to patient type and other characteristics, stock analyses, analyses according to the type of materials consumed, cost analyses, result analyses, profit analyses, numerical analyses for transactions are performed. With these analyses, the current situation of the institution is evaluated and reported and support is provided in determining the strategic goals of the institution. In addition, with the VETO Practical (Student Learning System) developed specifically for the institution, the practices that are mandatory for the acquisition of skill competence on the first day of Veterinary Medicine are followed with this programme, the skills that the students have learned the most and the least and the skills that they have never learned are reported with this system, and the data are backed up within the scope of information security. This system provides faculty members with numerical data on the skills they teach. VETOPRATİK is also used to create shift schedules. In the near future, it is aimed to add exam results, weekly course schedule, attendance status to the software so that all processes (rate of attrition) of the student can be monitored. This programme is also used by the Internal Audit Unit of our university for institutional audits and this system is shown as an EXAMPLE APPLICATION MODEL.

Within the scope of the law on the protection of personal data in our faculty, security is ensured by sharing the clarification text with the participants before the board, committee, commission and online meetings held within the faculty.

A.3.2. Human Resources management

Workflows and job descriptions were prepared at the Faculty and announced to the public by being published on the website. Adjustments are made to workflows and job descriptions when necessary (job changes, new personnel, new workflows). In this context, arrangements were made in job descriptions and workflows in 2023.

The faculty has basic administrative structures such as Registry, Personnel Affairs, Legal Affairs, Revolving Fund, Student Affairs, etc., and administrative personnel are assigned in these units.

<https://veteriner.erciyes.edu.tr/tr/gorev-tanimlari-idari> <https://veteriner.erciyes.edu.tr/tr/is-akis-semalari-is-akis-semalari>

The faculty has rules and processes for human resources management. Processes for personnel requests have been determined at the Faculty. In this context, personnel requests submitted in writing to the Dean's Office through meetings held in departments and departments, board decisions, commission decisions and Hospital management decisions are submitted to the Rector's Office. In 2023, 20 academic and 41 administrative staff requests were made. If the personnel requests are positive, an advertisement is made for the positions and the candidates who meet the transparent and measurable conditions specified in the advertisement of our University are ranked and the candidates with the highest score are appointed. In 2023, 5 administrative staff were appointed to the Faculty and 1 administrative staff left the Faculty.

The faculty mechanisms to receive the opinions and suggestions of the staff. Academic and administrative staff share their opinions and suggestions with the administration through surveys, one-to-one interviews, and petitions. In this context, 133 staff and student surveys were conducted, one-to-one interviews were held, Google comments and CIMER petitions were analysed and shared with the staff in 2023. The opinions and suggestions received through these channels were evaluated in boards and commissions. In this context, 39 CIMER petitions processed and finalised. In addition, 26 petitions on various issues submitted to the dean's office were processed and evaluated.

In-service trainings are carried out to increase the professional and personal skills of academic and administrative staff at the faculty. In this context, informative seminars on occupational health and safety, personal development, professional development, training of trainers, accreditation, measurement and evaluation, and 2023 situation assessment meetings in 2023.

A.3.3. Financial management

The Faculty of Veterinary Medicine and its sub-unit, the Education, Research and Application Hospital, make expenditures from appropriations made from the central budget, revenues from revolving fund revenues and project budgets. Expenditures are made transparently according to the relevant laws and legislations and according to the budgetary needs of the unit based on the projected income amount. Revenues obtained from transactions related to the Revolving Fund are obtained according to the principles of table of the income generating activity table of the Faculty of Veterinary Medicine Education Research and Application Hospital and Veterinary Diagnostic and Analysis Laboratories. Additional payments are made to academic staff who contribute to the generation of Revolving Fund revenues according to the Directive on the Procedures and Principles to be Applied in the Distribution of Additional Payments to be made from the Revolving Fund Revenues of Erciyes University Faculty of Veterinary Medicine. Appropriations are requested from the general budget to the relevant items according to the needs of the unit and expenditures are made in accordance with the legislation. The financial transactions of the Revolving Fund and the general budget within the Faculty of Veterinary Medicine are audited by internal and external auditors, and improvements are continuously made with the recommended recommendations.

A.3.4. Process management

Management of processes is carried out on the basis of defined workflows and job descriptions. Process improvements are made through surveys, focus group discussions, board, committee and commission meeting decisions, department and division decisions, petitions, CIMER, Google Map comments and stakeholder opinions. Commissions submit their activity reports for 2023 to the administrative management at the end of the year. In this context, 6 Faculty Board Decisions, 64 Faculty Executive Board Decisions, 39 Commission Meetings, 360 Department Academic Board Meetings, 19 Department Academic Board Meetings were held, 133 satisfaction surveys and Google comments were received, 26 petitions, 39 CIMER petitions were received, and 3 stakeholder interviews were held in 2023.

The sensitive job descriptions of the faculty have been prepared and sent to the rectorate. Performance indicators related to process management are updated every six months and entered into the system. Faculty Control Monitoring Commission analyses and reports the processes in the faculty annually.

Personnel Request Letters

- 1 - Veto Practical Automation
- 2 - VETOPRATIC LOGIN Screen
- 3 - ERUVETO Entrance Screen
- 4 - ERUVETO Usage Display
- 5 - FAULT SYSTEM
- 6 - SHIFT SYSTEM
- 7 SCREEN
- 8 - TELLER AUTOMATION
- 9 - Personnel Request Letters
- 10- Personnel Request Letters

- 11- Seminar number
- 12- Personnel Request
- 13- Personnel Request
- 14- In-Service Training
- 15- Permanent Labourer
- 16- TELLER AUTOMATION
- 17- 2023 Budget
- 18- Budget Item Expenditures
- 19- Personnel Request
- 20- Personnel Request

3.4- A.4. Stakeholder Engagement

A.4.1. and stakeholder participation:

The faculty conducts focus group discussions and [surveys](#) with internal and external stakeholders; they participate as [commission members](#) in various [commissions](#); and stakeholders can convey their opinions via [website](#), e-mail, social media, official letter and CIMER. External stakeholders involved in decision-making and improvement processes through stakeholder meetings, various activities organised with [stakeholders](#) and stakeholder satisfaction surveys. These opinions are evaluated and used in improvement activities. Evidence : <https://veteriner.erciyes.edu.tr/tr/paydaslar>

Evidence : <https://veteriner.erciyes.edu.tr/tr/anketler-fakulte>

Evidence : <https://veteriner.erciyes.edu.tr/tr/haber-detay/veteriner-fakultemiz-tarafindan-ikinci-mezunlar-gunu-etkinligi-duzenlendi>

Evidence : [Cimer Application](#)

Evidence

[Alumni](#)

[Commiss](#)

[ion](#)

[Meeting](#)

A.4.2.

Student

feedback

:

At the faculty, students communicate their opinions and suggestions through the [website](#), e-mail, social media, official letters, counsellor faculty members, student representatives, wishcomplaint boxes, verbal interviews with the vice dean responsible for student affairs and CIMER. Regarding issues that directly concern students, student representation is ensured through the participation of student representatives in the relevant boards and commissions. These opinions are evaluated and used in improvement efforts. In this context, 26 petitions and 22 Cimer petitions were evaluated and finalised in 2023. In 2023, feedback was also through surveys received from students . In this context, 34 surveys were conducted for students. The evaluation processes of the surveys .

A.4.3. Alumni relations management:

The activities carried out within the scope of alumni relations at the faculty are coordinated by [the Alumni Office](#), and the information of 1179 graduates has been recorded in our system so far. The functioning is monitored by the Alumni Office and the [Alumni and On-the-Job Training Commission](#). Education and training for graduates in 2023 at the faculty activities, [alumni](#)

day and workshop were organised. Communication with our faculty graduates can be maintained through the alumni monitoring system. In this context, 65 graduates included in this system in 2023. Alumni relations management is provided with our graduates through surveys, meetings and events. As a result of the surveys and meetings, the opinions and suggestions of our graduates are evaluated. In this context, a meeting was held with graduates in 2023.

1 - STAKEHOLDER EXAMPLE

3.5- A.5. Internationalisation

A.5.1. Management of internationalization processes

Internationalization processes at the faculty are managed in line with the vision, mission, goals and policies, and there is an organisational structure for these processes, and these processes are monitored and continuously improved. Commissions have been established in order to be in effective communication with exchange and accreditation organisations such as ERASMUS, EAEVE, which manage and monitor internationalisation processes in the faculty and to fulfil the requirements. These commissions continue to work actively within the framework of their duties and responsibilities. The faculty also carries out scientific research projects with national and international stakeholders. These studies are supported by national (Bap, Tübitak, etc.) or international institutions as both scientific contribution and budget contribution. These supports can be used for purposes such as participation in scientific activities domestic or international and conducting research abroad.

[https://veteriner.erciyes.edu.tr/tr/haber-detay/your-first-encounter-with-a-patient-](https://veteriner.erciyes.edu.tr/tr/haber-detay/your-first-encounter-with-a-patient-konulu-zoom-seminer-gerceklestirildi)

[konulu-zoom-seminer-gerceklestirildi https://veteriner.erciyes.edu.tr/tr/haber-](https://veteriner.erciyes.edu.tr/tr/haber-detay/doc-dr-aykut-gram-in-yurtdisi-ders-verme-etkinligi)

[detay/doc-dr-aykut-gram-in-yurtdisi-ders-verme-etkinligi](https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemiz-ogretim-uyeleri-florida-universitesi-emerging-pathogen-institutede-calistaya-katildilar)

[https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemiz-ogretim-uyeleri-florida-](https://veteriner.erciyes.edu.tr/tr/haber-detay/ivsa-kayseriye-ziyaret)

[universitesi-emerging-pathogen-institutede-calistaya-katildilar](https://veteriner.erciyes.edu.tr/tr/haber-detay/dekanimizin-nahcivan-devlet-universitesi-veteriner-fakultesi-ziyareti)

[https://veteriner.erciyes.edu.tr/tr/haber-detay/ivsa-kayseriye-ziyaret](https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-murat-kanbur-nahcivan-universitesi-veteriner-fakultesinde-duzenlenen-vebinara-konuk-oldu)

[https://veteriner.erciyes.edu.tr/tr/haber-detay/dekanimizin-nahcivan-devlet-](https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-seminer2023)

[universitesi-veteriner-fakultesi-ziyareti https://veteriner.erciyes.edu.tr/tr/haber-](https://veteriner.erciyes.edu.tr/tr/haber-detay/docdr-kanber-karanin-basarisi)

[detay/fakultemizde-proje-bilgilendirme-toplantisi-yapildi-2023](https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-proje-bilgilendirme-toplantisi-yapildi-2023)

[https://veteriner.erciyes.edu.tr/tr/haber-detay/profdr-murat-kanbur-nahcivan-](https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-seminer2023)

[universitesi-veteriner-fakultesinde-duzenlenen-vebinara-konuk-oldu](https://veteriner.erciyes.edu.tr/tr/haber-detay/docdr-kanber-karanin-basarisi)

[https://veteriner.erciyes.edu.tr/tr/haber-detay/docdr-kanber-karanin-basarisi](https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-seminer2023)

[https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemize-ziyaret-202301](https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-seminer2023)

[https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-alparslan-yildirim-ve-doc-dr-arif-](https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-alparslan-yildirim-ve-doc-dr-arif-ciloglunun-cost-aksiyonu-basarisi)

[ciloglunun-cost-aksiyonu-basarisi https://veteriner.erciyes.edu.tr/tr/haber-](https://veteriner.erciyes.edu.tr/tr/haber-detay/danimarka-ivsa-etkinligi-gerceklestirildi)

[detay/danimarka-ivsa-etkinligi-gerceklestirildi](https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-murat-kanburun-avrupa-veteriner-hekimligi-egitim-kurumlari-birligi-basarisi)

[https://veteriner.erciyes.edu.tr/tr/haberdetay/slovakya-ivsa-etkinligi-gerceklestirildi](https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-murat-kanburun-avrupa-veteriner-hekimligi-egitim-kurumlari-birligi-basarisi)

A.5.2. Sources of internationalization

Internationalization resources; BAP project budgets, ERASMUS exchange budgets, budget for participation in scientific activities abroad and contributions of institutions such as Tübitak etc.

constitute the basis of the resources for internationalisation in the faculty. In addition, our university has created a budget item for accreditation studies and accreditation expenses are covered from this budget. With this development, studies on the continuity of accreditations can be carried out more .

In previous years, student and faculty member exchanges have been carried out with ERASMUS. 2023 Project Year ERASMUS+ KA171 Staff Teaching Mobility and 2023 Project Year ERASMUS+ KA131 Staff Study Mobility are ongoing. Faculty Member Assoc. Prof. Dr. Aykut GRAM gave undergraduate lectures at the Vetsuisse Faculty of the University of Zurich within the scope of his Associate Professorship (Habilitation) Title (Venia Legendi) from the University of Zurich and made my presentation titled "Lipopolysaccharide (LPS) and synthetic bacterial lipopeptide (Pam3CSK4)-mediated inflammation in Ovine Luteal Endothelial Cells (OLENDO)". During this period, consultations were held to establish new collaborations between our University and the University of Zurich. Prof. Dr. Vehbi GÜNEŞ and Prof. Dr. Ali Cesur ONMAZ gave trainings on Ultrasonography and Electrocardiographic Examinations in Cats and Dogs at University of Life Science "King Michael I" Faculty of Veterinary Medicine Timisoara/Romania on 20.24.November 2023. The project titled "Enhancing arbovirus surveillance and risk management in the public health systems of Georgia, Turkey, and Ukraine" with the code HDTRA12210015 and titled "Enhancing arbovirus surveillance and risk management in the public health systems of Georgia, Turkey, and Ukraine" has entered into force as of July 19, 2022 by the United States Defense Threat Reduction Agency (DTRA) in cooperation with the National Center for Disease Control and Public Health (NCDC) Richard G. Lugar Center for Public Health Research, Georgia, Public Health Center of the Ministry of Health, Ukraine (PHC) and Erciyes University. Erciyes University Faculty of Veterinary Medicine, Department of Parasitology within the Department of Parasitology Prof. Dr. Alparslan YILDIRIM, Turkey side of the project undertaken by Erciyes University Faculty of Veterinary Medicine, was supported with approximately 3 million dollars and a total of \$ 594,000.00 of this budget with the subcontract SUB00003490 was brought to our university as an R&D funding source. The project activities have been realized according to the work-packages determined within a three-year calendar with the coordination of the relevant research teams. Approximately 50% of the project has been completed so far. A total of appropriation of \$ 594,000 has been used.

A.5.3. Internationalization performance

The Faculty internationalization performance indicators (international publications in the Strategic Plan, international projects, number of international publications produced in the Annual Report). Publication, project performances and participation in exchange programmes are monitored and action plans are made to improve these processes. The activities carried out by the faculty have been [evaluated The Time Education](#)) by international rating organisations ([Ranking](#) and important rankings have been obtained. The scientific activities of our academic staff can be monitored with [BAPSISYOKSIS](#), [AVESIS](#), [ATOSISARDEB](#), [BİDEB](#). Performance evaluation is carried out twice a year with the decisions of the department and academic board. Taking into account the updated criteria of EAEVE, development-improvement activities in the faculty through commissions.

Within the scope of internationalisation, [ERASMUS and External Relations Coordinatorship](#), [EAEVE Accreditation Commission](#), [Stakeholders Commission](#), [Alumni Office](#), [EAEVE SER Writing Commission](#) continue their activities. In December 2021, the Faculty was audited by the European Association of Veterinary Surgeons ([EAEVE](#)) within the scope of international accreditation studies and was awarded full accreditation. In February 2022, VEDEK had a full [accreditation](#) visit and after the visit, the Faculty in obtaining full accreditation for 7 years. These accreditations enabled the faculty to gain a certain place in the international platform in terms of education and training and the health services it provides. Maintaining this level of success and reaching more advanced stages in internationalisation are among the biggest goals of the faculty. Project Year ERASMUS+ KA171 Staff Teaching Mobility and 2023 Project Year ERASMUS+ KA131 Staff Training Mobility are ongoing.

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As of 2023, 147 graduate students, 129 doctoral students and 51 foreign students studying at the Faculty. Scientific studies that will contribute to achieving internationalization targets in 2023 have been carried out at the Faculty. In this context, a total of 141 Scientific Research Projects were started, 88 of which were carried over from the previous year, 53 of which started in 2023, and 32 of them were completed in 2023. 85 International Articles and 46 International Papers were published.

<https://veteriner.erciyes.edu.tr/tr/haber-detay/doc-dr-aykut-gram-in-yurtdisi-ders-verme-etkinligi> <https://veteriner.erciyes.edu.tr/tr/haber-detay/ivsa-kayseriye-ziyaret> <https://veteriner.erciyes.edu.tr/tr/haber-detay/dekanimizin-nahcivan-devlet-universitesi-veteriner-fakultesi-ziyareti> <https://veteriner.erciyes.edu.tr/tr/haber->

[detay/fakultemizde-proje-bilgilendirme-toplantisi-yapildi-2023](#)
<https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-seminer2023>
<https://veteriner.erciyes.edu.tr/tr/haber-detay/profdr-murat-kanbur-nahcivan-universitesi-veteriner-fakultesinde-duzenlenen-vebinara-konuk-oldu>
<https://veteriner.erciyes.edu.tr/tr/haber-detay/docdr-kanber-karanin-basarisi>
<https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-alparslan-yildirim-ve-doc-dr-arif-ciloglunun-cost-aksiyonu-basarisi> <https://veteriner.erciyes.edu.tr/tr/haber-detay/danimarka-ivsa-etkinligi-gerceklestirildi>
<https://veteriner.erciyes.edu.tr/tr/haber-detay/slovakya-ivsa-etkinligi-gerceklestirildi>
<https://veteriner.erciyes.edu.tr/tr/haber-detay/prof-dr-murat-kanburun-avrupa-veteriner-hekimligi-egitim-kurumlari-birligi-basarisi>

- 1 - 2023 Projects
- 2 - 2023 Project Data
- 3 - Lecturers Abroad
- 4 - Department activities and studies
- 5 - Student data
- 6 - 2023 Project Data
- 7 - Publication and citation
- 8 - 2023 Publications
- 9 - Publication and scientific activities
- 10- Publication and scientific activities
- 11- The Time Education Ranking

4 - B. AND TRAINING

4.1- B.1. Programme Design, Evaluation and Updating

B.1.1. Design and approval of programmes

The Veterinary Medicine programme is designed by taking into account the mission, vision and basic principles and values of our University, TQF, VUÇEP, EAEVE and VEDEK indicators, regional and global requirements, and the opinions of employers and students. Updates related to the programmes are studied by the Education, Training and Coordination Commission in line with stakeholder feedback and sent to the Faculty Board for approval. The relevant updates enter into force after the ERU Senate Decisions.

The general aim of the Veterinary Medicine programme is to train Veterinarians who have the knowledge, skills and attitudes necessary to fulfil their professional roles and functions, adopt universal values, have a sense of professional ethics and responsibility, aim lifelong learning, follow and apply scientific developments, have multidisciplinary working and communication skills in accordance with the concept of ONE HEALTH to improve individual and community health ([Mission-vision](#)). The educational objectives of our programme have been determined by taking into account the mission, vision, basic principles and values of our University and the opinions of internal and external stakeholders. In this framework, meetings with internal and external stakeholders in the 2023 academic year. The reports summarising the opinions and suggestions on the subject at the meetings were published on the Faculty web page. Veterinary Medicine Stakeholder Meetings The educational objectives of the programme are published [on the Faculty website](#). Programme Educational Objectives Programme outcomes were determined by taking into account the qualifications for undergraduate education and undergraduate education the field of health within the scope of the Turkish Higher Education Qualifications Framework (TYYÇ), which was prepared for the objectives of the Bologna Process, which our country joined in 2001, and updated in line with internal and external stakeholder opinions and survey results. In order to monitor the achievement of the programme outcomes, graduate, external stakeholder and faculty [surveys](#) are every year by the Veterinary Medicine Programme Education and Training Coordination Commission.

Course curriculum and student workloads been updated by taking into account the ECTS-credit system in order to gain qualifications at the level determined within the scope of [Veterinary Medicine Core Education Programmes](#) and [Turkey Higher Education Qualifications Framework \(TYYÇ\)](#). The learning outcomes (knowledge, skills and competences) that Veterinary Medicine students are expected to gain in each course and clinical practice are determined in the curriculum, course information package for each class. [The course information package](#) the description of each course, the content of the course,

the learning outcomes of the course, the level of contribution of the course to the programme qualifications, measurement methods and course resources.

The VETOPRATİK programme, which was created within the faculty and developed over the years, is used. In this system, the first day competences of the students, the practices and skills related to the process-based acquisitions during the semester are entered into the system by the students, and the measurement and evaluation outputs are created the approval of the relevant instructor.

The Clinical Skills Laboratories established within the Faculty enable students to acquire technologically advanced professional skills. At the same time, the Patient Tracking System used in the Animal Hospital is used the students, facilitating the students' access to all processes related to the patient.

B.1.2. Course distribution balance of the programme

Education at the faculty is carried out in three terms. The first term covers the semesters basic sciences courses are second term covers the term in which pre-clinical courses are predominant. The third term covers the internship education, which is all practice. In internship, this training students gain professional skills by visiting animal hospitals and other relevant external stakeholders. In addition, fifth year students develop their professional competences by keeping 240 hours of watch in the Animal Hospital under the supervision of the relevant responsible physician on rotation (student watch schedule). In addition, in the last semester, students are provided with the opportunity to prepare a Graduation Paper in order to gain academic research and presentation skills.

Each student studying at the faculty gains professional field skills by doing a total of 400 hours of compulsory internship, 10 working days after the fourth semester, 15 working days after the sixth semester, 25 working days after the eighth semester.

Within the scope of the course balance, it is ensured that are selected from the course pool in . The number of courses and weekly course hours are organised in such a way that students can spare time for other activities. In this context, course elective outside the field courses Erciyes University elective order to enable students to recognise different disciplines and gain professional-cultural depth necessary updates have been made in the packages and learning outcomes information

Some of the curriculum courses are multidisciplinary, enriching the vision and perspective of the students as much as possible.

B.1.3. Compatibility of course outcomes with programme outcomes

The learning outcomes of the offered by the faculty courses and the learning outcomes of the courses are updated in accordance with the VEDEK, EAEVE and VUÇEP criteria, and the mappings included in the course information packages. Course learning outcomes are monitored through the VETOPRATİK system used by the students and by the instructors. (VETOPRATİK)

B.1.4. Course design based on student workload

The content and course design information of all courses are requested to be updated from the Departments and these updates are published on the web page at the beginning of the semester. The credits in the programmes are arranged theoretical course hours, laboratory work, project preparation, practical work, clinical work, internship, seminar, homework, presentations, preparation for SSL exams, exams within the scope of the criteria defined in the BOLOGNA process (dbp, lesson plan). Practical learning opportunities related to internship and profession are organised through the Presidency of the Republic of Turkey National Internship Gateway platform and up-to-date information and announcements announced on our web page. These internships, which are included in the curriculum in the lesson plans, are carried out at predetermined application sites as summer term courses for our 2-3 and 4th year students.

Various applications are carried out in order to teach practical courses, which have an important place in the field of Veterinary Medicine, and to gain clinical experience. Practical courses in the first and second year are given in the laboratory. Practice courses in the third and fourth year are given in practice laboratories and Animal Hospital. Students can communicate directly with the responsible lecturer. The evaluation of the practices carried out in our faculty is carried out by the relevant Departments under the control of the Measurement and Evaluation Commission in with the Measurement and Evaluation Principles accordance.

B.1.5. Monitoring and updating programmes

Based the Turkish Higher Education Qualifications Framework and National Veterinary Core Education Programmes, updates are made in the course information package of the courses in the curriculum in accordance with EAEVE, VEDEK and European Union criteria. The necessary updates in the catalogue program are made at the beginning of each semester by the Faculty Catalogue Commission and Catalogue Officer in coordination with the Central Student Affairs. The suggestions and requests of stakeholders internal and external related to education are evaluated and the arrangements and updates notified to the relevant Departments by the Education Coordination Commission.

B.1.6. Management of education and training processes

In the Faculty, academic and administrative decisions on education, training, assignment, practice, research, and routine hospital practices, etc. are evaluated by the relevant Commissions (education, curriculum preparation commission, catalogue commission, etc.) and implemented with the approval of the "Faculty Board" and "Faculty Administrative Board". The head of the administrative organisation is the Dean. The duties, authorities and responsibilities of the faculty are determined by the

"Higher Education Law No. 2547, Decree Law No. 2809 on the Organisation of Higher Education Institutions No. 41" and "Higher Education Personnel Law No. 2914". In addition, the Heads of Departments and Major are authorised in the management of education and training processes such as determining the lecturers who will teach the courses, implementing the course programmes, conducting the courses, conducting the exams according to the principles of measurement and evaluation. In accordance with the "Regulation on Academic Organisation" prepared within the scope of the above-mentioned laws and decrees, Departmental Academic Boards related to Education Training in our Faculty convene and evaluations are made regarding processes ([departmental academic board decision](#)).([Organisation chart](#)) 1 - [Patient Tracking System](#)

2 - [clinical skills laboratory](#)

3 - [student shift schedule](#)

4 - [VETOPRATIC](#)

5 - [student tracking system](#)

6 - [patient tracking system](#)

7 - [education and training coordination commission](#)

8 - [department academic board decision](#)

4.2- B.2. Execution of Programmes (Student-Centred Learning, Teaching and Assessment)

B.2.1. Teaching methods and techniques

In the first week of the fall and spring semesters, the knowledge, skills and objectives to be given to the students for each course are explained. At the same time, course resources, application and evaluation methods related to the course are introduced. In practical courses, students are about biological and chemical hazards and precautions, and the biosafety, [Health and Safety](#) to be followed are explained ([Orientation training](#) programme). Before each semester, [the course information package](#) is updated and the theoretical and practical course subjects are explained in detail for 15 weeks and the [course programmes](#) announced before each semester. Courses are conducted theoretically and practically. In theoretical courses, oral lectures, homework presentations, seminar presentations, demonstration and question-answer techniques are used, while in practical courses, case discussions are carried out together with practice and patient follow-up using the [VetoPractical](#) system updated according to the first day qualifications. Intern students have to do a Graduation Project in order to graduate ([of Intern Education and Graduation Project Principles](#)). Students take [Clinical Skills Laboratory](#) courses in order to learn the approach to patients and basic skills before starting clinical courses. In practical courses, process-based assessment is carried out through [the Vetopratic system](#) and logbooks. Course materials are updated on ERUDEPO system and Faculty website ([lecture notes](#)). Our students have to do compulsory internship at least 3 times during their education period, and the notebooks of the students' internships are examined and approved by [the internship commission](#) at the beginning of the semester.

B.2.2. Measurement and evaluation

[The Assessment and Evaluation Commission](#) at the Faculty reviews the exam questions and answer keys for all courses prior to the exams to be administered undergraduate courses. In this review process, the balance of the distribution of questions in the exams, whether they meet the first day competencies, which course outcomes and which subjects they characterize, and the appropriateness of the question types used in accordance with the application principles are evaluated ([Measurement and Evaluation Application Principles](#)). A student-centred measurement and evaluation approach is adopted and in this framework, the opportunities for students to express themselves are diversified based on competence and performance. In this context, it is aimed to use at least 3 different question types in exams. In addition, various methods such as homework, projects, seminars, presentations, quizzes and case discussions are used to evaluate students' performance on a process and product-based basis ([course information package](#)). How to make objections against the exam results and the exam process and how to ensure exam security are explained in detail in [the Principles of Assessment and Evaluation](#). Different forms of evaluation such as [clinical shifts](#), [clinical skills notebooks](#), graduation theses, laboratory follow-up notebooks and internship notebooks have been added to [the course evaluation](#). The measurement and evaluation of internship education is carried out according to the Principles of [Veterinary Medicine Internship Education and Graduation](#) Project. The measurement and evaluation of each course given in the fall and spring semesters course based on the feedback from [the course evaluation surveys](#) conducted by the students.

The Assessment and Evaluation Commission at the Faculty reviews the exam questions and answer keys for all courses prior to the exams to be administered in undergraduate courses. In this review process, the balance of the distribution of questions in the exams, whether they meet the first day competencies, which course outcomes and which subjects they characterize, and the appropriateness of the question types used in accordance with the application principles are evaluated (Assessment and Evaluation Application Principles). A student-centered measurement and evaluation approach is adopted and in this framework, the opportunities for students to express themselves are diversified based on competence and performance. In this context, it is aimed to use at least 3 different question types in the exams. In addition, various methods such as homework, projects, seminars, presentations, quizzes and case discussions are used to assess students' performance on a process- and

product-based basis (course information package). How to make objections against the exam results and the exam process and how to ensure exam security are explained in detail in the Measurement and Evaluation Principles. Different forms of evaluation such as clinical shifts, clinical skills notebooks, graduation theses, laboratory follow-up notebooks and internship notebooks have been added to the course evaluation. Measurement and evaluation of internship education is carried out according to the Principles of Veterinary Medicine Internship Education and Graduation Project. The measurement and evaluation of each course given in the fall and spring semesters is based on the feedback from the course evaluation surveys conducted by the students.

B.2.3. Student admission, recognition and crediting of prior learning

The Faculty accepts student candidates who have a high school diploma and achieved a certain success in the central exams held by the Student Selection and Placement Centre (ÖSYM) or in the international exams (YÖS) accepted by the Council of Higher Education (YÖK), according to preference and success ranking. Our faculty ranks **8th** among **31** Veterinary Faculties in the ÖSYM student preference ranking. ([YÖK Atlas](#)) According to the evaluation of 2023 Higher Education Institutions Exam (YKS) results, our faculty has increased its preferability value by reaching a base score ranking of 396.64. According to the 2023 YKS results, the Faculty enrolled with 455.4 points. At the first admission stage of the students, YÖK and ÖSYM (including the scope of Annex-1), the courses previously taken by the students in vertical transfers are subjected to a detailed examination by the [Education and Training Commission](#) and credit matching is carried out ([example of adjustment report](#)). The Faculty participates in international student exchange programmes such as ERASMUS and FARABİ. Through these programmes, students from different countries are courses horizontal and offered the opportunity to take . When the students sent by the Faculty to study abroad, the ECTS and credit matching of the courses they take are made upon their return. In addition, both national and international students are accepted within the scope of the internship programme at the Animal Hospital within the Faculty, and these students are actively doing internship ([foreign student internship acceptance sample](#)).

B.2.4. Certification of qualifications and Diploma

The education and training process is carried out with the cooperation of Erciyes University Student Affairs Department Dean of Students and the approval of the Faculty [Education and Training Commission](#). In order for a student to receive the title of "Veterinary Physician", he/she must have a GPA of at least 2.00 and successfully complete 300 credits (European Credit Transfer System-ECTS) ([Education and Training Examination Directive](#)). Our Faculty is the only Veterinary Faculty in our country authorised to organise the Scientific Qualification Examination in order to evaluate the equivalence of students graduating from Veterinary Faculties in different countries according to the standards set by the Council of Higher Education (YÖK). In this context, [the results of the Scientific Qualification Examination](#), which was held on 20 November 2023 were announced on the website on 21 November 2023.

- 1- [VETOPRATIC](#)
- 2- [Clinical Skills Laboratory](#)
- 3- [Adaptation](#)
- 4- [Internship](#)

4.3- B.3. Learning Resources and Academic Support Services

B.3.1. Learning environment and resources

In our faculty, simulations, microscope-integrated digital imaging, remote sharing and digital transformation infrastructures are used in different Clinical Skills Laboratories (CRL) in line with EAEVE and VEDEK criteria for the education of students. There are computer-aided integrated digital transformation systems in lecture theatres, classrooms, laboratories and hospitals. In 2023, the faculty provided education and practical application opportunities to its students with 1 multi-purpose conference hall, 1 lecture hall, 9 classrooms, 1 reading room, 9 student application laboratories, 4 computer laboratories and 38 laboratories. The 10 student CRLs in the faculty are open to student use 24/7 and provide students with self-learning (SSL) opportunities ([Annual Report](#)). The high annual increase the number of patients coming to the Faculty provides an increase in the professional skills and quality of education of the students, as well as providing easy access to professional counselling and continuing education for veterinarians working in our city ([Annual Report](#)). A total of 118,130 animals were examined and 37 animals were necropsied in the Faculty in 2022. ([Treatment and survey](#)). The material and other demands of Departments in our faculty for student applications are met by the Rectorate by evaluating the budget and suitability. The materials used in laboratory and hospital student applications can also be met from the revolving fund budget. The faculty uses the latest technologies in education in its new settlement. In our classrooms, computers, projectors, LED lecture presentation screens, wireless internet support, classrooms suitable for distance education, cameras, microphones, etc. are used in some laboratories and clinics. In clinical sciences, 1 mobile camera system allows recording operations, remote student participation and interactive case presentations. Canine intravenous application simulator, bovine clinical application simulator, equine clinical application simulator, bovine labour simulator and cow udder simulator KBL are used in clinical skills courses and pre-clinical student trainings. All classrooms and student practice laboratories integrated with camera systems for remote online trainings. In the faculty library, there are 1000 journals, 270 source books on veterinary medicine, scientific books from different fields and books on literature (novels, stories, etc.). In addition, ERU Central Library has a strong infrastructure that enables faculty members and students to access printed and electronic resources. Within the scope

of orientation training in the first weeks of their admission to the Faculty, our students participate in a technical tour and information meeting about the promotion and usage processes of the Central Library ([Orientation programme](#)).

B.3.2. Academic support services

Within the scope of academic support services, the academic development of students is monitored through the University [ÖBİSİS system](#) and the [VetoPratik](#) system of the Faculty. In addition the advisor lecturers the academic and other issues ([career planning](#), [scholarships](#), etc.) of the students through the Academic Advising and [ERU DM](#) systems, which were created facilitate the students' dialogue with their advisors. With the Academic Counselling system, faculty members determined by the Academic Advisory Board are appointed as mentors for each student enrolled in the Faculty. In this context, in order to maintain student counselling services more. As of 2021, one academic staff member can advise up to 15 students at most and continue his/her counselling duty until the student graduates. The advisor meets with the students he/she advises every week on the day, time and place he/she has determined and announced. In addition, the counsellor students in registration renewal, course selection and course approval processes and communicates active messaging through the aforementioned systems. The counsellor helps students to be informed about exchange programmes such as ERASMUS, FARABI and MEVLANAnational and/or international projects and internship opportunities, and provides guidance and direction to students on career planning and internship issues. In addition to this, the counsellor also helps the students to choose the graduation assignment ([Education-examination directive](#)). Students can easily reach their counsellors . In addition, support for psychological counselling services is received from the [Psychological Counselling and Guidance Application and Research Centre](#) of our university. to the undergraduate and graduate students and graduates in the process of choosing a profession, sector and businessat the times and places specified by their counsellorsThe [Career Guidance Information Centre](#) and external stakeholders contribute guidance and information of . In this context, students are directed to theSystem and KAYBIMER at certain intervals and are provided to in these systems. which started to be organised at the Faculty since 2022 and in 2023 Presidential Human [In the alumni meeting, held for the time](#) , Faculty Graduate Veterinarians informed the students and their questions by sharing their professional experiences from their own working fields [second](#) answered .

B.3.3. Facilities and infrastructures

The students of our faculty benefit from the services such as central dining hall, cafe, library, health units, guesthouses, sports facilities in our campus within the hours determined by the Rectorate and given on the website; students benefit from the computer room, library, student club rooms, Mehmet Akif Ersoy Conference Hall and canteen within the institution. At the entrance of the animal hospital, 2 food and beverage vending machines patients and students 24/7. Ring buses that provide free transport for students and staff are used within the campus ([Annual Report](#)). In reaching the animal hospital, necessary signboards and information are for patient owners by security guards.

B.3.4. Disadvantaged groups

In our faculty, necessary arrangements have been made for the access of students, staff and patients to the space and has been awarded the barrier-free campus certificate ([Orange Flag](#)). Since the Orange Flag award period has expired, the necessary physical arrangements (improvements) been updated and reapplied. In the faculty, 2 faculty members and one administrative staff as barrier-free campus representatives. Barrier-free campus unit representatives at the faculty review these conditions and make recommendations for the necessary arrangements. ERU provides "Food Scholarships" to Turkish and foreign students studying at the Faculty after the evaluation of the Scholarship Commission in the Faculty in accordance with the relevant provisions of the ERU Scholarship and Social Aid Directive. In addition, the Commission to ensure that students in need receive scholarships by mediating the support of various institutions and organisations.

B.3.5. Social, cultural and sportive activities

Scientific, cultural and artistic activities are regularly organised at the Faculty every year, as well as various social, cultural and sportive activities. These activities planned and carried out by the Culture and Art Organising Commission ([Commissions](#)). In 2023 at the Faculty; Online Seminar on "Work in the UK", TUBITAK 2209-A/B Project Writing Training, Career Opportunities Online Seminar, graduation ceremony, Erasmus Exchange Program in the Heart of Transilvania Seminar, Orientation Program for 1st Year Students of 2023-2024 Academic Year, 2. Activities related to Erciyes University Faculty of Veterinary Medicine Alumni Day, Prof. Dr. Mariusz P. KOWALEWSKI's seminar, Veterinary Medicine in the 100th Anniversary of our Republic, Basic Training on Intellectual Rights, Mehmet Akif ERSOY Conference in the 87th Anniversary of his passing, Career and Personal Development Training were held. In addition to these, student congresses, equestrian club and equestrian club activities, which are advised by faculty members, continue regularly. ([activities](#)).

1 - [Annual Report](#)

2 - [treatment and survey](#)

3 - [vetopratic](#)

4 - [activity report](#)

4.4- B.4. Teaching Staff

B.4.1. Criteria for appointment, promotion and assignment

All of the appointment and promotion processes of our faculty are carried out within the framework of [Erciyes University Appointment and Promotion Criteria](#) approved by YÖK. The files of the personnel who meet the academic promotion criteria are pre-examined by [the Appointment and Promotion of our Faculty Commission](#). According to the Academic Promotion Criteria, which have multifaceted criteria, scientific publications, projects, citations, patents and utility models, undergraduate and graduate courses given and awards received are scored in the appointment process. The faculty members who will give the course in our faculty are collected from the departments in the annex of the Academic Board Decisions. In case there is no faculty member related to the field of expertise of the course, an external faculty member requested from the relevant institution with the decision of the Academic Board. Likewise, faculty members of our Faculty are assigned to other institutions to meet the needs of another institution with the decision of the Academic Board.

B.4.2. Teaching competences and development

In our faculty, 12 meetings were held with the [Education, Training and Coordination Commission](#) in 2023. In these meetings, general evaluations about education and training are made and the members of the commission on the basis of departments meet with the lecturers and one-to-one assistance in the education processes. An information meeting was held on the use of systems, course materials and the functionality of the VETOPRATİK system from the student and faculty member perspective. Our encourages on various topics related to training of trainers. In our faculty, [Measurement and](#) regarding distance education and measurement and evaluation criteria through the E-government open access portal information given by the [Commission](#) and the Education and Training Commission. In order to measure the teaching competencies of faculty members, [course evaluation questionnaires](#) and for students [Evaluation faculty member evaluation questionnaires](#) are organised. Project writing trainings and various seminars within the scope of improving the competencies of faculty members were organised ([EU project writing training, seminar](#)).

B.4.3. Incentives and rewards for training activities

Faculty members of our faculty receive Scientific Incentive Allowance according to their performance during the year ([Academic Incentive Regulation](#)). Their evaluation processes are carried out by department-based commissions ([Academic Incentive Commission](#)). With the [Success Incentive and Award Directive](#), which entered into force on 3 October 2023 by our university the achievements of faculty members are rewarded. Within the scope of this award system, in which especially education and training activities are evaluated, the results of the survey in which faculty members are evaluated by students also included.

- 1- [education and training coordination commission](#)
- 2- [measurement and evaluation commission](#)

5 - C. RESEARCH AND DEVELOPMENT

5.1- C.1. Management of Research Processes and Research Resources

C.1.1. Management of research processes

The management of research processes at the faculty is based Annual Reports, Strategic Plan and BIDR data. In addition, departmental Academic Board Meetings, data obtained from BAPSIS academic incentive application data national and rankings are utilised.

Research activities and related processes are carried out in our faculty. In this direction, the ongoing researches of the academic staff and new researches are carried out coordination with the relevant parties (BAP, TÜBİTAK, KOSGEB, TAGEM, SANTEZ, etc.) in terms of both budgeting and other supports. In addition, the management of research processes is carried out within the faculty based on Annual Reports, Strategic Plan and BIDR data. Department Academic Board Meetings, data obtained from BAPSIS academic incentive application data national and rankings are utilized.

Faculty members and staff of the Faculty have attended various courses, symposiums and trainings in order to manage research processes effectively.

- Faculty Member of the Department of Parasitology of our faculty and Erciyes University ERVEK Director Prof. Dr. Alpaslan YILDIRIM attended the workshop of the project coded "HDTRA12210015 / SUB00003490" by the United States Defense Threat Reduction Agency (DTRA), which is carried out in cooperation with our University, University of Florida (USA), Lugar Center (Georgia) and Public Health Center of the MOH of Ukraine (Ukraine).
- IVSA Kayseri students from Kosice University of Veterinary Medicine and Pharmacy between 29.10.2023-05.11.2023 within the scope of the exchange programme organised by the student community.
- The Project Information Meeting organized by the Project Support Office of the Dean of Research was held on Monday 30.10.2023 at the Mehmet Akif Ersoy Conference Hall of our Faculty.
- The seminar on "Morpho-functional and Transnational Aspects of Canine Decidualization" was given by Prof. Dr. Mariusz P. KOWALEWSKI from Zurich University, Faculty of Veterinary Medicine on 19.10.2023 at Mehmet Akif Ersoy Conference Hall of our faculty.
- An information seminar on 2209-A and 2209-B student projects was held at our faculty on 18.10.2023.
- Erciyes University Faculty of Veterinary Medicine hosted lecturers from Romania Cluj University of Agricultural Sciences and Veterinary Medicine between 25-29.10.2023 within the scope of ERASMUS Exchange Programme.
- Faculty of Veterinary Medicine, IVSA KAYSERİ student society organised the exchange programme between 01.05.2023-08.05.2023, Denmark IVSA event was held. - Faculty of Veterinary Medicine, IVSA KAYSERİ student society organised the exchange programme between 23.04.2023-01.05.2023 in Slovakia IVSA event was held.

<https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemiz-ogretim-uyeleri-florida-universitesi-emerging-pathogen-institutede-calistaya-katildilar>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/ivsa-kayseriye-ziyaret>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-proje-bilgilendirme-toplantisi-yapildi-2023> <https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-seminer2023>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemizde-2209-a-ve-2209-b-ogrenci-projeleri-ile-ilgili-bilgilendirme-semineri-duzenlendi2023>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/fakultemize-ziyaret-202301>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/danimarka-ivsa-etkinligi-gerceklestirildi>

<https://veteriner.erciyes.edu.tr/tr/haber-detay/slovakya-ivsa-etkinligi-gerceklestirildi>

2023 Unit Annual Report 2023

Academic Incentives

2023 Academic Incentive Amounts

ERU Scientific Incentive Awards

Principles

Academic Incentive Application and Review

Commission EAEVE Accreditation Certificate

[The Times University Education Ranking](#)

[Commission on Principles of Scientific Assignment](#)

[Commission 2023 In-Service Training Plans](#)

C.1.2. and external resources

Within the scope of research and development activities in our faculty, the largest share in creating a budget is provided by ERU BAP, but applications are made to TÜBİTAK, KOSGEP, International Cooperation and national project support programs and budget support is also received from them. R&D activities are carried out and audited within the scope of Erciyes University Scientific Research Application Directive. In the institutional reports, information on how many graduate theses and researches have received support from the institution and how many of them have been completed is periodically monitored and recorded in the faculty database. The external resources used and information on these projects are also recorded in the database and monitored as in BAP projects.

In addition, studies are carried out in the fields of education, research and social contribution within the framework of EAEVE (European Union Association of Veterinary Medicine Education Institutions). In the Health Application and Research Centre of the Faculty, a total of 7,065,670.40 TL income was obtained from the activities in 2023 and 353,283.52 TL was transferred to the University BAP Coordinatorship as the share of BAP Revolving Fund.

In our faculty, a total of 141 project studies are carried out with 53 projects added in 2023 in addition to the 88 projects that have been ongoing in previous years in 2023. The total budget amount of the projects started in 2023 is 8,783,869 TL. Of these projects, 23 are supported by TÜBİTAK60 by BAP49 by Thesis2 by International projects and 7 by other organisations. In addition, 32 projects started in previous years were completed in 2023. A total of 11,150,746 TL budget expenditure was made by Erciyes University BAP unit in 2023 for the projects carried out.

Within the scope of Academic Incentive application in our faculty, 51 faculty members and staff were entitled to receive Academic Incentive in 2023. In this context, academic staff received a minimum score of 30 and a maximum score of 92.35 (ERU ATOSIS-2023). A total of 878,456.94 TL incentive payment was made to the academic staff who were entitled to receive Academic Incentive within the Faculty.

Faculty members of our faculty have participated in many national and international events, congresses, seminars and within the scope of both education and scientific research projects. A total of 109,096.15 TL travel expenses were for these activities in 2023.

[Faculty Of Veterinary Medicine Research Collaborations Research Deanery Project And Budget Information Academic Incentives](#)

[2023 Academic Incentive Amounts](#)

[2023 Health Implementation Activities](#)

[2023 for External Assignments](#)

[BudgetExternal Assignments](#)

C.1.3. Doctoral programmes and postdoctoral opportunities

There are 18 Master's and 15 Doctorate programs opened by the Departments of our Faculty within the Institute of Health Sciences. 43 master's and 26 doctoral students have enrolled in these programs. In addition, 4 foreign students have enrolled, and there are a total of 51 foreign students continuing their education in the institutes. In 2023, a total of 35 students, 21 master's and 14 doctoral students, graduated.

Within the scope of YÖK 100/2000 scholarship programme, 7 scholarship doctoral students in 3 departments have been admitted to the faculty within the scope of YÖK priority areas. Students who complete the Master's and Doctorate programmes carried out by the Faculty can find job and staff opportunities in higher education institutions and research centres and can part in projects. In this context, graduates of the Institute's graduate programmes have been employed in academic positions in the Faculty of Veterinary Medicine and other institutions.

[2023 Bap Unit Data](#)

[2023 Institute of Health Sciences](#)

1 - [2023 Unit Activity Report](#)

2 - [2023 Academic Incentives](#)

3 - [ERU Scientific Incentive Awards Principles](#)

- 4 - [EAEVE Accreditation Certificate](#)
- 5 - [The Times University Education Ranking](#)
- 6 - [Commission on Principles of Scientific Assignment](#)
- 7 - [2023 In-Service Training Plans](#)
- 8 - [Academic Incentive Application and Review Commission](#)
- 9 [Academic Incentive Amounts](#)
- 10- [Research Deanery Project and Budget Information](#)
- 11- [2023 Academic Incentives](#)
- 12 [Academic Incentive Amounts](#)
- 13- [2023 Health Implementation Activities](#)
- 14- [2023 for External Assignment Budget](#)
- 15- [External Assignments](#)
- 16- [2023 Bap Unit Data](#)
- 17- [2023 Health Sciences Institute of](#)

5.2- C.2. Research Competence, Collaborations and Supports

C.2.1. Research competences and development

In our faculty, various opportunities to maintain and improve the scientific research competence of faculty members, staff and researchers. Within the framework of research collaborations in the Faculty, exchange programmes such as ERASMUS, congresses, conferences, seminars, etc. activities are carried out.

In 2023, 10 symposiums and congresses, 2 conferences, 13 undergraduate seminars, 1 open session, 8 training seminars attended. In addition, activities that can be considered as R&D studies were carried out at the Faculty in 2023. Our faculty members have 2203 citations, 85 international articles, 34 national articles, 46 international papers, 18 national papers, 10 book chapters within the scope of publications in refereed journals entering the indexes.

Within the scope of R&D projects, BAP, TUBITAKKOSGEB etc collaborations are carried out in the fields of education scientific and social within the framework of protocols with other stakeholders as well as budgeted organisations. In addition, the education and research competences of our faculty have been strengthened with the national (VEDEK) and international (EAEVE) accreditations of our faculty. Within the Technopark, 11 faculty members are partnership-collaboration in a total of 5 companies.

Research competences of researchers are evaluated through BAPSIS performance indicator data university scientific incentive system data Faculty and Department Academic Board meetings. In 2023, 53 new projects worth 8,783,869 TL were supported by the BAP unit.

[2023 Scientific Research Centre Project Information](#)

[Faculty Members of our faculty attended the workshop at the Emerging Pathogen Institute of the University of Florida](#)

[EU Project Information Meeting was held in our faculty](#)

[An information seminar on 2209-A and 2209-B student projects in our faculty was organised EAEVE](#)

[Accreditation](#)

[Ranking Ratings](#)

[Prof. Dr. Murat Kanbur's European Association of Veterinary Medicine Educational Institutions](#)

[Achievement VEDEK Accredited Programmes List](#)

[EAEVE Assignment](#)

C.2.2. National and international joint programmes and joint research units

Faculty members and staff of the Faculty are conducting 4 joint doctoral programmes out of 18 doctoral programmes opened by the Institute of Health Sciences. Faculty members and staff have joint studies with institutions within the

university (GENKÖK ERNAM, VECTOR FIGHTING CENTER, etc.) and outside the university (TÜBİTAK, Ministries and other universities).

Deanery of Research 2023 Evaluation Institute of
Health Sciences Activity Evaluation EAEVE
Assignment

- 1 - 2023 Scientific Research Centre Project Information
- 2 - Faculty Members the Workshop at the Emerging Pathogen Institute of the University of Florida Attended
- 3 - EU Project Information Meeting was in our faculty held
- 4 - An information seminar on 2209-A and 2209-B student projects in our faculty was organised
- 5 - EAEVE Accreditation
- 6 - Ranking Ratings
- 7 - Prof. Dr. Murat Kanbur's in the European Association of Veterinary Medicine Educational Institutions Success
- 8 - EAEVE Assignment
- 9 - Deanery of Research 2023 Year Evaluation
- 10 - Institute of Health Sciences Activity Evaluation
- 11 - EAEVE Assignment

5.3- C.3. Research Performance

C.3.1. Monitoring and evaluation of research performance

Monitoring and evaluation of research performances at the faculty is carried out through activities carried out by various commissions established under the supervision of administrative units.

In addition, monitoring and evaluation are carried out on the basis Annual Reports, Strategic Plan and BIDR data as a result of the work and transactions carried out at the faculty during the year. In addition, Department Academic Board meetings, data obtained from BAPSI Academic Incentive Application national and international rankings are utilized.

2023 Unit Annual Report Scientific

Incentive Application Principles

Academic Incentive Application and Review Commission

C.3.2. Evaluation of lecturer/researcher performance

The evaluation of the performance of faculty members and staff/researchers is on Annual Reports, Strategic Plan and BIDR data. In addition, Department Academic Board meetings, data obtained from BAPSI Academic Incentive Application national and international rankings are utilized.

In 2023, there are a total of 62 articles and reviews scanned in SCI-E, SSCI and AHCI in the WOS index by the faculty members and staff. 24 of these publications are open access publications. A total of 2203 citations were made to the published articles. In addition, there are 30 scientific publications ranked in 50% of Incites journal impact value, 2 publications ranked in 10%, 22 publications in university cooperation, 1 publication in industrial cooperation and 8 scientific publications in international cooperation.

Within the scope of Academic Incentive, 51 of our faculty members and staff working within the Faculty benefited. In this context, the lowest 30 and the highest 92.35 points were calculated.

Scientific Purpose Evaluation Commission

Scientific Research Activities Data for 2023

Academic Incentive for 2023 Amounts

Academic Incentive Evaluation

- 1- 2023 Unit Activity Report
- 2- Scientific Incentive Application Principles
- 3- Academic Incentive Application and Review Commission
- 4- Scientific Purpose Evaluation Commission
- 5- 2023 Scientific Research Activities Data
- 6 Academic Incentive Amounts
- 7- Academic Incentive Evaluation

6 - D. SOCIAL CONTRIBUTION

6.1- D.1. Management of Social Contribution Processes and Social Contribution Resources

The knowledge, skills and experiences produced in our faculty are shared with the society through congresses, scientific publications, meetings, events for professional special days, journals ([EÜVF Journal](#) and [POZİTİVET](#)) websites. (Strategic Plan, Annual Report, BİDR).

In our animal hospital, animal health services are provided to Kayseri and neighbouring provinces with a 7-24 service understanding. In 2023, a total of 118,130 animals were examined, 6,698 animals vaccinated, 20,140 hospitalisation services were provided and 37 animals (1 cat, 27 sheep-goats, 4 dogs, 5 cattle) necropsied.

Hospital patient data

Faculty members of our faculty carry out many duties within and outside the university within the scope of social contribution: Prof. Dr. Abdullah İNCİ (ERU ERVEK Member), Prof. Dr. Alparslan YILDIRIM (ERU BAP Coordinator, ERVEK Manager, Board Member of Turkish Parasitology Association), Prof. Dr. Berrin Kocaoğlu GÜÇLÜ (ERU ERÜTAM Board Member), Prof. Dr. Bilal AKYÜZ (ERU Institute of Health Sciences Directorate, Editor of Erciyes University Veterinary Faculty Journal), Prof. Dr. Gültekin ATALAN (ERU DEKAM Deputy Director), Prof. Dr. Gültekin ATALAN (ERU HADYEK). Prof. Dr. Erdal YILMAZ (ERU DEKAM Deputy Director), Prof. Dr. Gültekin ATALAN (ERU HADYEK Chairman), Prof. Dr. Murat KANBUR (ERU ERFARMA Board Member, ERVEK Member, ERU Rectorate Quality Commission Member, EAEVE auditor), Prof. Dr. Önder DÜZLÜ (ERU BAP Scientific Commission Member), Prof. Dr. Vehbi GÜNEŞ (ERU Institute of Health Sciences Directorate, Editor of the Journal of Erciyes University Veterinary Faculty), Prof. Dr. Vehbi GÜNEŞ (ERU DEKAM Director, Hadyek Member, Health Sciences Scientific Research and Publication Ethics Board Member), Assoc. Prof. Dr. Çağrı Çağlar SİNMEZ (ERU HADYEK Member), Ali İlteriş AYKUN (ERU HADYEK Member), Assoc. Prof. Dr. Davut BAYRAM (ERU ERÜTAM Board Member, Provincial Animal Protection Board Member), Prof. Dr. Meryem EREN (ERU ERÜTAM Board Member, Provincial Animal Protection Board Member). Prof. Dr. Meryem EREN (Veterinary Biochemistry Specialty Education Framework Training Program Commission Member), Assoc. Prof. Dr. Ayşe GENÇAY GÖKSU (Member of the Scientific Advisory Board for Biocidal or Biocidal Products Not Containing Active Substances), Assoc. Prof. Dr. Harun HIZLIŞOY (Rectorate Dining Halls Meat Sample Control Officer), Assoc. Prof. Dr. Murat ABAY (Board Member of Turkish Veterinary Gynecology Association, VEDEK Evaluator), Prof. Dr. Yeliz Yıldırım (EU Inspectorate, EAEVE auditor, EAEVE coordinator), Assoc. Assist. Umut ALPMAN (ERU HADYEK Member), Assoc. Gör. Mukaddes BAREL (Rectorate Dining Halls Meat Sample Control Officer), Faculty staff Veterinarian Mustafa ERMIŞ (ERU DEKAM Responsible Veterinarian) carry out various duties.

In addition to professional activities, social, cultural and sportive activities are also carried out regularly every year in our faculty. These activities are planned and organised . In 2023, the [Commemoration Programme of our National Poet Mehmet Akif Ersoy on the 87th Anniversary of his death](#), [24th Term Graduation Programme](#), [4 October World Animal Protection Day Events](#), ["Veterinary Medicine , Second Ceremony by the Culture and Art Commission in the 100th Year of our Republic"](#)

Conference Graduation Day Event, professional courses and seminars (Interhas from Past to Present, Work in the UK, Intellectual Property Rights Basic . Veterinary Medicine in the 100th Year of our Republic" Conference, Second Alumni Event Apron Wearing Ceremony vocational courses and seminars (Interhas from Yesterday to Today, Work in the UK, Basic Training on Intellectual Rights, ERASMUS Exchange Programme in the Heart of Transilvania, Career Opportunities Zoom Seminar, Kayseri Provincial Gendarmerie Training for Staff, EU Project Information Meeting, Information seminar on 2209-A and 2209-B student projects, Morphofunctional and Transnational Aspects of Canine Decidualisation, Seminar , on Combating Addiction Introduction to Rabbit Medicine-Analgesia in Cats and Dogs-Seminar on Skin Tumours in Dogs), scientific identity exam, career days, events (Provide Your Own Milk Within the Scope of "I'm Also Here" Project, Vebinar held at Nakhchivan University Faculty of Veterinary Medicine). In addition, scientific and cultural activities (Exchange programme with IVSA Kayseri from the University of Veterinary Medicine and Pharmacy in Kosice, Exchange programme with the University of Veterinary Medicine and Pharmacy in Košice) were also

organised by the student societies. Our faculty participated in Teknofest and showed success.

In our faculty, cooperation was made with internal and external stakeholders in the implementation of the courses (31.10.2023 Nevşehir Gendarmerie Horse and Dog Training Centre Kmt. (JAKEM) Visit).

The faculty members of our faculty contribute society by producing products and services related to their fields through the companies they have opened in Erciyes University Technopark. In this context, 5 companies have been established by the faculty members of our faculty.

Our faculty members also provide professional information the society with seminars given in schools affiliated to the Ministry of National Education, television and radio programmes. In this context, in 2023, our faculty participated in 2 school visits (75. Yıl İstiklal Special Education and Rehabilitation Centre, October 4th World Animal Protection Day) 2 radio programmes (Prof Dr Murat KANBUR TRT Çukurova Radio Life Prof. Dr Alparslan YILDIRIM TRTRadyo 1 Gün Ötesi Asian Tiger Fly) and 1 TV programme (Prof Dr Feyzullah BEYAZ Kayseri TV1 Culture and Art Programme: Differences Between Human and Animal Brain)

In 2023, 28 scientific articles were published in printed and electronic form in the Journal of ERU Faculty of Veterinary Medicine, and samples of the journal were sent to the library of our University and to the Kayseri Provincial Directorate of the Ministry of Culture and Tourism of the Republic of Turkey.

The activities carried out for the purpose of contributing to the society in our faculty are carried out with the Rectorate budget and Revolving Fund revenues within the scope of defined processes and practices (analytical budget classification) regarding the management of financial resources. The events organised to contribute to the society are organised by the Culture, Art and Organisation Committee.

The activities carried out for social contribution in our faculty are carried out with the contributions of Erciyes University Rectorate. In this context, the transport and accommodation expenses of the guests attending the Tek Health IVSA Congress as invited speakers were covered by our rectorate.

In addition, Mehmet Akif Ersoy Conference Hall is used for the activities carried out in social contribution processes. In this context, 13 events were held in Mehmet Akif Ersoy Conference Hall and recorded in the event book.

Food Hygiene and Technology Department

Clinical Sciences

Department of Animal Husbandry and

Animal Nutrition Department of Basic

Sciences

Department of Preclinical Sciences

- 1 - Mehmet Akif Ersoy Conference Hall Event
- 2 - Preclinical Sciences
- 3 - Animal Husbandry and Animal Nutrition
- 4 - Food Hygiene and Technology
- 5 - Basic Sciences
- 6 - 31.10.2023 Nevşehir Gendarmerie Horse and Dog Training Centre (JAKEM) Visit
- 7 - 2023 patient data
- 8 - Clinical Sciences
- 9 - Commissioner Assignment
- 10- Member of the Scientific Advisory Board for Biocidal or Biocidal Products Not Containing Active Substances

6.2- D.2. Social Contribution Performance

Monitoring and evaluation of social contribution performance Monitoring and evaluation of social contribution performance at the Faculty is based on FR, SP and BİDR data. In addition, some national and international rankings are utilized.

The opinions of the patient owners who receive services from the Faculty of Veterinary Medicine Erciyes University Faculty of Veterinary Medicine Education Research and Practice Hospital are obtained through questionnaires and their satisfaction levels and the issues that need to be improved are evaluated. In 2023, 83.5% patient satisfaction achieved through satisfaction surveys. Evidence [Education and Practice Hospital Patient Satisfaction Survey](#)

The Faculty also carries out studies in line with the United Nations Development Goals:

The [Barrier-Free Campus Certificate](#) obtained by the Faculty in 2021 remains valid. In this context, facilities such as signage for visually impaired students and disabled ramps are available to our students and other members of the society.

In the Faculty, activities are carried out on the issues of ending hunger, healthy individuals, qualified education, clean water and sanitary conditions, reducing inequalities, problematic consumption and production, and creating life in water, which are also included in the United Nations Development Goals. In the Department of Food Hygiene and Technology, Department of Pharmacology and Toxicology, Department of Aquaculture and Diseases, Department of Microbiology, Department of Parasitology, courses such as Veterinary Medicine Public Health, Food Hygiene and Control, Food Legislation, Toxicology (Environmental Toxicology), Parasitic Zoonoses, Bacterial Zoonoses are given. Projects and articles related to the development targets specified in the Faculty Departments have also been published. In this context, International Article 85, National Article 34, International Paper 46, National Paper 18, Book 10, Total 193 publications were prepared by the Faculty researchers in 2023. In 2023, 56 scientific, educational, social and cultural activities were held at the Faculty in the fields of informing the society, post-graduate education, continuing education, stakeholder relations, personal and professional development for staff and students.

1- [Barrier-Free Campus](#)

2- [Patient satisfaction survey](#)

7 - CONCLUSION AND EVALUATION

7.1- . Conclusion

CONCLUSION

Strengths

- 1-The Faculty has two accreditations: international (EAEVE) and national (VEDEK). The processes of preparing for accreditations, accreditation visits and maintaining the accreditations gained have provided the Faculty staff with the ability to adapt to changes and transformations. Accreditations have significant contributions to the internalisation of basic quality processes, such as defining all processes in the Faculty, managing processes transparently and monitoring them with concrete indicators.
- 2-Faculty staff have assumed important administrative/managerial roles within the institution and in national and international organisations. The presence of two EAEVE auditors and VEDEK auditors in the Faculty is an important achievement in terms of quality processes in the Faculty and the University.
- 3-Faculty Education and Research Hospital is the only revolving fund hospital in Kayseri and the region, providing 24/7 service. The hospital important contributions to the development of students' practical training.
- 4-The faculty has a dynamic teaching staff that makes significant contributions to the University YÖKAK, Faculty EAEVE and VEDEK performance indicators. Our faculty members TUBA awards, International Projects and other international collaborations.
- 5-The faculty has well-equipped research laboratories. In addition to the faculty equipment, faculty members also make effective use of the equipment of research centres.
- 6-The faculty a strong communication and cooperation with internal and external stakeholders. These collaborations positively affect the quality and diversity of education.
- 7-The faculty special applications such as measurement and evaluation directive, clinical directive, internship directive, clinical course directive, which enable the evaluation of students' achievements.
- 8- Student and stakeholder representatives part in the relevant commissions and boards at the faculty.

Room for improvement

- 1- Although the faculty has feedback mechanisms from staff, students, stakeholders and alumni, feedback should be received regularly, processed and evaluated in improvement processes.
- 2- The faculty does not have an officially appointed student representative. It is expected that a student representative will be elected and student feedback will be provided in this way.
- 3- Regular meetings of the Faculty Quality Assurance System Commission at periodic intervals may contribute positively to the management and improvement of processes.
- 4- Although the faculty laboratory equipment and hospital facilities contribute to the development of students' practical skills, the number of equine and ruminant examinations and necropsies and ambulance services should be increased.
- 5- Since the completion of the faculty's additional hospital building and forensic medicine unit will increase the quality and quality of education, the construction of these units of vital importance.
- 6- In order for the faculty training and research hospital to be a reference hospital providing the best service in the region, advanced diagnostic (computed tomography, magnetic resonance etc.) and treatment devices/equipment (physiotherapy, acupuncture etc.) rooms (orthopedics, cardiology, neurology, dermatology etc.) should be provided to the hospital.
- 7- In order to provide new students with basic skills such as approaching animals, animal care and feeding, a horse unit should be established near the Faculty, and programmes should be prepared in ERUTAM where they can acquire these skills.
- 8- Although the faculty carries out professional, scientific and social activities for social contribution, it is recommended that these activities be carried out with the participation and support of stakeholders to increase their quality and widespread impact.
- 9- It is recommended to increase the number of international projects and projects with foreign researcher participation in the faculty and to diversify ERASMUS collaborations.

Annex 4.2. FVM-EU 2024 Annual Report

Document Date and Number: 02.01.2025-775717



T.C.
RECTORATE OF ERCIYES UNIVERSITY
Faculty of Veterinary
Registry



Number: E-33238120-040-775717
Subject :2024 Annual Report

02.01.2025

RECTOR'S OFFICE
(Department of Strategy Development)

Interest: Your letter dated 19.11.2024 and numbered 748872.

In accordance with your letter of interest, The Unit Activity Report of our Faculty for the year 2024 is attached. I submit your information and necessity.

Prof. Dr. Murat KANBUR
Dean

Annex: 2024 Annual Report (File)

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UNIT / EXECUTIVE SUMMARY

The Faculty of Veterinary Medicine has been conducting both educational and research activities since its establishment in 1995. Its research results have significantly contributed to the development of animal husbandry both in Kayseri and across Turkey. Particularly, the "Education, Research, and Practice Hospital" provides services 24/7. When looking at the outcomes of these activities over the years, it is evident that they have made substantial contributions to the region's people. Furthermore, since its foundation, the faculty has produced successful veterinarians who practice their profession in various provinces of Turkey, as well as in Kayseri. In the 2023-2024 academic year, 113 new students were enrolled, reflecting the increasing number of students each year.

The duration of education at our faculty is five years. Those who successfully complete this period are entitled to a master's degree and the title of veterinarian. The faculty's goal, based on UNESCO ISCED standards and within the framework of the Bologna Process, is to train veterinarians who align with contemporary developments, focusing on animal and herd health as well as animal welfare. These veterinarians contribute to public health in Turkey under the "One Health" concept. They play a key role in ensuring that animal-derived products intended for human consumption are safe and healthy. In this regard, veterinarians are dedicated to protecting ecosystems, ensuring the production of healthy animals and animal products, and preventing diseases transmitted from animals to humans.

Our faculty is accredited by the national accreditation agency (VEDEK) and the international accreditation organization, the European Association of Establishments for Veterinary Education (EAEVE). It has a highly dynamic structure in terms of national and international research activities, with 30 projects completed in 2024 and 88 ongoing projects.

The faculty consists of five departments: Basic Sciences, Preclinical Sciences, Clinical Sciences, Animal Science, and Animal Nutrition and Food Hygiene and Technology. During the five-year education period, students are required to complete three internships: Internship 1 (10 days), Internship 2 (15 days), and Internship 3 (25 business days).

Particularly during these years of harmonization with the European Union, the importance of the veterinary profession has grown significantly and continues to increase. This trend has provided new job opportunities for veterinarians every year.

The Faculty of Veterinary Medicine aims to further its mission by improving the quality of clinical services, thereby enhancing both education and regional animal husbandry.

Prof. Dr. Murat KANBUR

Dekan



I- GENERAL INFORMATION

Our Mission:

1. To provide continuously updated, scientific research and evidence-based education; to graduate ethical, intellectual, and prestigious individuals who protect animal, human, and environmental health, are competent in their fields, and embrace lifelong learning.
2. To conduct research using advanced technology and share knowledge and experiences through various educational and professional consulting activities.
3. To serve as a national and international source of specialized knowledge, becoming a professional and continuous education center that addresses the ever-changing needs and expectations of society.
4. To integrate professional duties and responsibilities related to climate change into the curriculum, take necessary measures against global problems, and complete the necessary infrastructure work for the use of artificial intelligence in professional fields.

Our Vision:

As one of Turkey's leading Veterinary Faculties, our primary vision is to guide Veterinary Medicine education and research with a broad and holistic perspective. We aim to achieve this by collaborating with national and international centers, promoting the rational use of resources, offering alternative solutions to global issues, fostering teamwork, and upholding the tradition of quality and democracy.

B. Authority, Duties, and Responsibilities

Authority

Dean: The dean is primarily responsible to the Rector for the rational use and development of the faculty's teaching capacity, the implementation of necessary security measures when needed, the provision of essential social services to students, the orderly conduct of education, scientific research, and publication activities, the supervision and auditing of all activities, and ensuring follow-up and the achievement of results.

Duties

- To chair the Faculty Board and the Executive Board, implement decisions made by the faculty boards, and ensure coordinated work among faculty units.
- To submit a report to the Rector at the end of each academic year, or when requested, regarding the general state and functioning of the faculty.
- To inform the Rectorate about the faculty's funding and staffing needs, and to submit budget proposals to the Rectorate after consulting the Faculty Executive Board.

Responsibilities

The faculty oversees and audits its units and personnel at every level.

C. Administrative Information

1- Physical Structure

1.1 Educational Areas and Classrooms

Educational Area	Capacity				
	0–50 (People)	51–75 (People)	76–100 (People)	101–150 (People)	151–250 (People)
Amphitheater	-	-	-	-	1
Classroom	-	4	4	1	-
Computer Lab	4	-	-	-	-
Student Practice Lab	3	-	2	4	-
Student Skills Lab	4	1	4	1	-
Other Labs (Research Labs)	38	-	-	-	-
Total	49	5	10	6	1

1.2- Social Areas

1.2.1. Canteens and Cafeterias

- Number of Canteens: 1
- Canteen Area: 200 m²
- Number of Cafeterias: Not specified
- Cafeteria Area: Not specified

1.2.2. Dining Halls

DINING HALLS

Dining Hall Name	Campus Name	Units	Area (m ²)	Capacity (People)
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
TOTAL				

(To be completed only by the Health, Culture, and Sports Department.)

1.2.3. Guesthouses

GUESTHOUSES

Guesthouse Name	Campus Name	<i>Units</i>	Covered Area (m ²)	Capacity (People)
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
TOTAL				

(To be completed only by the Health, Culture, and Sports Department.)

1.2.4. Lodgings

Lodging Name	Campus Name	Unit	Covered Area (m ²)
-	-	-	-
-	-	-	-
-	-	-	-
TOTAL			

Housing and Real Estate Branch Directorate

1.2.6. Sports Facilities

Campus Name	Sports Facility Name	Indoor Sport Facility		Outdoor Sport Facility	
		Capacity (People)	Area (m ²)	Capacity (People)	Area (m ²)
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

(To be completed only by the Department of Construction Affairs and the Health, Culture, and Sports Department.)

1.2.7. Meeting – Conference Rooms

	Capacity 0-50	Capacity 51-75	Capacity 76-100	Capacity 101-150	Capacity 151-250	Capacity 251 and above
Meeting Room	11	-	-	-	-	-
Conference Room	-	-	-	-	-	1
Seminar Room	-	-	-	-	-	-
Total	11	-	-	-	-	1

1.2.8. Other Social Areas

	Units	Area (m²)	Capacity (People)
Cinema Hall	-	-	-
Student Clubs	4	-	-

Academic/Administrative Staff Rest Room	1	20	-
Education and Recreation Facilities	1	148	50
Preschool Facilities	-	-	-
TOTAL	6	168	50

1.3- Service Areas

Service Areas	Number of Offices	Area (m²)	Number of Users
Academic Staff Service Areas	81	1788	102
Administrative Staff Service Areas	23	500	47
TOTAL	104	2162	149

1.4- Storage, Archive Areas, and Workshops

Storage Type	Number (Units)	Area (m²)
Storage Rooms	3	400
Warehouse	7	450
Archive Areas	1	60

Workshops	-	-
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1.5- Hospital Areas

Hospital Area Type	Number (Units)	Area (m²)
Central Laboratory	1	37.9
Pharmacy	1	11.81
Medical Equipment Storage	1	24.98
Kitchen	1	8,5
Internal Medicine Clinic Units	Number (Units)	Area (m²)
Triage	1	30
Infectious Diseases Examination Room	1	17,39
Vaccination Room	1	12,45
Clinical Laboratory	1	24,98
Exotic Animal Examination Room	1	12
ECG and Imaging Room	1	12,1
Small Animal Examination Room 1	1	24,86

Small Animal Examination Room 2	1	24,86
Dog Hospitalization Unit	1	26
Cat Hospitalization Unit	1	11,76
Dog Intensive Care Unit	1	24,38
Cat Intensive Care Unit	1	11,63
Dog Isolation Unit	1	14,72
Cat Isolation Unit	1	13,74
Horse Isolation Unit	1	20,17
Calf Intensive Care Unit	2	84
Surgical Clinic Units	Number (Units)	Area (m²)
Eye Examination Room and Surgery Room	1	3,8
Dog Examination Room	1	24,86
Preparation Examination Room	1	11,9
Operation Room 1	1	36,34
Sterilization Room	1	11,47
Cat Examination Room	1	11,30

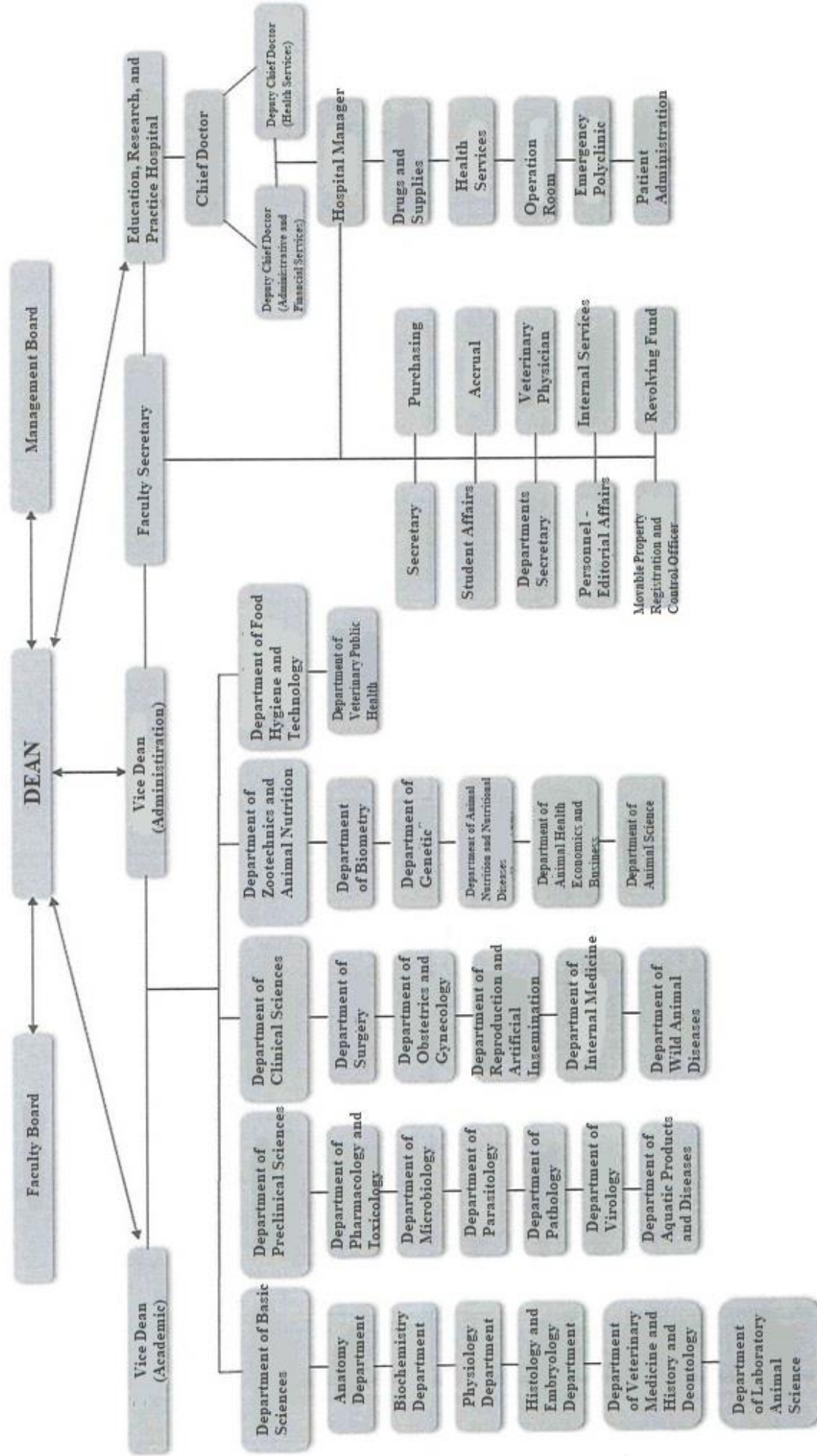
Operation Room 2	1	24,36
Dark Room	1	11,76
X-Ray Room	1	11,34
Large Animal Examination Room	1	24,57
Sterilization Area	1	16,65
Dog Hospitalization Unit	1	19
Cat Hospitalization Unit	1	10
Bird Hospitalization Unit	1	10
Obstetrics and Gynecology Clinic Units	Number (Units)	Area (m²)
Physical Therapy Unit	1	12
Examination Room	1	25
Surgery Room 1	1	12,1
Surgery Room 2	1	24,86
Post-Operative Care Room	1	24,9
Imaging Room	1	24,86
IVF Laboratory	1	24,86

Large Animal Examination Room	1	37,5
Laboratory 1	1	25,86
Clinical Skills Laboratory	1	63,9
Artificial Insemination, Fertility and AndrologyUnits	Number (Units)	Area (m²)
IVF and Embryology Laboratory	1	63,9
Spermatology Analysis Laboratory	1	24,7
Wild Animal Medicine Units	Number (Units)	Area (m²)
Wild Bird Rehabilitation Unit	1	50
Wild Rabbit Rehabilitation Cage	1	6
Pathology Laboratory Unit	Number (Units)	Area (m²)
Cell Culture Laboratory	1	26
Routine Laboratory	1	25,2
Section Laboratory	1	12,1

Pathology Laboratory	1	12,1
General Laboratory	1	12,1
Necropsy Room and Cooling Area	1	56
Central Laboratories	Number (Units)	Area (m²)
Virology 1	1	24,8
Virology 2	1	26,6
Virology 3	1	24,5
Virology 4	1	12

2-Organizational Structure

An organizational chart will be created, and information about the structure will be provided.



3. Information and Technological Resources

3.1 Software

1. ERÜVETO (Hospital Information Management System)
2. VETOPRATIK (Student Learning System)
3. Revolving Fund Performance Calculation Management System
4. Ministry of Agriculture and Forestry Drug Tracking System (İTS)
5. Ministry of Agriculture and Forestry Vaccine Tracking System (ATS)
6. PETVET (Microchip System)

	Number of Units				Total
	For Educational Purposes	For service purposes	For administrative purposes	For Research Purposes	
Servers	-	-	2	-	2
Desktop Computers	20	-	120	75	215
Laptops	8	-	6	34	48
Total	28	-	128	109	265

3.3 Library Resources

Library Resources	Number of Units
Books	479
Printed Periodicals (Journals)	408
Course Books	457
Electronic Publications	-
Others	479
Total	1823

3.4 Other Information and Technological Resources

Type	For administrative purposes (Unit)	For Educational Purposes (Unit)	For Research Purposes (Unit)
Projection	-	29	-

Slide Projectors	-	-	-
Overhead Projector	-	-	-
Epidiascopes	-	-	-
Barcode Printers	1	-	-
Barcode Readers	-	-	-
Printing Machines	-	-	-
Stencil Machines	-	-	-
Photocopiers	-	6	-
Fax Machines	-	1	-
Cameras (Photo)	-	6	-
Video Cameras	-	6	-
Televisions	-	6	-
Scanners	-	33	-
Music Sets	-	-	-
Microscopes	-	159	-
DVDs	-	-	-

3.5 Vehicles

Vehicle Type	Institution-Owned Vehicles Allocated for Duty	Vehicles Acquired Through Service Procurement	Total
---------------------	--	--	--------------

Veterinary Ambulance	1	-	-
Large Animal Transport Trailer	1	-	-
Electric Bicycles	2	-	-
Total	4	-	-

4- Human Resources

4.1 Academic Personnel

NUMBER OF ACADEMIC STAFF WITH THEIR TITLES	
Title	2024
Professor	43
Associated Professor	11
Assistant Professor	16
Lecturer	2
Research Assistant	17
Total	89

4.2 Foreign National Academic Personnel

Foreign Academic Staff		
Title	Country of Origin	Department
Professor	-	-
Associated Professor	-	-
Assistant Professor	-	-
Lecturer	-	-

Translator	-	-
Education Planner	-	-
Research Assistant	-	-
Specialist	-	-
Total	-	-

4.3 Academic Personnel Assigned to Other Universities

Academic Personnel Assigned to Other Universities		
Title	Affiliated Department	Assigned University
Professor	-	-
Associated Professor	-	-
Assistant Professor	-	-
Lecturer	-	-
Translator	-	-
Education Planner	-	-
Research Assistant	-	-
Specialist	-	-
Total	-	-

4.4 Academic Personnel Assigned from Other Universities

Academic Personnel Assigned from Other Universities		
Title	Affiliated Department	Assigned University
Professor	-	-
Associated Professor	-	-

Assistant Professor	-	-
Lecturer	-	-
Translator	-	-
Education Planner	-	-
Research Assistant	1	Sıtkı Kocman University- Mugla
Specialist	-	-
Total	-	-

4.5 Contracted Academic Personnel

Contracted Academic Personnel	
Title	-
Professor	-
Associated Professor	-
Assistant Professor	-
Lecturer	-
Translator	-
Education Planner	-
Research Assistant	-
Specialist	-
Total	-

4.6 Academic Personnel by Age Distribution

4.6 Academic Personnel by Age Distribution						
	21-25y	26-30y	31-35y	36-40y	41-50y	51 and above

Number of People	-	4	12	13	26	28
Percentage (%)	-	4.82%	14.46%	15.66%	31.33%	33.73%

4.7 - Administrative Personnel

Administrative Personnel Based on Staffing Status			
	Filled	Vacant	Total
Services	-	-	-
Health Services Class	20	9	29
Technical Services Class	2	3	5
Education and Training	-	-	-
General Administrative Services Class	14	7	21
Legal Services Class	-	-	-
Religious Services Class	-	-	-
Auxiliary Services	9	1	10
Total	45	20	64

4.8 - Educational Background of Administrative Personnel

Educational Background of Administrative Personnel					
	Primary Education	High School	Associate Degree	Bachelor's Degree	Master's/PhD
Number of Personnel	3	5	20	6	5
Percentage	7.69%	12.82%	51.28%	15.39%	12.82%

4.9 - Length of Service of Administrative Personnel

Length of Service of Administrative Personnel						
	1-3y	4-6y	7-10y	11-15y	16-20y	21 and above
Number of Personnel	7	2	12	9	2	11
Percentage	16.27%	4.65%	27.90%	20.93%	4.65%	25.58%

4.10 - Age Distribution of Administrative Personnel

Age Distribution of Administrative Personnel						
	21-25y	26-30y	31-35y	36-40y	41-50y	51 and above
Number of Personnel	7	12	7	7	14	7
Percentage	12.96%	22.22%	12.96%	12.96%	25.92%	12.96%

4.11 – Workers

Workers (According to Positions They Work In)	
	Total
Permanent Workers	11
Total	11

4.12 - Service Duration of Permanent Workers

Service Duration of Permanent Workers						
	1-3y	4-6y	7-10y	11-15y	16-20y	21 and above
Number of Personnel	1	-	4	4	2	-
Percentage	9.09%	-	36.36%	36.36%	18.18%	-

5-Provided Services

5.1 Educational Services

5.1.1 Student Numbers

Student Numbers									
Unit Name	1st Education			2nd Education			Total		Grand Total
	F	M	Tot	F	M	Tot	F	M	
Faulcties	306	370	676	-	-	-	-	-	676
Colleges	-	-	-	-	-	-	-	-	-
Institutes	-	-	-	-	-	-	-	-	-
Vocational Schools	-	-	-	-	-	-	-	-	-
Total	306	370	676	-	-	-	-	-	676

5.1.2 Foreign Language Prep Class Student Numbers

Foreign Language Prep Class Student Numbers and Their Ratio to the Total Students								
Unit Name	1st Education			2nd Education			Total (a)	Ratio*
	F	M	Tot	F	M	Tot	Number	
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

*(Note: Foreign language prep students in total compared to total student percentage calculated as: "Number of foreign language prep students / Total number of students * 100)

5.1.3 Student Quotas

Student Quotas and Occupancy Rate				
Unit Name	ÖSS	Results of ÖSS	Vacant Spots	Occupancy Rate
	Quota	Placed Students		
Veterinary Faculty	100+3	103	-	103%
Total	100+3	103	-	103%

5.1.4 Master's and Doctorate Programs

Master's and Doctorate Programs				
Institute Name	Unit Name	Master's Students	Doctorate Students	Total
Institute of Health Sciences	Joint Program in Vet. Food Hygiene & Tech. (with Kırıkkale University)		1	1
Institute of Health Sciences	Veterinary Pharmacology and Toxicology	2	8	10
Institute of Health Sciences	Joint Program in Veterinary Pharmacology and Toxicology (with Cumhuriyet University)		3	3
Institute of Health Sciences	Veterinary Microbiology	11	14	25
Institute of Health Sciences	Veterinary Pathology		2	2
Institute of Health Sciences	Veterinary Parasitology	16	9	25
Institute of Health	Veterinary Animal Nutrition and	16	3	19

Sciences	Nutritional Diseases			
Institute of Health Sciences	Veterinary Zootechnics	9	2	11
Institute of Health Sciences	Veterinary Genetics and Biotechnology	1	5	6
Institute of Health Sciences	Veterinary Virology	1		1
Institute of Health Sciences	Veterinary Genetics	1		1
Institute of Health Sciences	Veterinary Biochemistry	2	2	4
Institute of Health Sciences	Joint Program in Veterinary Physiology (with Kırıkkale University)		1	1
Institute of Health Sciences	Veterinary Histology and Embryology	2	8	10
Institute of Health Sciences	Veterinary Anatomy	3	5	8
Institute of Health Sciences	Veterinary Surgery	16	7	23
Institute of Health Sciences	Veterinary Obstetrics and Gynecology	12	6	18
Institute of Health Sciences	Veterinary Internal Medicine	30	25	55
Institute of Health	Veterinary Reproduction and	4		4

Sciences	Artificial Insemination			
Institute of Health Sciences	Veterinary Food Hygiene and Technology	13	13	26
Total		130	114	253

5.1.4.1 YÖK 100/2000 Doctorate Program

YÖK 100/2000 Doctorate Program	
Department	Number of Student
	0
	0
Total	0

5.1.5 Foreign Students

Foreign Students and Departments			
Faculty/Institute/College Name	Female	Male	Total
Veterinary Faculty	25	34	59

5.2 - Health Services

	Bed Count	Patient Count
Emergency Services	-	3.100
Intensive Care Services	-	111
Clinical Treatment Services	-	16.969
Surgery Count	-	785
Outpatient Clinic Patient Count	-	17.105
Laboratory Services	-	3.202
Radiology Services	-	2.946

5.3 - Administrative Services

Within the scope of EAEVE audits, structural and hardware improvements such as ration preparation kitchen, male / female toilets, shower, student rest rooms, arrangement of emergency entrance, dermatology, cardiology, orthopedics, ophthalmology, clinical skills laboratories, intensive care units (cat intensive care, dog intensive care, newborn intensive care, calf intensive care), hospitalization units, wild animal examination units have been renovated within our hospital.

In addition, the floors in the outer courtyard of our Faculty were renewed, renovations were made to eliminate the water leakage problem of our conference hall and necessary corrections were made for the electrical malfunctions of these departments.

5.4 - Other Services

No activities outside the designated responsibilities of our Faculty were conducted.

6-Management and Internal Control System

As of 2024, the Faculty Board of Directors held 63 meetings and the Faculty Board held 5 meetings in our Faculty and took decisions including issues within the scope of the internal control system. In addition, EAEVE Accreditation Commission and VEDEK Accreditation Commissions held many meetings in 2024 to make our Faculty ready for accreditation and carried out evaluations of the Faculty in the fields of “management, quality assurance system, education and training, research and development, social contributions and internationalization”. Accreditation commissions meet regularly and continuously contribute to institutional evaluation.

Other commissions and committees in our faculty also evaluate the strengths and areas open to improvement of the Faculty through meetings held within the scope of their duties and responsibilities. Our faculty has an Internal Control Monitoring and Steering Committee, which conducts examinations upon the request of the Dean's Office, and the reports prepared are submitted to the Dean's Office. In 2024, the committee made internal control visits within the scope of EAEVE and submitted its reports to the Dean's Office.

D- Other Issues

II- PURPOSE and OBJECTIVES

A. Goals and Objectives of the Administration

Our aims are to provide intellectual and prestigious graduates who are competent in their field, aware of the necessity of lifelong learning, aware of the need for lifelong learning, observing ethical values, protecting animal, human and environmental health within the framework of the single health concept by providing continuously updated scientific research and evidence-based education; to conduct research using advanced technology, to share knowledge and experience through various educational and professional consultancy activities; to be a professional and continuing education center

in line with the ever-changing needs and expectations of society as a national and international source of specialized knowledge.

As one of the leading veterinary faculties in Turkey, our goal is to guide veterinary medicine education and research with a broad and holistic perspective within the framework of single health; to cooperate with national and centers, to observe the rational use of resources, to offer alternative solutions to global problems, to be based on teamwork, to develop a tradition of quality and democracy.

In order to achieve these goals, our faculty completed EAEVE and VEDEK accreditation studies in 2024 and succeeded in being accredited to VEDEK and EAEVE. In order to realize the stated goals and objectives, our faculty constantly exchanges views with internal and external stakeholders, and institutional and social benefits are provided through protocols. In 2024, agreements were made with 20 internal and 3 external stakeholders.

The studies carried out with the Rectorate of Erciyes University (trainings and other activities on issues such as Quality, Survey Studies, Education-Training and Hybrid Education) make very important contributions to the achievement of the goals and objectives of our Faculty. Employees of our faculty participated in 10 events organized by Erciyes University in 2024 on occupational health and safety, personal development, distance education, quality and measurement and evaluation.

III- INFORMATION AND EVALUATIONS REGARDING ACTIVITIES

A- Financial Information

1- Budget Implementation Results

TREASURY AID	2024 Budget Allocation	2024 Actual Spending	Realization Rate %
01. Personnel Expenses	97,685,866.96	97,685,866.96	100%
02. Social Security Institution Premium Expenses	11,485,156.89	11,485,156.89	100%
03. Goods and Service Procurement Expenses	152,000.00	152,000.00	100%
04. Current Transfers	160,000.00	160,000.00	100%
05. Capital Expenditures	92,000.00	92,000.00	100%
Total			

2- Activity and Project Information

Under this heading, detailed explanations about the activities and projects conducted during the year covered by the activity report, as well as their results, will be provided.

2.1 Activity Information

TYPE OF ACTIVITY	NUMBER
Symposium/Congress	3
Conference	6
Panel	
Seminar	5
Open Session	1
Talk	1
Theater	
Concert	4
Exhibition	3
Tournament	5
Technical Tour	55
Training Seminar	3
Total	26

2.2 Information on Activities Related to Publications

Publications in Indexed Peer-Reviewed Journals

Publication Type	Count
International Article	168
National Article	44
International Paper	46
National Paper	18
Book	13
Total	193

2.3. Project Information

	Year 2024			
Project Type	Carried Over from Previous Year	Added During the Year	Total	Completed During the Year
TUBITAK	8	1	9	4
Scientific Research	63	49	112	43
Thesis	29	20	49	15
Infrastructure				
San Thesis				
Others	5	1	6	2
Total	105	71	176	64

BAP Support	2024 Spending
Payments Made for Projects	8,775,655 TL
Total	8,775,655 TL

3. Financial Auditing Results

Trial balance details of 2024 year activities of Health Applications and Research Revolving Funds Enterprise of our Faculty are as follow:

PROVISIONAL BALANCE

Accounting Unit: ERCIYES UNIVERSITY VETERINARY FACULTY REVOLVING FUND
ENTERPRISE
Public Administration: -
Book:
Expense Unit:
Expense Unit Type: -
Corporate Code:-
Report Date Selection: Report Date

Start Date: 01.11.2024
End Date: 30.11.2024

Account	Account description	Payable (TL)	Receivable (TL)	Remaining Payable (TL)	Remaining Receivable (TL)	Account
102.01.02	Halk Bankası	938.843,00	882.597,41	56.245,59	0,00	102.01.02
103.0202	Halk Bankası	882.597,41	882.597,41	0,00	0,00	103.0202
123.02	Halk Bankası	773.293,50	749.969,00	23.324,50	0,00	123.02
150.03.01	Medicines and Pharmacologic Products	120.390,80	0,00	120.390,80	0,00	150.03.01
150.03.03	Medical Materials	148.535,50	0,00	148.535,50	0,00	150.03.03
150.03.04	Laboratory Materials	90.300,00	0,00	90.300,00	0,00	150.03.04
190.01	Value Added Tax carryforward	56.358,08	0,00	56.358,08	0,00	190.01
191.04	Deductible VAT Account 10%	25.132,13	25.132,13	0,00	0,00	191.04
191.05	Deductible VAT Account 20%	31.225,95	31.225,95	0,00	0,00	191.05
255.02.99	Other Office Machines and Tools	8.370,00	0,00	8.370,00	0,00	255.02.99
320.09	Payables to Private Sector Companies	454.348,14	454.348,14	0,00	0,00	320.09
360.01.01	Income Tax withheld from salaries and wages	104.207,26	110.599,39	0,00	6.392,13	360.01.01
360.01.09	Other withheld Income Taxes	0,00	3.840,00	0,00	3.840,00	360.01.09
360.03.01	Stamp Tax withheld from salaries and wages	2.807,58	0,00	2.807,58	0,00	360.03.01
360.03.02	Stamp Tax of Contract	0,00	182,02	0,00	182,02	360.03.02
360.03.99	Other deducted Stamp Tax	3.496,41	6.821,61	0,00	3.325,20	360.03.99
360.04.02.04	9/10 VAT Deduction	2.898,77	1.576,31	1.322,46	0,00	360.04.02.04
360.04.02.09	5/10 VAT Deduction	20.000,00	0,00	20.000,00	0,00	360.04.02.09
360.04.02.10	7/10 VAT Deduction	2.716,00	0,00	2.716,00	0,00	360.04.02.10

360.05	Deductions for tax liabilities from progress payments	20.896,76	20.896,76	0,00	0,00	360.05
362.01	Treasury Share to be paid	2.588,42	2.588,42	0,00	0,00	362.01
362.05	Academic Research Project Portions	12.942,07	12.942,07	0,00	0,00	362.05
363.01.03	Performance extra payment	276.292,76	276.292,76	0,00	0,00	363.01.03
600.01.01.01	Outpatient examination, consultation and reporting	0,00	962.167,50	0,00	962.167,50	600.01.01.01
610.03.01.01.01	Outpatient examination, consultation and reporting	300,00	0,00	300,00	0,00	610.03.01.01.01
710.03.02.01.90	Other Stationery and Office Materials Procurements	0,00	1.164,00	0,00	1.164,00	710.03.02.01.90
710.03.02.02.03	Disinfection and solution procurements	0,00	5.400,00	0,00	5.400,00	710.03.02.02.03
740.03.02.01.90	Other Stationery and Office Materials Procurements	1.164,00	0,00	1.164,00	0,00	740.03.02.01.90
740.03.02.02.03	Disinfection and solution procurements	5.400,00	0,00	5.400,00	0,00	740.03.02.02.03
770.03.05.01.07	Consulting Management and Operating Expenses	19.200,00	0,00	19.200,00	0,00	770.03.05.01.07
770.03.05.01.61	Medical Waste Discarding and Transporting Service Procurement Expenses	8.757,23	0,00	8.757,23	0,00	770.03.05.01.61
Account	Account description	Payable (TL)	Receivable (TL)	Remaining Payable (TL)	Remaining Receivable (TL)	Account
770.03.07.01.90	Other Durable Goods and Materials Procurements	11.897,50	0,00	11.897,50	0,00	770.03.07.01.90
770.05.08.01.06	Treasury Share	2.588,42	0,00	2.588,42	0,00	770.05.08.01.06
770.05.08.02.10	Academic Research Project Portion	12.942,07	0,00	12.942,07	0,00	770.05.08.02.10
770.10.02.02.01	Officer	389.851,12	0,00	389.851,12	0,00	770.10.02.02.01
800.03.01.01.01	Outpatient Examination, Consultation and	0,00	962.167,50	0,00	962.167,50	800.03.01.01.01

	Reporting					
805	INCOME RECOGNITION ACCOUNT	962.167,50	300,00	961.867,50	0,00	805
810.03.01.01.01	Outpatient Examination, Consultation and Reporting	300,00	0,00	300,00	0,00	810.03.01.01.01
830.03.02.01.90	Other Stationery and Office Materials Procurements	1.164,00	1.164,00	0,00	0,00	830.03.02.01.90
830.03.02.02.03	Disinfection and solution procurements	5.400,00	5.400,00	0,00	0,00	830.03.02.02.03
830.03.02.06.01	Laboratory Materials and Chemicals and Exercises	90.300,00	0,00	90.300,00	0,00	830.03.02.06.01
830.03.02.06.02	Medical Materials Procurements	148.535,50	0,00	148.535,50	0,00	830.03.02.06.02
830.03.02.06.05	Medical medicines Procurements	120.390,80	0,00	120.390,80	0,00	830.03.02.06.05
830.03.05.01.07	Consulting Management and Operating Expenses	19.200,00	0,00	19.200,00	0,00	830.03.05.01.07
830.03.05.01.61	Medical Waste Discarding and Transporting Service Procurement Expenses	8.757,23	0,00	8.757,23	0,00	830.03.05.01.61
830.03.07.01.02	Office and Work place Machinery and Equipment Procurements	8.370,00	0,00	8.370,00	0,00	830.03.07.01.02
830.03.07.01.90	Other Durable Goods and Materials Procurements	11.897,50	0,00	11.897,50	0,00	830.03.07.01.90
830.05.08.01.06	Treasury Share	2.588,42	0,00	2.588,42	0,00	830.05.08.01.06
830.05.08.02.10	Academic Research Project Portion	12.942,07	0,00	12.942,07	0,00	830.05.08.02.10
830.10.02.02.01	Officer	389.851,12	0,00	389.851,12	0,00	830.10.02.02.01
835	EXPENSE RECOGNITION ACCOUNT	6.564,00	819.396,64	0,00	812.832,64	835
970.03.02.01.90	Other Stationery and Office Materials Procurements	1.164,00	1.164,00	0,00	0,00	970.03.02.01.90
970.03.02.02.03	Disinfection and solution procurements	5.400,00	5.400,00	0,00	0,00	970.03.02.02.03

970.03.02.06.01	Laboratory Materials and Chemicals and Exercises	0,00	90.300,00	0,00	90.300,00	970.03.02.06.01
970.03.02.06.02	Medical Materials Procurements	0,00	148.535,50	0,00	148.535,50	970.03.02.06.02
970.03.02.06.05	Medical medicines Procurements	0,00	120,390,80	0,00	120,390,80	970.03.02.06.05
970.03.05.01.07	Consulting Management and Operating Expenses	0,00	19.200,00	0,00	19.200,00	970.03.05.01.07
970.03.05.01.61	Medical Waste Discarding and Transporting Service Procurement Expenses	0,00	8.757,00	0,00	8.757,00	970.03.05.01.61
970.03.07.01.02	Office and Work place Machinery and Equipment Procurements	0,00	8.370,00	0,00	8.370,00	970.03.07.01.02
970.03.07.01.90	Other Durable Goods and Materials Procurements	0,00	11.897,50	0,00	11.897,50	970.03.07.01.90
970.05.08.01.06	Treasury Share	0,00	2.588,42	0,00	2.588,42	970.05.08.01.06
970.05.08.02.10	Academic Research Project Portion	0,00	12.942,07	0,00	12.942,07	970.05.08.02.10
970.10.02.02.01	Officer	0,00	389.841,12	0,00	389.841,12	970.10.02.02.01
975.03.02.01.90	Other Stationery and Office Materials Procurements	1.164,00	1.164,00	0,00	0,00	975.03.02.01.90
975.03.02.02.03	Disinfection and solution procurements	5.400,00	5.400,00	0,00	0,00	975.03.02.02.03
975.03.02.06.01	Laboratory Materials and Chemicals and Exercises	90.300,00	0,00	90.300,00	0,00	975.03.02.06.01
975.03.02.06.02	Medical Materials Procurements	148.535,50	0,00	148.535,50	0,00	975.03.02.06.02
975.03.02.06.05	Medical medicines Procurements	120.390,80	0,00	120.390,80	0,00	975.03.02.06.05
975.03.05.01.07	Consulting Management and Operating Expenses	19.200,00	0,00	19.200,00	0,00	975.03.05.01.07
Account	Account description	Payable (TL)	Receivable (TL)	Remaining Payable (TL)	Remaining Receivable (TL)	Account
975.03.05.01.61	Medical Waste Discarding and Transporting Service	8.757,23	0,00	8.757,23	0,00	975.03.05.01.61

	Procurement Expenses					
975.03.07.01.02	Office and Work place Machinery and Equipment Procurements	8.370,00	0,00	8.370,00	0,00	975.03.07.01.02
975.03.07.01.90	Other Durable Goods and Materials Procurements	11.897,50	0,00	11.897,50	0,00	975.03.07.01.90
975.05.08.01.06	Treasury Share	2.588,42	0,00	2.588,42	0,00	975.05.08.01.06
975.05.08.02.10	Scientific Research Project Share	12.942,07	0,00	12.942,07	0,00	975.05.08.02.10
975.10.02.02.01	Officer	389.851,12	0,00	389.851,12	0,00	975.10.02.02.01
	TOTAL	7.044.729,66	7.044.729,66	3.570.303,63	3.570.303,63	

B- Unit Strategic Plan Implementation and Evaluation Results

Our Faculty's Unit Strategic Plan Preparation Commission evaluates the relevant year, prepares a report and sends it to the relevant unit/units.

Statement of Internal Control Assurance of the Expenditure Officer

“Internal Control Assurance Declaration” signed by the expenditure authority in the unit activity report, a sample of which is given below is added.

INTERNAL CONTROL ASSURANCE STATEMENT

Within my authority as the expenditure authority;

I declare that the information contained in this report is reliable, complete and accurate.

I declare that the resources allocated to our expenditure unit from the administration budget for the activities described in this report are used effectively, economically and efficiently, that the internal control system provides sufficient assurance regarding the legality and regularity of administrative and financial decisions and related transactions within the framework of my duties and authority, and that process control is effectively implemented in our expenditure unit.

This assurance is based on the matters within my knowledge, such as the information and assessments I have as the expenditure authority, internal controls, internal auditor reports and Court of Accounts reports.

I declare that I have no knowledge of any matter that is not reported here and that harms the interests of the administration. Kayseri .../.../2024



Prof. Dr. Murat KANBUR
Dean

Annex 4.3. FVM-EU Action Plan

[The EU Strategy Action Plan](#) is a plan that shows how the goals, objectives and performance indicators in the strategic plan will be realised through which actions, the units responsible for carrying out these activities and which should provide support services, the start and end dates of the activities and the effect of the action on the target. Within the scope of the Strategy Action Plan; 5 objectives, 22 targets and 106 performance indicators were analysed under the themes of education and training, research and development, social contribution, corporate governance system and sustainable university. 387 action activities were planned for these aims, objectives and performance indicators.

An effective monitoring and evaluation system constitutes an important step in the implementation of the action plan. [The monitoring of the action plan](#) is prepared by utilising the six-month monitoring and annual evaluation data of the Strategic Plan. Action plan monitoring and evaluation process is carried out under the coordination of the Strategy Development Department (SGDB) and in cooperation with the Coordinatorship of Institutional Data Management and Analytics.

EU Strategy Action Plans and Strategy Action Plan Evaluation Reports are published on the EU Quality and Strategy Development Coordinatorship (KASGEK) [website](#).

Annex 4.4 Protokol Template



**ERCIYES UNIVERSITY
FACULTY OF VETERINARY**

.....

COOPERATION PROTOCOL

AIM

ARTICLE 1- Erciyes University Faculty of Veterinary Medicine and have agreed to engage in educational and scientific cooperation in order to promote and develop mutual cooperation and common understanding.

CONTRACTORS (PARTIES)

ARTICLE 2- The parties of the Protocol are Erciyes University Faculty of Veterinary Medicine and

CONTENT

ARTICLE 3- The Parties have agreed to cooperate with the students of the Faculty of Veterinary Medicine and for education, research and the provision of health services to found animals.

ARTICLE 4- The Parties have agreed that the students of the Faculty of Veterinary Medicine should improve their horse-related practices (approach, general examination, diagnosis and treatment, shoeing, riding, etc.).

ARTICLE 5- The Parties have agreed to provide scholarships to the students of the Faculty of Veterinary Medicine.

ARTICLE 6- The Parties have agreed to cooperate in horse-related activities and training of students.

ARTICLE 7- The Parties have agreed to exchange information on professional matters and to inform the public on professional matters.

ARTICLE 8- This Protocol has no financial obligations. This Protocol is not financially binding on either party.

ARTICLE 9- Erciyes University Faculty of Veterinary Medicine and Arena Equestrian are responsible for managing the objectives and articles of the Protocol.

ARTICLE 10- The Parties are responsible for providing the necessary information and taking the necessary measures to ensure the biosafety of students and Veterinarians participating in scientific and educational activities carried out together.

PERIOD

ARTICLE 11- This Protocol enters into force after being signed by the legal representatives of the parties (.../.../.....) and is valid for a period of 5 (five) years. The duration of the Protocol may be extended again if the parties agree in writing.

EFFECTIVE (ENFORCEMENT DATE)

ARTICLE 12- This Protocol and any additional protocols shall enter into force when signed by the legal representatives of both parties.

ARTICLE 13- The parties may terminate the present Protocol by notifying the other party in writing 6 months in advance.

ARTICLE 14- The Parties have agreed that this Protocol shall be valid when signed by the authorized legal representatives of the Parties.

EXECUTIVE AUTHORITIES

ARTICLE 16- This Protocol is executed by the Dean of the Faculty of Veterinary Medicine of Erciyes University and

Erciyes University Faculty of Veterinary Medicine Prof. Dr. Murat KANBUR Dean .../.../.....	
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Annex 4.5. FVM-QA Student Satisfaction Survey

FVM-QA STUDENT SATISFACTION SURVEY FOR THE VEE

Please specify any points you want to mention regarding the questions under the 'Other' option.

1. There are enough toilets and sinks in the

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

2. Toilets and sinks are clean.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

3. Photocopying services are sufficient.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

4. The classrooms are clean.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

5. The lighting in the classrooms is sufficient.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

6. The heating in the classrooms is

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

7. The classrooms are suitable for the student capacity.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

8. The physical facilities of the classrooms and laboratories are

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

9. The products offered in the canteens are of high quality.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

10. The physical environment of the canteen is suitable.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

11. Your satisfaction level with the Education-Teaching and Examination Regulations.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

12. Your satisfaction level with the Faculty's Measurement and Evaluation Principles

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

13. The social and cultural activities organized by the FVM-EU

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

14. The support services provided to students at FVM-EU

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

15. The adequacy of spaces available for students to spend time outside of class in FVM-EU

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

16. The adequacy of educational opportunities provided to students at VTH

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

17. The adequacy of planned field visits at the FVM-EU

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

18. The extent to which the education and training provided at the FVM-EU meet the first-day skills and first-day competencies of EAEVE and VEDEK

☐ None

☐ Low

☐ Medium

☐ High

☐ Very High

☐ Other: _____

19. Your willingness to recommend FVM-EU to prospective students

☐ None

☐ Low

☐ Medium

☐ High

☐ Very High

☐ Other: _____

20. Your willingness to recommend VTH to animal owners in your area

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

21. Please specify any opinions or suggestions you would like to share beyond the survey questions below

Answer _____

Meat Hygiene, Examination and Technology Course Evaluation Survey



1. The homework that is given in class contributes to our learning.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High

2. Assessment and evaluation criteria are explained to students at the beginning of the semester.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High

3. Students receive feedback on how they have performed following each exam.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High

4. Assessment is not only through exams, but also through other work such as homework and projects.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High

5. The educational outcomes specified in the course information package and those delivered in the course are compatible.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High

6. Different teaching techniques (multimedia, digital materials, etc.) are used in class.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High

7. Course content includes examples from current life and professional practice.

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High

8. Theoretical and practical hours of the course are sufficient.

You can write other points you want to mention about the question in the "Other"

- ☐ None
- ☐ Low
- ☐ Medium
- ☐ High
- ☐ Very High
- ☐ Other: _____

9. All applications included in the course information package have been completed.
You can write any other points you want to mention about the question in the "Other" option.

☐ None

☐ Low

☐ Medium

☐ High

☐ Very High

☐ Other: _____

10. Each student is provided with sufficient practice opportunities in the course.
You can write other points you want to mention about the question in the "Other" option.

☐ None

☐ Low

☐ Medium

☐ High

☐ Very High

☐ Other: _____

FVM-EU STUDENT-INTERNSHIP INSTITUTION/ORGANIZATION/BUSINESS EVALUATION SURVEY

The purpose of this survey is to collect information about the institutions/organizations/businesses where internships are done, to use this knowledge for our valuable students after you and thus to continuously improve our internship program.

Institution name, address; *

Answer

Start Date: *

mm/dd/yyyy



Expiration Date: *

mm/dd/yyyy



Institution web address

Answer _____

Institution e-mail

Answer _____

1. Did a veterinarian regularly take care of you at the institution/organization/business where you did your internship?

1	2	3	4	5
☐	☐	☐	☐	☐

2. Were you able to continue and complete your internship in accordance with the internship content? *

1	2	3	4	5
☐	☐	☐	☐	☐

3. Did the institution/organization/business where you did your internship provide you with appropriate facilities (food, transportation, etc.)? *

1	2	3	4	5
☐	☐	☐	☐	☐

4. Did you have the opportunity to take part in interdisciplinary work in the institution/organization/business where you did your internship?

*

1	2	3	4	5
☐	☐	☐	☐	☐

Annex 5. List of Publications

The articles published by the academic staff of FVM-EU in SCI Expanded journals between 2022 and 2024

Authors	Article Title	Source Title	Year	Vol.	Issue	Start Page	End Page	DOI
1) Akçay, A; Çelik, E; Güngör, G; Abay, M	Metaanalysis of subclinical mastitis prevalence in water buffaloes (<i>Bubalus bubalis</i>)	Turkish journal of veterinary & animal sciences	2022	46	5	734	747	10.55730/1300-0128.4248
2) Gram, DY; Sexton, B; Liman, N; Müller, L; Abay, M; Gram, A; Balogh, O	Testicular Expression of Antioxidant Enzymes and Changes in Response to a Slow-Release Deslorelin Implant (Suprelorin® 4.7 mg) in the Dog	Animals	2022	12	18			10.3390/ani12182343
3) Tekeli, MY; Bayram, LÇ; Eraslan, G; Sarica, ZS	The protective effect of chrysin against oxidative stress and organ toxicity in rats exposed to propetamphos	Drug and chemical toxicology	2022	45	6	2664	2677	10.1080/01480545.2021.1981479
4) Abay, S; Ahmed, EF; Aydin, F; Karakaya, E; Mustak, HK	Presence of <i>Clostridioides difficile</i> in cattle feces, carcasses, and slaughterhouses: Molecular characterization and antibacterial susceptibility of the recovered isolates	Anaerobe	2022	75				10.1016/j.anaerobe.2022.102575
5) Tekeli, MY; Kanbur, M	Monensin induces apoptosis in the liver tissue and primary hepatocytes of chicks	Turkish journal of veterinary & animal sciences	2022	46	3	525	+	10.55730/1300-0128.4223
6) Yetismis, G; Yildirim, A; Pekmezci, D; Duzlu, O; Ciloglu, A; Onder, Z; Simsek, E; Ercan, N; Pekmezci, GZ; Inci, A	First report and genotyping of <i>Dientamoeba fragilis</i> in pet budgerigars (<i>Melopsittacus undulatus</i>), with zoonotic importance	Zoonoses and public health	2022	69	5	572	578	10.1111/zph.12949
7) Ceydelioglu, K; Atalan, G; Gram, DY; Perk, G	Comparison of low-level laser and dimethyl sulfoxide applications for the treatment of tendon injury in rabbits	Turkish journal of veterinary & animal sciences	2022	46	3	403	+	10.55730/1300-0128.4210
8) Yilmaz, S; Kaya, E; Yonar, H; Mendil, AS	Doxorubicin-induced oxidative stress injury: The protective effect of kumiss on cardiotoxicity	Journal of the hellenic veterinary medical society	2022	73	3	4545	4558	10.12681/jhvms.27822
9) Akçay, A; Abay, M; Çelik, E	The Meta-Analysis of Conception Rates of Dairy Cattle Treated with the Ovsynch Protocol in Türkiye	Kafkas üniversitesi veteriner fakültesi dergisi	2022	28	4	481	490	10.9775/kvfd.2022.27628
10) Onder, Z; Yildirim, A; Pekmezci, D; Duzlu, O; Karabulut, F; Ozkiloglu, GN; Pekmezci, GZ; Colak, ZN; Ciloglu, A; Yetismis, G; Inci, A	Occurrence and molecular characterization of <i>Enterocytozoon bienersi</i> in water buffaloes (<i>Bubalus bubalis</i>) in Turkey	Acta tropica	2022	233				10.1016/j.actatropica.2022.106568
11) Alan, A; Alan, E; Arslan, K; Daldaban, F; Aksel, EG; Çinar, MU; Akyüz, B	LPS- and LTA-Induced Expression of TLR4, MyD88, and TNF- α in Lymph Nodes of the Akkaraman and Romanov Lambs	Microscopy and microanalysis	2022	28	6	2078	2092	10.1017/S1431927622012314
12) Kara, K	Investigation of the effectiveness of tomato pulp on the in vitro fermentation of working horse diets	Journal of applied animal research	2022	50	1	198	203	10.1080/09712119.2022.2054421
13) Kara, K; Yilmaz, S; Önel, SE; Özbilgin, A	Effects of plantago species herbage and silage on in vitro ruminal fermentation and microbiome	Italian journal of animal science	2022	21	1	1569	1583	10.1080/1828051X.2022.2139201
14) Soylu, Y; Kara, K; Önel, SE; Yilmaz, S; Öztas, MA; Aslan, Ö	The Effect of Total Mix Ration with Xylitol Supplementation on In Vitro Ruminal Total Gas and Methane Production, Digestion Values, Organic Acids, Ammonia-Nitrogen, and the Number of Total Protozoa in Dairy Cattle	Kafkas üniversitesi veteriner fakültesi dergisi	2022	28	2	155	160	10.9775/kvfd.2021.26614
15) Kara, K; Güçlü, BK; Baytok, E	The effect of age and processing on the in vitro fermentation of fibrous feedstuffs by labrador retriever dogs	Veterinary research communications	2022	46	4	1131	1146	10.1007/s11259-022-09987-4
16) Kara, K	Comparison of some mycotoxin concentration and prevalence in premium and economic class of adult dog foods	Italian journal of animal science	2022	21	1	1380	1389	10.1080/1828051X.2022.2117105
17) Tunc, AS; Tasdemir, A; Rocchigiani, G; Karaman, H; Günes, V; Ekebas, G; Ekinci, G; Bayram, LC	The histological and immunohistochemical features of a metastatic mammary carcinosarcoma in a dog - a case report	Veterinarski arhiv	2022	92	1	109	117	10.24099/vet.arhiv.1348

18)	Özbek, M; Beyaz, F; Ergün, E; Ergün, L; Karaca, H; Cabir, A; Alesawi, YAK	Identification of some calcium binding proteins and neural cell markers in rat testis and epididymis during postnatal development	Andrologia	2022	54	11			10.1111/and.14633
19)	Koca, FD	Preparation of thymol incorporated organic-inorganic hybrid nanoflowers as a novel fenton agent with intrinsic catalytic and antimicrobial activities	Inorganic and nano-metal chemistry	2022	52	2	322	327	10.1080/24701556.2021.1980024
20)	Abay, S; Yaman, A; Karakaya, E; Aydın, F	Prevalence and antibacterial susceptibilities of Arcobacter spp. and Campylobacter spp. from fresh vegetables	World journal of microbiology & biotechnology	2022	38	8			10.1007/s11274-022-03315-3
21)	Abayli, H; Aslan, O; Tumer, KC; Can-Sahna, K; Tonbak, S	Predominance and first complete genomic characterization of canine parvovirus 2b in Turkey	Archives of virology	2022	167	9	1831	1840	10.1007/s00705-022-05509-4
22)	Yönez, MK; Erol, M; Erol, H; Atalan, G; Dogan, Z; Kibar, M	Intraocular Pressure Measured by Rebound Tonometry in Seven Raptor Species	Journal of the hellenic veterinary medical society	2022	73	2	3929	3934	10.12681/jhvms.21914
23)	Pamuk, S; Erdogan, M; Yildirim, Y; Onmaz, NE	Salmonella in Food Environments in Canteens: A Focus on Antibiotic and Disinfectant Resistance Patterns	Progress in nutrition	2022	24	2			10.23751/pn.v24i2.12292
24)	Binli, F; Inan, I; Büyükbudak, F; Gram, A; Kaya, D; Liman, N; Aslan, S; Findik, M; Ay, SS	The Efficacy of a 3 β -Hydroxysteroid Dehydrogenase Inhibitor for the Termination of Mid-Term Pregnancies in Dogs	Animals	2022	12	18			10.3390/ani12182475
25)	Sow, MB; Eraslan, G	Toxicokinetics of a single intraperitoneal and oral dose of prallethrin in mice	Veterinarski arhiv	2022	92	5	643	655	10.24099/vet.arhiv.1442
26)	Özen, F; Eraslan, G	Toxicokinetic of cyphenothrin in rabbits	Environmental science and pollution research	2022	29	21	31541	31550	10.1007/s11356-021-17775-x
27)	Onmaz, NE; Yilmaz, DD; Imre, K; Morar, A; Gungor, C; Yilmaz, S; Gundog, DA; Dishan, A; Herman, V; Gungor, G	Green Synthesis of Gold Nanoflowers Using Rosmarinus officinalis and Helichrysum italicum Extracts: Comparative Studies of Their Antimicrobial and Antibiofilm Activities	Antibiotics-basel	2022	11	11			10.3390/antibiotics11111466
28)	Kara, K; Pirci, G; Yilmaz, S; Baytok, E; Yilmaz, K	Effects of fumaric and maleic acids on the fermentation, nutrient composition, proteolysis and in vitro ruminal gas of corn silage	Grassland science	2022	68	4	362	371	10.1111/grs.12377
29)	Berber, E; Canakoglu, N; Tonbak, S; Ozdarendeli, A	Development of a protective inactivated vaccine against Crimean-Congo hemorrhagic fever infection	Heliyon	2022	7	10			10.1016/j.heliyon.2021.e08161
30)	Karadagli, M; Gram, A; Schäfer-Somi, S; Aslan, S; Kayal, D	Expression of GnRH and kisspeptin receptors in the ovary and uterus in deslorelin treated late-prepubertal bitches	Reproduction in domestic animals	2022	57		55	55	
31)	Küçükoflaz, M; Özbek, V; Sariözkan, S; Güçlü, BK; Kara, K	Growth Performance, Ruminal Volatile Fatty Acids, Health Status and Profitability in Calves Fed with Milk Supplemented with Probiotics	Kafkas üniversitesi veteriner fakültesi dergisi	2022	28	3	421	430	10.9775/kvfd.2022.27203
32)	Sariözkan, S; Kuçukoflaz, M	Estimating the production losses due to cystic echinococcosis in water buffaloes (Bubalus bubalis) in Turkey	Veterinary research communications	2022	46	1	203	208	10.1007/s11259-021-09848-6
33)	Kuecukoflaz, M; Sarioezkan, S	Financial losses related to placental retention in dairy herds in Turkey	Arquivo brasileiro de medicina veterinaria e zootecnia	2022	74	6	955	960	10.1590/1678-4162-12782
34)	Özbilgin, A; Kara, K; Su, G	Effect of Citrus Flavonoid on Storage Time and Meat Quality of Pharaoh Quail (Coturnix Pharaoh)	Brazilian journal of poultry science	2022	24	4	1	10	10.1590/1806-9061-2022-1645
35)	Yilmaz, K; Kara, K	The effect of vegetable and animal oils added to different forages and concentrates on the in vitro fermentation parameters in ruminants	Journal of applied animal research	2022	50	1	548	559	10.1080/09712119.2022.2110502
36)	Koca, FD; Muhy, HM; Halici, MG; Gozcelioglu, B; Konuklugil, B	Synthesis of hybrid nanoflowers using extract of Ascoceira mirabilis, a large brown parenchymatous macroalga endemic to the Antarctic Ocean, as the organic component and evaluation of their antimicrobial, catalytic, and antioxidant activities	Applied nanoscience	2022					10.1007/s13204-022-02618-z

37)	Telli, AE; Biçer, Y; Telli, N; Güngör, C; Turkal, G; Onmaz, NE	Pathogenic Escherichia coli and Salmonella spp. in Chicken Carcass Rinses: Isolation and Genotyping by ERIC-PCR	Pakistan veterinary journal	2022	42	4	493	498	10.29261/pakvetj/2022.049
38)	Keles, I; Ekinci, G; Tüfekci, E; Cıtil, M; Günes, V; Aslan, O; Onmaz, AC; Bekdik, IK; Varol, K; Deniz, O	Etiological and Predisposing Factors in Calves with Neonatal Diarrhea: A Clinical Study in 270 Case Series [1]	Kafkas üniversitesi veteriner fakültesi dergisi	2022	28	3	315	326	10.9775/kvfd.2021.26981
39)	Aydin, F; Satıcıoğlu, IB; Ay, H; Kayman, T; Karakaya, E; Abay, S	Description of the two novel species of the genus Helicobacter: Helicobacter anatolicus sp. nov., and Helicobacter kayseriensis sp. nov., isolated from feces of urban wild birds	Systematic and applied microbiology	2022	45	4			10.1016/j.syapm.2022.126326
40)	Arslan, K; Daldaban, F; Kecici, PD; Aksel, EG; Ekiz, B; Akyuz, B; Yılmaz, A; Akcay, A; Iscan, K	Relationship between transport-induced stress and the expression levels of some genes in the peroxisome proliferator-activated receptor (PPAR) signaling pathway in Kivircik lambs	Small ruminant research	2022	212				10.1016/j.smallrumres.2022.106708
41)	Nurettin, C; Engin, B; Sukru, T; Munir, A; Zati, V; Aykut, O	The Seroprevalence of Crimean-Congo Hemorrhagic Fever in Wild and Domestic Animals: An Epidemiological Update for Domestic Animals and First Seroevidence in Wild Animals from Türkiye	Veterinary sciences	2022	9	9			10.3390/vetsci9090462
42)	Sahin, K; Orhan, C; Kucuk, O; Tuzcu, M; Sahin, N; Ozerkan, IH; Sylla, S; Ojalvo, SP; Komorowski, JR	Effects of magnesium picolinate, zinc picolinate, and selenomethionine co-supplementation on reproductive hormones, and glucose and lipid metabolism-related protein expressions in male rats fed a high-fat diet	Food chemistry: molecular sciences	2022	4				10.1016/j.fochms.2022.100081
43)	Özdemir, S; Aksungur, N; Altundas, N; Kara, S; Korkut, E; Özkara, M; Mendil, AS; Öztürk, G	Genome-wide profiling of the expression of serum derived exosomal circRNAs in patients with hepatic alveolar echinococcosis	Gene	2022	814				10.1016/j.gene.2021.146161
44)	Nur, IH; Keles, H; Ünlükal, N; Solmaz, M; Erdogan, E; Pérez, W	A new definition about the relationship of intercellular fluid in the brain with the mandibular and parotid lymph nodes	Microscopy research and technique	2022	85	1	220	232	10.1002/jemt.23898
45)	Sahin, N; Kucuk, O; Orhan, C; Savasli, E; Cakmak, I; Sahin, K	Feeding Zinc-Biofortified Wheat Improves Performance, Nutrient Digestibility, and Concentrations of Blood and Tissue Minerals in Quails	Biological trace element research	2022	200	8	3774	3784	10.1007/s12011-021-02955-0
46)	Aydin, F; Satıcıoğlu, IB; Ay, H; Kayman, T; Karakaya, E; Abay, S	Description of the two novel species of the genus Helicobacter: Helicobacter anatolicus sp. nov., and Helicobacter kayseriensis sp. nov., isolated from feces of urban wild birds (vol 45, 126326, 2022)	Systematic and applied microbiology	2022	45	6			10.1016/j.syapm.2022.126357
47)	Altun, S; Duman, M; Ay, H; Satıcıoğlu, IB	Shewanella oncorhynchi sp. nov., a novel member of the genus Shewanella, isolated from Rainbow Trout (Oncorhynchus mykiss)	International journal of systematic and evolutionary microbiology	2022	72	7			10.1099/ijsem.0.005460
48)	Onel, SE; Aksu, T; Kara, K; Aksu, DS	The effect of Origanum syriacum L. extract and carvacrol on the in vitro digestion, estimated digestion values, ammonia and organic acid concentrations in the fermentation fluid of lucerne herbage	Veterinary medicine	2022	67	6	309	315	10.17221/35/2021-VETMED
49)	Akça, D; Büyük, F; Karakaya, E; Coskun, MR; Çelik, E; Sahin, M; Çelebi, O; Otlı, S; Sağlam, AG; Büyük, E; Durhan, S; Satıcıoğlu, IB; Abay, S; Kayman, T; Aydın, F	Molecular characterization of Bacillus anthracis isolates recovered from nomic and nonomic hosts	Turkish journal of veterinary & animal sciences	2022	46	1	44	51	10.3906/vet-2106-111
50)	Diğer, E; Timurkan, MÖ; Oguz, B; Sahindokuyucu, I; Sahan, A; Ekinci, M; Polat, C; Ergünay, K	Several Tick-Borne Pathogenic Viruses in Circulation in Anatolia, Turkey	Vector-borne and zoonotic diseases	2022	22	2	148	158	10.1089/vbz.2021.0082
51)	Aydin, F; Karakaya, E; Kayman, T; Abay, S; Satıcıoğlu, IB	Helicobacter turcicus sp. nov., a catalase- negative new member of the Helicobacter genus, isolated from Anatolian Ground Squirrel (Spermophilus xanthopyrmnus) in Turkey	International journal of systematic and evolutionary microbiology	2022	72	5			10.1099/ijsem.0.005338

52)	Saticioglu, IB; Mulet, M; Duman, M; Altun, S; Gomila, M; Lalucat, J; García-Valdés, E	First occurrence and whole-genome comparison of <i>Pseudomonas haemolytica</i> isolated in farmed rainbow trout	Aquaculture research	2022	53	12	4472	4486	10.1111/are.15944
53)	Kiyici, JM; Senöz, ZE; Çinar, MU	Association between Natriuretic peptide receptor 2 (npr2) rs208158047 polymorphism and fattening performance of young bulls	Annals of animal science	2022	22	1	109	119	10.2478/aoas-2021-0024
54)	Sohel, MMH; Hoelker, M; Schellander, K; Tesfaye, D	The extent of the abundance of exosomal and non-exosomal extracellular miRNAs in the bovine follicular fluid	Reproduction in domestic animals	2022	57	10	1208	1217	10.1111/rda.14195
55)	Gram, A; Kowalewski, MP	Molecular Mechanisms of Lipopolysaccharide (LPS) Induced Inflammation in an Immortalized Ovine Luteal Endothelial Cell Line (OLENDO)	Veterinary sciences	2022	9	3			10.3390/vetsci9030099
56)	Varol, K; Koç, AN; Bayram, LÇ; Arda, H; Keles, I; Ünlü, M; Günes, V; Ekinci, G; Bekdik, IK; Atalay, MA	Studies on the Effectiveness of Ozone Therapy on the Treatment of Experimentally Induced Keratitis with <i>Candida albicans</i> in Rabbits	Seminars in ophthalmology	2022	37	2	253	264	10.1080/08820538.2021.1995006
57)	Barel, M; Hizlisoy, H; Gungor, C; Dishan, A; Disli, HB; Al, S; Onmaz, NE; Yildirim, Y; Gonulalan, Z	<i>Escherichia coli</i> serogroups in slaughterhouses: Antibiotic susceptibility and molecular typing of isolates	International journal of food microbiology	2022	371				10.1016/j.ijfoodmicro.2022.109673
58)	Kiliç, N; Liman, BC	Determination of acrylamide using the immuno-enzymatic method in commercial dog and cat foods	Turkish journal of veterinary & animal sciences	2022	46	5	748	754	10.55730/1300-0128.4249
59)	Kizilaslan, M; Arzik, Y; White, SN; Piel, LMW; Çinar, MU	Genetic Parameters and Genomic Regions Underlying Growth and Linear Type Traits in Akkaraman Sheep	Genes	2022	13	8			10.3390/genes13081414
60)	Duman, M; Mulet, M; Altun, S; Gomila, M; Lalucat, J; Garcia-Valdes, E; Saticioglu, IB	<i>Pseudomonas anatoliensis</i> sp. nov and <i>Pseudomonas iridis</i> sp. nov. isolated from fish (vol 44, 126198, 2021)	Systematic and applied microbiology	2022	45	1			10.1016/j.syapm.2021.126246
61)	Arzik, Y; Kizilaslan, M; White, SN; Piel, LMW; Çinar, MU	Estimates of genomic heritability and genome-wide association studies for blood parameters in Akkaraman sheep	Scientific reports	2022	12	1			10.1038/s41598-022-22966-8
62)	Arzik, Y; Kizilaslan, M; White, SN; Piel, LMW; Çinar, MU	Genomic Analysis of Gastrointestinal Parasite Resistance in Akkaraman Sheep	Genes	2022	13	12			10.3390/genes13122177
63)	Caferoglu, Z; Sahin, GA; Gonulalan, Z; Hatipoglu, N	Effects of whole-grain barley and oat β -glucans on postprandial glycemia and appetite: a randomized controlled crossover trial	Food & function	2022	13	19	10225	10234	10.1039/d2fo01717b
64)	Aydin, P; Magden, ZBA; Uzuncakmak, SK; Halici, H; Akgun, N; Mendil, AS; Mokhtare, B; Cadirci, E	Avanafil as a Novel Therapeutic Agent Against LPS-Induced Acute Lung Injury via Increasing CGMP to Downregulate the TLR4-NF- κ B-NLRP3 Inflammasome Signaling Pathway	Lung	2022	200	5	561	572	10.1007/s00408-022-00564-9
65)	Arslan, AH; Ciloglu, FU; Yilmaz, U; Simsek, E; Aydin, O	Discrimination of waterborne pathogens, <i>Cryptosporidium parvum</i> oocysts and bacteria using surface-enhanced Raman spectroscopy coupled with principal component analysis and hierarchical clustering	Spectrochimica acta part a-molecular and biomolecular spectroscopy	2022	267				10.1016/j.saa.2021.120475
66)	Orak, F; Gunes, H; Aydin, F	<i>Campylobacter fetus</i> subsp. <i>fetus</i> meningitis in a 2-month-old child: A case report and mini literature review	Kuwait medical journal	2022	54	3	411	415	
67)	Sezer, G; Yay, AH; Sarica, ZS; Gonen, ZB; Onder, GO; Alan, A; Yilmaz, S; Saraymen, B; Bahar, D	Bone marrow-derived mesenchymal stem cells alleviate paclitaxel-induced mechanical allodynia in rats	Journal of biochemical and molecular toxicology	2022	36	12			10.1002/jbt.23207
68)	Bedir, Ö; Gram, A; Dorsam, ST; Grazul-Bilska, AT; Kowalewski, MP	Plane of nutrition and FSH-induced superovulation affect the expression of steroid hormone receptors and growth factors in caruncular tissue of non-pregnant sheep	Domestic animal endocrinology	2022	78				10.1016/j.domaniend.2021.106683
69)	Ozer, M; Ince, S; Suleyman, B; Mammadov, R; Yavuzer, B; Bulut, S; Akbas, N; Mokhtare, B; Mendel, AS; Dinc, K; Borekci, B; Suleyman, H	The Effect of Cerebrolysin on Ischemia Reperfusion-Induced Oxidative and Inflammatory Ovarian Damage in Rats	Latin american journal of pharmacy	2022	41	6	1223	1232	

70)	Demirbas, A; Karsli, B; Dadi, S; Koca, FD; Halici, MG; Ocoy, I	Usnea antarctica (James Ross Island, Antarctica) and Usnea subfloridana (Uludag, Turkey) Incorporated Hybrid Nanoflowers with Their Intrinsic Catalytic and Antimicrobial Activities	Chemistryselect	2022	7	43			10.1002/slct.202202715
71)	Okay, IF; Okay, U; Aydin, IC; Bayram, C; Ertugrul, MS; Mendil, AS; Hacimuftuoglu, A	Centella asiatica extract protects against cisplatin-induced hepatotoxicity via targeting oxidative stress, inflammation, and apoptosis	Environmental science and pollution research	2022	29	22	33774	33784	10.1007/s11356-022-18626-z
72)	Ibis, O; Selçuk, AY; Teber, S; Baran, M; Kaya, A; Özcan, S; Kefelioglu, H; Tez, C	Complete mitogenomes of Turkish tree squirrels, Sciurus anomalus and S. vulgaris, (Sciuridae: Rodentia: Mammalia) and their phylogenetic status within the tribe Sciurini	Gene	2022	841				10.1016/j.gene.2022.146773
73)	Zhang, R; Neuhoﬀ, C; Yang, Q; Cinar, MU; Uddin, MJ; Tholen, E; Schellander, K; Tesfaye, D	Sulforaphane Enhanced Proliferation of Porcine Satellite Cells via Epigenetic Augmentation of SMAD7	Animals	2022	12	11			10.3390/ani12111365
74)	Okay, IF; Okay, U; Gundogdu, OL; Bayram, C; Mendil, AS; Ertugrul, MS; Hacimuftuoglu, A	Syringic acid protects against thioacetamide-induced hepatic encephalopathy: Behavioral, biochemical, and molecular evidence	Neuroscience letters	2022	769				10.1016/j.neulet.2021.136385
75)	Gursul, C; Özçicek, A; Ozkaraca, M; Mendil, AS; Coban, TA; Arslan, A; Özçicek, F; Suleyman, H	Amelioration of oxidative damage parameters by carvacrol on methanol-induced liver injury in rats	Experimental animals	2022	71	2	224	230	
76)	Akar, M; Kayman, T; Abay, S; Solakoglu, T; Karakaya, E; Aydin, F	Clinical relevance of virulence genes in Helicobacter pylori isolates recovered from adult dyspeptic patients in Turkey	Indian journal of medical microbiology	2022	40	2	258	262	10.1016/j.ijmmb.2021.12.018
77)	Güven, OC; Kar, M; Koca, FD	Synthesis of Cherry Stalk Extract Based Organic@Inorganic Hybrid Nanoflowers as a Novel Fenton Reagent: Evaluation of Their Antioxidant, Catalytic, and Antimicrobial Activities	Journal of inorganic and organometallic polymers and materials	2022	32	3	1026	1032	10.1007/s10904-021-02160-5
78)	Paskeh, MDA; Mehrabi, A; Gholami, MH; Zabolian, A; Ranjbar, E; Saleki, H; Ranjbar, A; Hashemi, M; Ertas, YN; Hushmandi, K; Mirzaei, S; Ashrafizadeh, M; Zarrabi, A; Samarghandian, S	EZH2 as a new therapeutic target in brain tumors: Molecular landscape, therapeutic targeting and future prospects	Biomedicine & pharmacotherapy	2022	146				10.1016/j.biopha.2021.112532
79)	Mahabady, MK; Mirzaei, S; Saebfar, H; Gholami, MH; Zabolian, A; Hushmandi, K; Hashemi, F; Tajik, F; Hashemi, M; Kumar, AP; Aref, AR; Zarrabi, A; Khan, H; Hamblin, MR; Ertas, YN; Samarghandian, S	Noncoding RNAs and their therapeutics in paclitaxel chemotherapy: Mechanisms of initiation, progression, and drug sensitivity	Journal of cellular physiology	2022	237	5	2309	2344	10.1002/jcp.30751
80)	Ellis, VA; Kalbskopf, V; Ciloglu, A; Duc, M; Huang, X; Inci, A; Bensch, S; Hellgren, O; Palinauskas, V	Genomic sequence capture of Plasmodium relictum in experimentally infected birds	Parasites & vectors	2022	15	1			10.1186/s13071-022-05373-w
81)	Akar, M; Saticioglu, IB; Karakaya, E; Kayman, T; Abay, S; Solakoglu, T; Vale, FF; Aydin, F	Two novel sequence types of Helicobacter pylori strains: The first report from Turkey	Helicobacter	2022	27	4			10.1111/hel.12907
82)	Erdem, KTO; Bedir, Z; KuyrukluYildiz, U; Tas, HG; Suleyman, Z; Bulut, S; Mendil, AS; Sarigul, C; Unver, E; Suleyman, H	Effect of tocilizumab on ischemia-reperfusion-induced oxido-inflammatory renal damage and dysfunction in rats	Experimental animals	2022	71	4	491	499	10.1538/expanim.22-0034
83)	Ekinci, B; Suleyman, B; Mammadov, R; Gezer, A; Mendil, AS; Akbas, N; Bulut, S; Dal, CN; Suleyman, H	THE EFFECT OF CARVACROL UPON EXPERIMENTALLY INDUCED DIABETIC NEUROPATHY AND NEUROPATHIC PAIN IN RATS	Acta poloniae pharmaceutica	2022	79	5	707	715	10.32383/appdr/155354
84)	Ma, XY; Duan, AQ; Lu, XR; Liang, SS; Sun, PH; Sohel, MMH; Abdel-Shafy, H; Amin, A; Liang, AX; Deng, TX	Novel Insight into the Potential Role of Acylglycerophosphate Acyltransferases Family Members on Triacylglycerols Synthesis in Buffalo	International journal of molecular sciences	2022	23	12			10.3390/ijms23126561

85)	Hashemi, M; Hajimazdarany, S; Mohan, CD; Mohammadi, M; Rezaei, S; Olyaei, Y; Goldoost, Y; Ghorbani, A; Mirmazloomi, SR; Gholinia, N; Kakavand, A; Salimoghadam, S; Ertas, YN; Rangappa, KS; Taheriazam, A; Entezari, M	Long non-coding RNA/epithelial-mesenchymal transition axis in human cancers: Tumorigenesis, chemoresistance, and radioresistance	Pharmacological research	2022	186					10.1016/j.phrs.2022.106535
86)	Entezari, M; Hashemi, D; Taheriazam, A; Zabolian, A; Mohammadi, S; Fakhri, F; Hashemi, M; Hushmandi, K; Ashrafizadeh, M; Zarrabi, A; Ertas, YN; Mirzaei, S; Samarghandian, S	AMPK signaling in diabetes mellitus, insulin resistance and diabetic complications: A pre-clinical and clinical investigation	Biomedicine & pharmacotherapy	2022	146					10.1016/j.biopha.2021.112563
87)	Paskeh, MDA; Asadi, A; Mirzaei, S; Hashemi, M; Entezari, M; Raesi, R; Hushmandi, K; Zarrabi, A; Ertas, YN; Aref, AR; Samarghandian, S; Reiter, RJ; Ren, J	Targeting AMPK signaling in ischemic/reperfusion injury: From molecular mechanism to pharmacological interventions	Cellular signalling	2022	94					10.1016/j.cellsig.2022.110323
88)	Najafi, S; Tan, SC; Raee, P; Rahmati, Y; Asemani, Y; Lee, EHC; Hushmandi, K; Zarrabi, A; Aref, AR; Ashrafizadeh, M; Kumar, AP; Ertas, YN; Ghani, S; Aghamiri, S	Gene regulation by antisense transcription: A focus on neurological and cancer diseases	Biomedicine & pharmacotherapy	2022	145					10.1016/j.biopha.2021.112265
89)	Atasever, A; Mendil, AS; Timurkan, MO	Detection of bovine viral diarrhea virus and bovine herpes virus type 1 in cattle with and without endometritis	Veterinary research forum	2023	14	10	541	547		10.30466/vrf.2023.1999091.3830
90)	Gürbulak, EÇ; Akçay, A	Meta analysis of the prevalence of subclinical mastitis in dairy cattle	Journal of the hellenic veterinary medical society	2023	74	4				10.12681/jhvms.31916
91)	Aksel, EG; Akyüz, B	Investigation of three single-nucleotide polymorphisms (1252 G>A, 2534 G>A, and 2569 T>C) of the MBL1 gene in Anatolian Buffaloes	Turkish journal of veterinary & animal sciences	2023	47	6	529	535		10.55730/1300-0128.4322
92)	Daldaban, F; Kökkaya, S; Arslan, K; Gürbulak, EC; Akyüz, B	Investigation of the Genetic Relationship between Cattle Breeds Using Known SNPs: The Case of the Zavot Cattle Breed	Russian journal of genetics	2023	59	SUPPL 1	36	42		10.1134/S1022795423130045
93)	Kara, K	Chemical composition, lipid peroxidation and in vitro ruminal fermentation of crown vetch (<i>Coronilla varia</i> L.) herbage and silage	Grassland science	2023	69	3	217	228		10.1111/grs.12401
94)	Liman, N	The abundance and localization of claudin-1 and-5 in the adult tomcats (<i>Felis catus</i>) testis, tubules rectus, rete testis, efferent ductules, and epididymis	Anatomical record-advances in integrative anatomy and evolutionary biology	2023	306	8	2153	2169		10.1002/ar.25165
95)	Culbasan, V; Gungor, C; Gundog, DA; Koskeroglu, K; Onmaz, NE	Molecular surveillance of <i>Toxoplasma gondii</i> in raw milk and Artisan cheese of sheep, goat, cow and water buffalo origin	International journal of dairy technology	2023	76	4	948	954		10.1111/1471-0307.12988
96)	Bayram, LC; Isler, CT; Ekebas, G	Determination of reference values for tear production and intraocular pressure in <i>Pygoscelis</i> penguins of the Antarctic Peninsula	Bmc veterinary research	2023	19	1				10.1186/s12917-023-03794-y
97)	Liman, N; Sığsöz, H	The immunolocalization of cadherins and beta-catenin in the cervix and vagina of cycling cows	Veterinary research communications	2023	47	3	1155	1175		10.1007/s11259-023-10075-4
98)	Erdem, T; Koca, FD	Catalytic and antimicrobial activities of cucumber leaf extract-based organic@inorganic hybrid nanoflowers through Fenton-like reaction	Rendiconti lincei-scienze fisiche e naturali	2023	34	4	1255	1261		10.1007/s12210-023-01206-9
99)	Onder, Z; Yildirim, A; Duzlu, O; Ciloglu, A; Yetismis, G; Karabulut, F; Inci, A	Detection of SNPs and benzimidazole resistance in strongyle nematode eggs of horses by allele-specific PCR	Parasitology research	2023	122	9	2037	2043		10.1007/s00436-023-07903-6

100)	Gungor, C; Hizlisoy, H; Onmaz, NE; Gundog, DA; Barel, M; Disli, HB; Dishan, A; Al, S; Yildirim, Y; Gonulalan, Z	Profile of Aliarcobacter spp. from edible giblets: Genetic diversity, antibiotic resistance, biofilm formation	International journal of food microbiology	2023	386				10.1016/j.ijfoodmicro.2022.110047
101)	Kizil, M; Risvanli, A; Abay, M; Safak, T; Kiling, MA; Yilmaz, Ö; Yüksel, BF; Seker, I	Effect of Calf Delivery Mode on Irisin, Asprosin, Leptin, Adiponectin, and Insulin-Like Growth Factor-1 Levels in Dairy Cattle and their Calves	Pakistan journal of zoology	2023	55	4	1527	1535	10.17582/journal.pjz/20221031081040
102)	Nur, IH; Pérez, W; Rutland, CS	Topographic anatomy and vascularization of the glandula thyroidea in rats	Anatomia histologia embryologia	2023	52	4	571	582	10.1111/ahe.12916
103)	Alan, E; Liman, N; Sagsöz, H	Epidermal growth factor receptors and their ligands are expressed in the spleen of the Japanese Quail (Coturnix coturnix japonica) during the post-hatch period	British poultry science	2023	64	1	81	89	10.1080/00071668.2022.2121912
104)	Koskeroglu, K; Barel, M; Hizlisoy, H; Yildirim, Y	Biofilm formation and antibiotic resistance profiles of water-borne pathogens	Research in microbiology	2023	174	5			10.1016/j.resmic.2023.104056
105)	Abayli, H; Aslan, O; Tumer, KC; Can-Sahna, K; Tonbak, S	Investigation of canine chaphamaparvovirus, canine bufavirus, and canine adenovirus in dogs with diarrhea: First report of novel canine bufavirus in Turkey	Virus genes	2023	59	3	427	436	10.1007/s11262-023-01982-4
106)	Koca, FD; Muhy, HM; Halici, MG	Synthesis of hybrid Cu nanoflowers by using Tornabea scutellifera lichen extract, and evaluation of their dye degradation, and antioxidant activities	South african journal of botany	2023	160		394	401	10.1016/j.sajb.2023.07.036
107)	Kose, F; Orhan, I; Alan, A; Cabir, A; Beyaz, F; Duzler, A	A new perspective on the corneo-scleral junction with three types of microscopy techniques	Microscopy research and technique	2023	86	6	629	635	10.1002/jemt.24314
108)	Alan, E; Daldaban, F; Alan, A; Aksel, EG; Orhan, I; Çinar, MU; Akyüz, B; Arslan, K	TLR4, MyD88, and TNF-α Expression in the Lungs of Akkaraman and Romanov Lambs in Response to LPS and LTA	Microscopy and microanalysis	2023	29	4	1488	1502	10.1093/micmic/ozad071
109)	Liman, N	Heat Shock Proteins Are Differentially Expressed in the Domestic Cat (Felis catus) Testis, Epididymis, and Vas Deferens	Microscopy and microanalysis	2023	29	2	713	738	10.1093/micmic/ozac054
110)	Yakan, A; Özkan, H; Kaya, U; Keçeli, HH; Dalkiran, S; Karaaslan, I; Ünal, N; Akçay, A; Arslan, K; Akyüz, B; Güngör, G; Çamdeviren, B; Küçükoflaz, M; Sariözkan, S; Özbeyaz, C	Effects of propylene glycol used at different doses in Akkaraman lambs rations on metabolism-related parameters and liver gene and protein expression during different feeding periods	Animal science journal	2023	94	1			10.1111/asj.13886
111)	Aydin, F; Kayman, T; Abay, S; Hizlisoy, H; Saticioglu, IB; Karakaya, E; Sahin, O	MLST genotypes and quinolone resistance profiles of Campylobacter jejuni isolates from various sources in Turkey	International journal of food microbiology	2023	391				10.1016/j.ijfoodmicro.2023.110137
112)	Sahin, OF; Erol, U; Duzlu, O; Altay, K	Molecular survey of Anaplasma phagocytophilum and related variants in water buffaloes: The first detection of Anaplasma phagocytophilum-like 1	Comparative immunology microbiology and infectious diseases	2023	98				10.1016/j.cimid.2023.102004
113)	Karakaya, E; Aydin, F; Kayman, T; Abay, S	Escherichia coli in different animal feces: phylotypes and virulence genes	World journal of microbiology & biotechnology	2023	39	1			10.1007/s11274-022-03451-w
114)	Saticioglu, IB; Ay, H; Altun, S; Karakaya, E; Gunduz, ES; Aydogdu, D; Yarim, D; Erkek, N; Duman, M	Genomic insight into Myroides oncorhynchi sp. nov., a new member of the Myroides genus, isolated from the internal organ of rainbow trout (Oncorhynchus mykiss)	Antonie van leeuwenhoek international journal of general and molecular microbiology	2023	116	3	291	302	10.1007/s10482-022-01804-x
115)	Tekeli, MY; Eraslan, G; Bayram, LC; Aslan, C; Calimli, S	The protective effects of baicalin and chrysin against emamectin benzoate-induced toxicity in Wistar albino rats	Environmental science and pollution research	2023	30	18	53997	54021	10.1007/s11356-023-26110-5
116)	Gumus, R; Ozbilgin, A; Urcar, G; Kara, K	Effects of Dietary Resveratrol and Curcumin Supplements on Meat Quality and Storage Time in Broilers	Brazilian journal of poultry science	2023	25	4			10.1590/1806-9061-2023-1772
117)	Al, S; Disli, HB; Kürekci, C	Fosfomycin Resistant Enterobacterales Isolated From Chicken Meat in Turkey	Journal of the hellenic veterinary medical society	2023	74	1	5185	5192	10.12681/jhvms.28245
118)	Bahar, O; Eraslan, G	Investigation of the efficacy of diosmin against organ damage caused by bendiocarb in male Wistar albino rats	Environmental science and pollution research	2023	30	19	55826	55845	10.1007/s11356-023-26105-2

119)	Küçükoflaz, M; Güngör, G; Yalçın, BR; Sariozkan, S; Konca, Y	The effects of different choice feeding methods on laying hen performance, egg quality, and profitability	Ankara üniversitesi veteriner fakültesi dergisi	2023	70	3	309	317	10.33988/auvfd.1048979
120)	Aksoy, E; Güler, N; Sözdutmaz, I; Kökkaya, S; Berber, E; Gökso, AG	In Vitro Antiviral Potential of Cucurbitaceae Ecballium elaterium and Its Extract Containing Protease Inhibitors against Bovine Rotavirus	Microbiology research	2023	14	4	2079	2089	10.3390/microbiolres14040140
121)	Altan, S; Sagsöz, H; Kanay, BE; Altan, F; Alan, E; Çevik, R	Tarantula Cubensis Extract and Low-Level Laser Therapy: A Histopathological, Radiological and Serological Analysis of Bone Repair on an Experimental Bone Defect Model	Kafkas üniversitesi veteriner fakültesi dergisi	2023	29	2	125	135	10.9775/kvfd.2022.28697
122)	Özbilgin, A; Kara, K	Effect of adding lavender oil to laying quail diets on performance, egg quality, oxidative status, and fatty acid profile	Tropical animal health and production	2023	55	3			10.1007/s11250-023-03596-2
123)	Özbilgin, A; Mogulkoc, M; Kara, K; Gelen, SU; Karatas, O; Özbek, DU	Effects of Lavender (Lavandula Angustifolia) Essential Oil on Fattening Performance, Meat Quality, Serum Antioxidant Enzymes, Gut Microbiota and Intestinal Histomorphology in Japanese Quails	Brazilian journal of poultry science	2023	25	4			10.1590/1806-9061-2023-1796
124)	Dishan, A; Hizlisoy, H; Barel, M; Disli, HB; Gungor, C; Onmaz, NE; Gonulalan, Z; Al, S; Yildirim, Y	Biofilm formation, antibiotic resistance and genotyping of Shiga toxin-producing Escherichia coli isolated from retail chicken meats	British poultry science	2023	64	1	63	73	10.1080/00071668.2022.2116697
125)	Ciloglu, A; Yildirim, A; Pekmezci, D; Yetismis, G; Simsek, NS; Simsek, E; Duzlu, O; Onder, Z; Kokcu, ND; Pekmezci, GZ; Ellis, VA; Inci, A	A novel one-step multiplex PCR protocol to detect avian haemosporidian parasites in the subgenus Haemoproteus (Kruse, 1890) used to quantify parasite prevalence in domestic pigeons (Columba livia) in Turkey	Veterinary research communications	2023	47	2	511	521	10.1007/s11259-022-09962-z
126)	Hizlisoy, H; Sagiroglu, P; Barel, M; Dishan, A; Gungor, C; Koskeroglu, K; Hizlisoy, S; Atalay, MA	Campylobacter jejuni and Campylobacter coli in human stool samples: antibiotic resistance profiles, putative virulence determinants and molecular characterization of the isolates	World journal of microbiology & biotechnology	2023	39	12			10.1007/s11274-023-03786-y
127)	Bozbek,ÇK; Sentürk, M	Effect of levothyroxine administration on oxidative stress and cytokine levels in rats with experimental hypothyroidism	Journal of the hellenic veterinary medical society	2023	74	1	5227	+	10.12681/jhvms.28743
128)	Kaya, U; Özkan, H; Yazlik, MO; Camdeviren, B; Güngör, G; Karaaslan, I; Dalkiran, S; Keteli, HH; Aktay, A; Yakan, A	Comparative evaluation of major milk quality parameters of Holstein and Simmental cows at different lactation stages under similar environmental conditions	Medycyna weterynaryjna-veterinary medicine-science and practice	2023	79	7	345	355	10.21521/mw.6779
129)	Ölmez, M; Kara, K; Ramay, MS; Riaz, R; Sahin, T	Emmer wheat (Triticum dicoccum)-based intervention in Japanese quail's diet and its impact on performance, carcass yield, meat fatty acids, and fecal volatile fatty acids	Tropical animal health and production	2023	55	4			10.1007/s11250-023-03692-3
130)	Barel, M; Celik, E; Gungor, G; Akcay, A; Gungor, C; Al, S; Hizlisoy, H; Onmaz, NE; Yildirim, Y; Gonulalan, Z	Meta-analysis of the global prevalence of Enterococcus spp. in foods: Antibiotic resistance profile of Enterococcus faecalis and Enterococcus faecium	Annals of animal science	2023	23	1	107	120	10.2478/aoas-2022-0067
131)	Saticioglu, IB; Ay, H; Altun, S; Duman, M	Genomic insight into Chryseobacterium turcicum sp. nov. and Chryseobacterium muglaense sp. nov. isolated from farmed rainbow trout in Turkey	Systematic and applied microbiology	2023	46	1			10.1016/j.syapm.2022.126385
132)	Kara, K; Ozkaya, S; Guclu, BK; Aktug, E; Demir, S; Yilmaz, S; Pirci, G; Yilmaz, K; Baytok, E	In vitro ruminal fermentation and nutrient compositions of potato starch by-products	Journal of animal and feed sciences	2023	32	3	306	315	10.22358/jafs/162268/2023
133)	Cinar, MU; Arslan, K; Sohel, MMH; Bayram, D; Piel, LMW; White, SN; Daldaban, F; Aksel, EG; Akyüz, B	Genome-wide association study of early liveweight traits in fat-tailed Akkaraman lambs	Plos one	2023	18	11			10.1371/journal.pone.0291805
134)	Kaya, U; Yazlik, MO; Özkan, H; Çamdeviren, B; Güngör, G; Dalkiran, S; Keçeli, HH; Karaaslan, I; Yakan, A; Akçay, A	Diagnostic accuracy of milk components for pregnancy diagnosis in mid and late lactation cows	Mljekarstvo	2023	73	3	187	195	10.15567/mljekarstvo.2023.0305

135)	Kara, K; Öztas, MA	The Effect of Dietary Fermented Grape Pomace Supplementation on In Vitro Total Gas and Methane Production, Digestibility, and Rumen Fermentation	Fermentation-basel	2023	9	8			10.3390/fermentation9080741
136)	Aktug, E; Baytok, E; Turkmenoglu, B	Effect of fermented concentrated potato protein on milk yield and fertility parameters in dairy cows in the prepartum and postpartum periods	Large animal review	2023	29	2	51	57	
137)	Kucuk, O; Hess, BW; Paisley, S; Underwood, K; Rule, DC	Increasing long-chain n-3 fatty acids in beef from forage-finished cattle through supplementation with the calcium salts of fish oil	Veterinarski arhiv	2023	93	6	627	640	10.24099/vet.arhiv.1889
138)	Buyuk, F; Karakaya, E; Akar, M; Kayman, T; Tarhane, S; Ozcan, HE; Celebi, O; Satcioglu, IB; Anuk, T; Abay, S; Otlu, S; Aydin, F	A comprehensive study of Helicobacter pylori infection: molecular analysis, antibacterial susceptibility, and histopathological examination	Antonie van leeuwenhoek international journal of general and molecular microbiology	2023	116	12	1261	1273	10.1007/s10482-023-01868-3
139)	Buyuk, F; Karakaya, E; Akar, M; Kayman, T; Tarhane, S; Ozcan, HE; Celebi, O; Satcioglu, IB; Anuk, T; Abay, S; Otlu, S; Aydin, F	A comprehensive study of Helicobacter pylori infection: molecular analysis, antibacterial susceptibility, and histopathological examination (vol 116, pg 1261, 2023)	Antonie van leeuwenhoek international journal of general and molecular microbiology	2023	116	12	1275	1275	10.1007/s10482-023-01886-1
140)	Celik, E; Kayman, T; Buyuk, F; Saglam, AG; Abay, S; Akar, M; Karakaya, E; Bozlak, CEB; Coskun, MR; Buyuk, E; Celebi, O; Sahin, M; Satcioglu, IB; Durhan, S; Baykal, A; Ersoy, Y; Otlu, S; Aydin, F	The canonical Brucella species-host dependency is changing, however, the antibiotic susceptibility profiles remain unchanged	Microbial pathogenesis	2023	182				10.1016/j.micpath.2023.106261
141)	Kose, F; Duzler, A	An anatomical and volumetric study on brain ventricles in sheep using different techniques	Anatomia histologia embryologia	2023	52	5	732	741	10.1111/ah.12930
142)	Demirci, M; Kara, K; Karsli, MA	Determination of quality and nutrient content of artichoke by-products ensilaged with barley and molasses	Journal of animal and feed sciences	2023	32	3	324	330	10.22358/jafs/159346/2023
143)	Maras, G; Ceyhan, Ö; Türe, Z; Sagioglu, P; Yildirim, Y; Sentürk, M	The effect of Bdellovibrio bacteriovorus containing dressing on superficial incisional surgical site infections experimentally induced by Klebsiella pneumoniae in mice	Journal of tissue viability	2023	32	4	541	549	10.1016/j.jtv.2023.07.007
144)	Karimi, K; Mojtavavi, S; Tehrani, PM; Nejad, MM; Rezaee, A; Mohtashamian, S; Hamed, E; Yousefi, F; Salmani, F; Zandieh, MA; Nabavi, N; Rabiee, N; Ertas, YN; Salimimoghadam, S; Rashidi, M; Rahmani, P; Hushmandi, K; Yu, W	Chitosan-based nanoscale delivery systems in hepatocellular carcinoma: Versatile bio-platform with theranostic application	International journal of biological macromolecules	2023	242				10.1016/j.ijbiomac.2023.124935
145)	Ay, C; Ülger, I; Kaliber, M; Hizlisoy, H; Ayasan, T	Effects of Shiitake mushroom (Lentinus edodes) supplementation into quail diets on performance, blood serum parameters and intestine microbial populations	Journal of the hellenic veterinary medical society	2023	74	2	5709	5716	10.12681/jhvms.30094
146)	Ülger, I; Kaliber, M; Hizlisoy, H; Ayasan, T	Effects of Reishi Mushroom (Ganoderma lucidum) Powder Inclusion into Quail Diets on Animal Performance, Carcass Traits, Intestinal Microflora and Serum Parameters	Journal of the hellenic veterinary medical society	2023	74	2	5845	5852	10.12681/jhvms.30440
147)	Ulger, I; Kaliber, M; Hizlisoy, H; Ayasan, T	Effects of Reishi Mushroom (Ganoderma lucidum) Powder Inclusion into Quail Diets on Animal Performance, Carcass Traits, Intestinal Microflora and Serum Parameters	Journal of the hellenic veterinary medical society	2023	74	2	5829	5836	10.12681/jhvms.30440(Original)
148)	Arzik, Y; Kizilaslan, M; Behrem, S; White, SN; Piel, LMW; Cinar, MU	Genome-Wide Scan of Wool Production Traits in Akkaraman Sheep	Genes	2023	14	3			10.3390/genes14030713
149)	Çetin, N; Ciftci, B; Kara, K; Kaplan, M	Effects of gradually increasing drying temperatures on energy aspects, fatty acids, chemical composition, and in vitro ruminal fermentation of acorn	Environmental science and pollution research	2023	30	8	19749	19765	10.1007/s11356-022-23433-7

150)	Ellis, VA; Ciloglu, A; Yildirim, A; Bensch, S	Host shift and natural long-distance dispersal to an oceanic island of a host-specific parasite	Biology letters	2023	19	3			10.1098/rsbl.2022.0459
151)	Duman, M; Buján, N; Altun, S; Romalde, JL; Saticioglu, IB	Population genetic and evolution analysis of <i>Vibrio</i> isolated from Turkish fish farms	Aquaculture	2023	562				10.1016/j.aquaculture.2022.738728
152)	Yüksel, E; Yildirim, A; Imren, M; Canhilal, R; Dababat, AA	<i>Xenorhabdus</i> and <i>Photorhabdus</i> Bacteria as Potential Candidates for the Control of <i>Culex pipiens</i> L. (Diptera: Culicidae), the Principal Vector of West Nile Virus and Lymphatic Filariasis	Pathogens	2023	12	9			10.3390/pathogens12091095
153)	Sabouni, E; Nejad, MM; Mojtavavi, S; Khoshdooz, S; Mojtavavi, M; Nadafzadeh, N; Nikpanjeh, N; Mirzaei, S; Hashemi, M; Aref, AR; Khorrami, R; Nabavi, N; Ertas, YN; Salimimoghadam, S; Zandieh, MA; Rahmanian, P; Taheriazam, A; Hushmandi, K	Unraveling the function of epithelial-mesenchymal transition (EMT) in colorectal cancer: Metastasis, therapy response, and revisiting molecular pathways	Biomedicine & pharmacotherapy	2023	160				10.1016/j.biopha.2023.114395
154)	Taheriazam, A; Abad, GGY; Hajimazdarany, S; Imani, MH; Ziaolhagh, S; Zandieh, MA; Bayanzadeh, SD; Mirzaei, S; Hamblin, MR; Entezari, M; Aref, AR; Zarrabi, A; Ertas, YN; Ren, J; Rajabi, R; Paskeh, MDA; Hashemi, M; Hushmandi, K	Graphene oxide nanoarchitectures in cancer biology: Nano-modulators of autophagy and apoptosis	Journal of controlled release	2023	354		503	522	10.1016/j.jconrel.2023.01.028
155)	Okkay, IF; Okkay, U; Bayram, C; Cicek, B; Sezen, S; Aydin, IC; Mendil, AS; Hacimuftuoglu, A	Bromelain protects against cisplatin-induced ocular toxicity through mitigating oxidative stress and inflammation	Drug and chemical toxicology	2023	46	1	69	76	10.1080/01480545.2021.2011308
156)	Demirbas, A; Karsli, B; Dadi, S; Arabaci, N; Koca, FD; Halici, MG; Ocoşoy, I	Formation of <i>Umbilicaria decussata</i> (Antarctic and Turkey) Extracts Based Nanoflowers with Their Peroxidase Mimic, Dye Degradation and Antimicrobial Properties	Chemistry & biodiversity	2023	20	8			10.1002/cbdv.202300090
157)	Entezari, M; Abad, GGY; Sedghi, B; Ettehadi, R; Asadi, S; Beiranvand, R; Haratian, N; Karimian, SS; Jebali, A; Khorrami, R; Zandieh, MA; Saebfar, H; Hushmandi, K; Salimimoghadam, S; Rashidi, M; Taheriazam, A; Hashemi, M; Ertas, YN	Gold nanostructure-mediated delivery of anticancer agents: Biomedical applications, reversing drug resistance, and stimuli-responsive nanocarriers	Environmental research	2023	225				10.1016/j.envres.2023.115673
158)	Bedir, O; Gram, A; Grazul-Bilska, AT; Kowalewski, MP	The effects of follicle stimulating hormone (FSH)-induced controlled ovarian hyperstimulation and nutrition on implantation-related gene expression in caruncular tissues of non-pregnant sheep	Theriogenology	2023	195		229	237	10.1016/j.theriogenology.2022.10.033
159)	Ilkay, HO; Karabulut, D; Ozocak, GK; Mehmetbeyoglu, E; Kaymak, E; Kisioglu, B; Cicek, B; Akyol, A	Quinoa (<i>Chenopodium quinoa</i> Willd.) supplemented cafeteria diet ameliorates glucose intolerance in rats	Food science & nutrition	2023	11	11	6920	6930	10.1002/fsn.3.3603
160)	Ceylan, A; Karagoz, S; Tekin, S; Kayaci, N; Pekdemir, S; Salem, S; Gokduman, EM; Demirci, E; Sahmetioglu, E; Onses, MS; Kiremitler, NB; Yilmaz, E	TiO ₂ and Ag NPs modified polyacrylonitrile NFs: Antimicrobial, self-cleaning and SERS sensing capabilities for protective clothing applications	Colloids and surfaces a-physicochemical and engineering aspects	2023	678				10.1016/j.colsurfa.2023.132432
161)	Shifflett, SA; Wiedmeyer, T; Kennedy, A; Maestas, L; Bucni, M; Ciloglu, A; Ellis, VA	Prevalence of <i>Borrelia burgdorferi</i> and diversity of its outer surface protein C (ospC) alleles in blacklegged ticks (<i>Ixodes scapularis</i>) in Delaware	Ticks and tick-borne diseases	2023	14	3			10.1016/j.ttbdis.2023.102139
162)	Polat, HK; Ünal, S; Aytekin, E; Karakuyu, NF; Pezik, E; Haydar, MK; Kurt, N; Dogan, O; Mokhtare, B	Formulation development of Lornoxicam loaded heat triggered ocular in-situ gel using factorial design	Drug development and industrial pharmacy	2023	49	9	601	615	10.1080/03639045.2023.2264932

163)	Taherinazam, A; Entezari, M; Firouz, ZM; Hajimazdarany, S; Heydargoy, MH; Moghadassi, AHA; Moghadaci, A; Sadrani, A; Motahhary, M; Nashtifani, AH; Zabolian, A; Tabari, T; Hashemi, M; Raesi, R; Jiang, MY; Zhang, XB; Salimimoghadam, S; Ertas, YN; Sun, DD	Eco-friendly chitosan-based nanostructures in diabetes mellitus therapy: Promising bioplatfroms with versatile therapeutic perspectives	Environmental research	2023	228					10.1016/j.envres.2023.115912
164)	Polat, HK; Arslan, A; Ünal, S; Haydar, MK; Aytekin, E; Gözcü, S; Karakuyu, NF; Mokhtare, B	Formulation Development of Dual Drug-Loaded Thermosensitive Ocular In Situ Gel Using Factorial Design	Journal of pharmaceutical innovation	2023	18	2	768	788		10.1007/s12247-023-09762-1
165)	Hashemi, M; Ghadyani, F; Hasani, S; Olyae, Y; Raei, B; Khodadadi, M; Ziyarani, MF; Basti, FA; Tavakolpournegari, A; Matinmahadi, A; Salimimoghadam, S; Aref, AR; Taheriazam, A; Entezari, M; Ertas, YN	Nanoliposomes for doxorubicin delivery: Reversing drug resistance, stimuli-responsive carriers and clinical translation	Journal of drug delivery science and technology	2023	80					10.1016/j.jddst.2022.104112
166)	Ashrafzadeh, M; Zarrabi, A; Karimi-Maleh, H; Taheriazam, A; Mirzaei, S; Hashemi, M; Hushmandi, K; Makvandi, P; Zare, EN; Sharifi, E; Goel, A; Wang, LZ; Ren, J; Ertas, YN; Kumar, AP; Wang, YZ; Rabiee, N; Sethi, G; Ma, ZW	(Nano)platforms in bladder cancer therapy: Challenges and opportunities	Bioengineering & translational medicine	2023	8	1				10.1002/btm2.10353
167)	Ashrafzadeh, M; Zarrabi, A; Bigham, A; Taheriazam, A; Saghari, Y; Mirzaei, S; Hashemi, M; Hushmandi, K; Karimi-Maleh, H; Zare, EN; Sharifi, E; Ertas, YN; Rabiee, N; Sethi, G; Shen, MZ	(Nano)platforms in breast cancer therapy: Drug/gene delivery, advanced nanocarriers and immunotherapy	Medicinal research reviews	2023	43	6	2115	2176		10.1002/med.21971
168)	Sinmez, CC; Metin, A; Tüfekçi, E; Aykun, AI; Günes, V	Predictors on mental health of owning cats and dogs	Turkish journal of veterinary & animal sciences	2024	48	4				10.55730/1300-0128.4353
169)	Sinmez, CC; Sahin, B	Dr. Sait Bilal Golem (1899-1955): Veterinarian and pioneer researcher of public health in Albania and Turkey	Journal of medical biography	2024	32	1	131	139		10.1177/09677720221138326
170)	Sinmez, CC; Yasar, A; van den Hoven, R	A Comparison of European Union and Turkish Reports on the Statistics of Experimental Animal Use in Toxicity Testing	Atla-alternatives to laboratory animals	2024	52	6	301	315		10.1177/02611929241286885
171)	Aksel, EG; Gürbulak, EC; Abay, M; Demiral, OO	Determination of the Effect of GDF9, BMP15, BMPR1B Gene Polymorphism, and Environmental Factors for Fecundity by Logistic Regression Analysis in Kangal Akkaraman Sheep	Kafkas üniversitesi veteriner fakültesi dergisi	2024	30	4	497	506		10.9775/kvfd.2024.31761
172)	Sinmez, CC; Aykun, AI; Cengiz, RS	A retrospective study of pet owners' complaints against veterinary practices in Türkiye (2012-2021)	Javma-journal of the american veterinary medical association	2024	262	9				10.2460/javma.23.10.0586
173)	Çelik, E; Akçay, A	Meta-analysis and meta-regression of subclinical mastitis prevalences in dairy cattle in Türkiye	Ankara üniversitesi veteriner fakültesi dergisi	2024	71	2	195	206		10.33988/auvfd.1155601
174)	Sinmez, CC; Sahin, B	Dr. Vasfi Samim (1905-1981): A successful veterinarian, artist and sportsman in Albania	Ankara üniversitesi veteriner fakültesi dergisi	2024	71	1	1	8		10.33988/auvfd.1085881
175)	Atasever, A; Yagli, K; Sentürk, M; Ekebas, G; Eren, M	Effect of royal jelly on chronic liver and kidney damage induced by cadmium chloride in rats	Medycyna weterynaryjna-veterinary medicine-science and practice	2024	80	5	212	222		10.21521/mw.6874
176)	Karakaya, E; Abay, S; Aydın, F	The phylogroups and antibiotic susceptibilities of Escherichia coli isolates from the feces of Anatolian Ground Squirrels (Spermophilus xanthopyrmnus)	Microbial pathogenesis	2024	193					10.1016/j.micpath.2024.106783
177)	Gungor, C; Onmaz, NE; Gundog, DA; Yavas, GT; Koskeroglu, K; Gungor, G	Four novel bacteriophages from slaughterhouse: Their potency on control of biofilm-forming MDR S. aureus in beef model	Food control	2024	156					10.1016/j.foodcont.2023.110146

178)	Ekinci, G; Tüfekçi, E; Abozaid, AMA; Kökkaya, S; Sayar, E; Onmaz, AC; Çitil, M; Günes, V; Göksu, AG; Keleys, I	Efficacy of Filgrastim in Canine Parvoviral Enteritis Accompanied by Severe Leukopenia	Kafkas üniversitesi veteriner fakültesi dergisi	2024	30	4			10.9775/kvfd.2023.31456
179)	Karademir, GK; Atelge, M; Yetişmiş, K; Yetişmiş, G; Uslu, S; Çiloglu, A; Önder, Z; Özbel, Y; Pekmezci, GZ; Yıldırım, A; Düzlül, Ö; Toz, S; Pekmezci, D; İnci, A	Phylogenetic characterization of two common sandflies, <i>Phlebotomus major</i> and <i>P. kandelakii</i> , in İnebolu District of the West Black Sea Region, Türkiye based on mitochondrial gene sequence analysis	Ankara üniversitesi veteriner fakültesi dergisi	2024	71	4	427	436	10.33988/auvfd.1372324
180)	Dishan, A; Hizlisoy, H; Onmaz, NE; Yıldırım, Y; Gonulalan, Z; Al, S	Comprehensive analysis of Salmonella in poultry meat and products in Türkiye: Prevalence, antibiotic susceptibility and genomic characterisation	International journal of food science and technology	2024	59	5	3412	3422	10.1111/ijfs.17097
181)	Gökalp, G; Kirbas, A; Sayar, E; Tüfekçi, E; Aslan, NE	Treatment and Determination of the Presence of <i>Helicobacter</i> in Shelter dogs by Faecal Antigen Testing and Enzyme-Linked Immunosorbent Assay	Revista científica-facultad de ciencias veterinarias	2024	34	1			10.52973/rcfcv-e34325
182)	Disli, HB; Hizlisoy, H; Gungor, C; Barel, M; Dishan, A; Gundog, DA; Al, S; Onmaz, NE; Yıldırım, Y; Gonulalan, Z	Investigation and characterization of <i>Aliarcobacter</i> spp. isolated from cattle slaughterhouse in Türkiye	International microbiology	2024	27	4	1321	1332	10.1007/s10123-023-00478-3
183)	Karakaya, I; Arslanhan, BA; Önder, Z	Detection of mutations in the voltage-gated sodium channel gene of <i>Varroa destructor</i> (Acari: Varroidae) populations	Veterinary parasitology-regional studies and reports	2024	56				10.1016/j.vprsr.2024.101121
184)	Hizlisoy, H; Barel, M; Dishan, A; Al, S; Gungor, C; Koskeroglu, K; Disli, HB; Hizlisoy, S; Onmaz, NE; Yıldırım, Y; Gonulalan, Z; Gumussoy, KS	Profiles of <i>Campylobacter jejuni</i> from raw retail chicken meat: genetic diversity, pathogenic features, and antibiotic resistance	International journal of food science and technology	2024	59	8	5537	5550	10.1111/ijfs.17277
185)	Sinmez, CC; Tüfekci, E; Demir, BS; Eken, A; Gunes, V; Ekici, S; Bozkaya, E; Aykun, Al	Investigation of immunomodulatory and cytotoxic effects of shed snake skin (<i>Elaphe sauromates</i>) extract	Frontiers in pharmacology	2024	15				10.3389/fphar.2024.1270970
186)	Gram, DY; Abay, M; Liman, N; Tekin, M; Kowalewski, MP; Gram, A	The effects of the activation of TLR2/TLR1 on in vitro angiogenesis in an immortalized ovine luteal endothelial cell line	Reproduction	2024	168	4			10.1530/REP-23-0368
187)	Abay, M; Abay, S; Müstak, HK; Diker, KS; Gümüşsoy, KS; Saticioglu, IB; Aydın, F	Investigation of <i>Aliarcobacter</i> spp. and <i>Campylobacter</i> spp. in uterine contents of cows: Antibacterial susceptibility and phylogenetic analysis of the isolates	Microbial pathogenesis	2024	194				10.1016/j.micpath.2024.106810
188)	Hizlisoy, H; Dishan, A; Bekdik, IK; Barel, M; Koskeroglu, K; Ozkaya, Y; Aslan, O; Yilmaz, OT	<i>Candida albicans</i> in the oral cavities of pets: biofilm formation, putative virulence, antifungal resistance profiles and classification of the isolates	International microbiology	2024					10.1007/s10123-024-00552-4
189)	Türk, S; Keles, I	Adipokine concentrations in sheep with experimental pregnancy toxemia. A randomized, controlled clinical trial	Revista científica-facultad de ciencias veterinarias	2024	34	3			10.52973/rcfcv-e34451
190)	Koca, FD; Muhy, HM; Halici, MG	Catalytic and Antioxidant Activity of <i>Desmarestia menziesii</i> Algae Extract Based Organic@Inorganic Hybrid Nanoflowers	Journal of inorganic and organometallic polymers and materials	2024	34	3	1282	1292	10.1007/s10904-023-02889-1
191)	Gökçek, I; Uyanik, G; Tutar, T; Gözer, A	Effects of carvacrol on hormonal, inflammatory, antioxidant changes, and ovarian reserve in polycystic ovary syndrome in Wistar rats	Naunyn-schmiedebergs archives of pharmacology	2024					10.1007/s00210-024-03588-5
192)	Uyanik, G; Abay, M; Demiral, ÖO	Effect of post-mating GnRH or TAK-683 (Kisspeptin analog) treatment on the reproductive performance and serum progesterone concentration in ewes during the non-breeding season	Small ruminant research	2024	238				10.1016/j.smallrumres.2024.107331
193)	Demiroglu, EG; Sahin, M; Karakaya, E; Saticioglu, IB; Ersoy, Y; Guran, O; Guran, C; Abay, S; Aydın, F; Buyuk, F	Virulence Genes Prevalence and Enterobacterial Repetitive Intergenic Consensus-PCR Profiles of Goose-Derived <i>Campylobacter jejuni</i> Isolates	Journal of food safety	2024	44	5			10.1111/jfs.13161
194)	Erol, H; Balcioglu, E; Daldaban, F; Arslan, K; Dönder, Y; Akyüz, B	The Comparison of the Effects of Platelet Rich Plasma and Streptokinase on Intra-Abdominal Adhesion: In the Rat Cecum Model	Pakistan veterinary journal	2024	44	3	794	802	10.29261/pakvetj/2024.220

195)	Sayar, E; Keles, I	Investigation of the diagnostic and prognostic importance of Tumor Necrosis Factor- α (TNF- α), Procalcitonin (PCT), Interleukin-6 (IL-6) and Haptoglobin (HP) in calves with neonatal diarrhea	Veterinary immunology and immunopathology	2024	277					10.1016/j.vetimm.2024.110837
196)	Kara, K; Yilmaz, S; Güçlü, BK; Demir, S	In vitro ruminal fermentation, core nutrient, fatty acids and mineral matter of pennyroyal (<i>Mentha pulegium</i> L.) herbage at different phenological stages	Veterinary medicine and science	2024	10	2				10.1002/vms3.1397
197)	Sariözkan, S; Küçükoflaz, M	Total financial and avoidable losses due to lameness in Turkish dairy herds	Ankara üniversitesi veteriner fakültesi dergisi	2024	71	3	329	334		10.33988/auvfd.1214635
198)	Kara, K; Altınsoy, A	Comparison of forages' digestion levels for different in vitro digestion techniques in horses	Veterinary medicine and science	2024	10	2				10.1002/vms3.1373
199)	Karademir, GK; Teber, S; Kulig, CC; Toroslu, AM; Ibis, O; Yildirim, A	Complete Mitochondrial Genome Analyses of <i>Forcipomyia pulchritorax</i> (Diptera: Ceratopogonidae): Genome Orientation and Phylogenetic Implications	Kafkas üniversitesi veteriner fakültesi dergisi	2024	30	2				10.9775/kvfd.2023.30825
200)	Kanmaz, YA; Yilmaz, S; Özen, A; Sahin, FS	Isolation and Characterization of Adipose-Derived Mesenchymal Stem Cells (ADSCs) from Sheep and Goats	Pakistan veterinary journal	2024	44	4	1193	1200		10.29261/pakvetj/2024.287
201)	Heybet, Z; Ozkaya, Y; Gundog, DA; Gungor, C; Onmaz, NE	Animal-originated foods as Potential sources of multidrug-resistant diarrheagenic <i>E. coli</i> Pathotypes in Kayseri, Türkiye	Food control	2024	164					10.1016/j.foodcont.2024.110586
202)	Küçükoflaz, M; Akin, MA; Zaman, CI; Aydın, E; Sariözkan, S	Evaluation of the Effect of Exchange Rate and Energy Prices on Livestock Products and Feed Prices in Türkiye with Path Analysis	Kafkas üniversitesi veteriner fakültesi dergisi	2024	30	4				10.9775/kvfd.2024.31893
203)	Dishan, A; Gönülalan, Z	<i>Lactaseibacillus paracasei</i> AD22 Stress Response in Brined White Cheese Matrix: In Vitro Probiotic Profiles and Molecular Characterization	Probiotics and antimicrobial proteins	2024						10.1007/s12602-024-10216-4
204)	Sen, G; Evcı, S; Kara, K; Kara, K; Erol, T	The effects of adding molasses and inoculant to silages of fodder pea and rye grass in different proportions on silage quality	Journal of the hellenic veterinary medical society	2024	75	1				10.12681/jhvms.33127
205)	Gökçek, I; Gözer, A; Kutlu, T; Güvenç, M; Aydın, L; Uyanik, G	Protective Effect of Tyrosol on Cisplatin-Induced Ovarian Inflammation and Oxidative Stress in Rats	Revista científica-facultad de ciencias veterinarias	2024	34	3				10.52973/rcfcv-e34444
206)	Yakan, A; Özkan, H; Kaya, U; Keçeli, HH; Karaaslan, I; Dalkiran, S; Akçay, A; Ünal, N; Sariözkan, S; Akyüz, B; Arslan, K; Çamdeviren, B; Güngör, G; Küçükoflaz, M; Özbeyaz, C	The effects of the feeding duration of propylene glycol on major meat quality parameters and substantial proteins in the muscle of Akkaraman lambs	Meat science	2024	217					10.1016/j.meatsci.2024.109615
207)	Ömüer, AD; Kaynar, O; İleritürk, M; Özkara, M; Öztürk, AE; Bodu, M; Sahin, IN; Akarsu, SA	IMMUNOFLUORESCENCE AND BIOCHEMICAL INVESTIGATION OF THE PROTECTIVE EFFECTS OF NARINGIN AND DIOSMIN ON THE FREEZABILITY OF MERINO RAM SEMEN	Cryoletters	2024	45	5	309	319		10.54680/fr24510110412
208)	Tekeli, MY; Koc, F; Calimli, S; Aslan, C	Effect of chrysin on oxidative stress, biochemical, and inflammatory alterations in Wistar albino rats exposed to cypermethrin	Indian journal of experimental biology	2024	62	5	349	358		10.56042/ijeb.v62i05.2887
209)	Koca, FD; Sahin, B	Green synthesis of NiFe ₂ O ₄ nanoparticles and evaluation of their photocatalytic activities	Inorganic and nano-metal chemistry	2024						10.1080/24701556.2024.2356034
210)	Karadağ, MA; Gram, A; Schäfer-Somi, S; Aslan, S; Kaya, D	Expression of GnRH, Kisspeptin, and Their Specific Receptors in the Ovary and Uterus in Deslorelin-Treated Late-Prepubertal Bitches	Veterinary sciences	2024	11	12				10.3390/vetsci11120591
211)	Aslan, NE; Erol, H; Balcioglu, E; Yalcin, B	Efficiency of ozone (O ₃) therapy on experimental acidic skin burns in rats	Veterinaria mexico	2024	11					10.22201/fmvz.24486760e.2024.1203
212)	Ekinci, G; Tüfekçi, E; Cissé, Y; Bekdik, IK; Onmaz, AC; Aslan,Ö; Günes, V; Çitil, M; Keles, I	Chloride and lactate as prognostic indicators of calf diarrhea from eighty-nine cases	Journal of veterinary science	2024	25	3				10.4142/jvs.23155

213)	Dishan, A; Barel, M; Hizlisoy, S; Arslan, RS; Hizlisoy, H; Gundog, DA; Al, S; Gonulalan, Z	The ARIMA model approach for the biofilm-forming capacity prediction of <i>Listeria monocytogenes</i> recovered from carcasses	Bmc veterinary research	2024	20	1			10.1186/s12917-024-03950-y
214)	Bayram, B; Liman, N; Alan, E; Sagsöz, H	Angiogenic and anti-angiogenic factors during the post-hatching growth of the quail (<i>Coturnix coturnix japonica</i>) spleen	Anatomical record-advances in integrative anatomy and evolutionary biology	2024	307	11	3606	3622	10.1002/ar.25454
215)	Koca, FD; Halici, MG; Isik, Y; Ünal, G	Green synthesis of Ag-ZnO nanocomposites by using <i>Usnea florida</i> and <i>Pseudevernia furfuracea</i> lichen extracts and evaluation of their neurotoxic effects	Inorganic and nano-metal chemistry	2024	54	9	818	825	10.1080/24701556.2022.2078351
216)	Arslan, K; Daldaban, F; Bayram, D; Sohel, MH; Akyuez, B; Cinar, MU	Investigation of Expression Levels of Transcription Factor Genes in Native Sheep Breeds of Türkiye	Russian journal of genetics	2024	60	7	932	938	10.1134/S1022795424700364
217)	Gelen, SU; Imik, A; Kara, K; Can, MB	The Effect of Corn and Wheat Glutens Fed to Lambs on Some Microbial and Chemical Properties of <i>Musculus Longissimus Dorsi</i> and Determination of Intramuscular and Tail Fatty Acid Profile	Anais da academia brasileira de ciencias	2024	96				10.1590/0001-3765202420231255
218)	Aslan, C; Eraslan, G	Effect of baicalin and baicalin-bovine serum albumin nanoparticle against bendiocarb exposure in rats	Toxicology research	2024	13	5			10.1093/toxres/tfae134
219)	Saticioglu, IB; Ay, H; Altun, S; Ajmi, N; Gunduz, ES; Gocmen, H; Duman, M	<i>Flavobacterium acetivorans</i> sp. nov. and <i>Flavobacterium galactosidilyticum</i> sp. nov., psychrotolerant flavobacteria isolated from cultivated fish	International journal of systematic and evolutionary microbiology	2024	74	5			10.1099/ijsem.0.006369
220)	Saticioglu, IB; Ay, H; Altun, S; Ajmi, N; Gunduz, ES; Gocmen, H; Duman, M	Comprehensive genome analysis of five novel flavobacteria: <i>Flavobacterium piscisymbiosum</i> sp. nov., <i>Flavobacterium pisciphilum</i> sp. nov., <i>Flavobacterium flavipigmentatum</i> sp. nov., <i>Flavobacterium lipolyticum</i> sp. nov. and <i>Flavobacterium cupriresistens</i> sp. nov.	Systematic and applied microbiology	2024	47	4			10.1016/j.syapm.2024.126518
221)	Cagri, MA; Sahin, M; Ersoy, Y; Aydin, C; Buyuk, F	Geese as reservoirs of human colon cancer-associated <i>Streptococcus gallolyticus</i>	Research in veterinary science	2024	176				10.1016/j.rvsc.2024.105341
222)	Koca, FD; Demirbas, A; Halici, MG; Ocoy, I	Bio-synthesis of graphene oxide-decorated silver nanocomposites using <i>Usnea antarctica</i> and <i>Umbilicaria antarctica</i> from Antarctic Peninsula and evaluation of their antimicrobial activities	Rendiconti lincei-scienze fisiche e naturali	2024	35	2	513	522	10.1007/s12210-024-01246-9
223)	Ulusan, M; Erdogan, MA; Simsek, O; Gunes, V; Erbas, O	<i>Saccharomyces boulardii</i> Mitigates Fructose-Induced Non-Alcoholic Fatty Liver in Rats	Medicina-lithuania	2024	60	10			10.3390/medicina60101713
224)	Ermis, M; Çiftci, G	Role of curcumin on beta-amyloid protein, tau protein, and biochemical and oxidative changes in streptozotocin-induced diabetic rats	Naunyn-schmiedebergs archives of pharmacology	2024	397	12	9833	9844	10.1007/s00210-024-03231-3
225)	Karadal, F; Onmaz, NE; Hizlisoy, H; Yildirim, Y; Al, S; Gonulalan, Z; Bagci, C	Toxigenic <i>Staphylococcus aureus</i> in some animal-originated food products marketed in Turkey: presence and Public Health concerns	Veterinaria italiana	2024	60	1			10.12834/VetIt.3022.21271.2
226)	Ekinci, G; Deniz, O; Tüfekci, E; Timur, MC; Onmaz, AC; Günes, V; Citiş, M; Keles, I; Hoven, RVD	Could Serum Collectin-11, surfactant protein-A and D be suitable biomarkers for assessing pulmonary damage caused by <i>Rhodococcus equi</i> infection in foals on large farms?	Polish journal of veterinary sciences	2024	27	3	355	362	10.24425/pjvs.2024.149367
227)	Gümüş, E; Bayraktaroglu, AG; Kara, K; Aksoy, NH; Cufadar, Y	Influence of the Dietary Supplement of Protected Calcium Butyrate in Growing Japanese Quail Diets on Performance, Carcass Parameters, Blood Serum Biochemical Status, Meat Quality, and Jejunum Histomorphology	Ankara üniversitesi veteriner fakültesi dergisi	2024	71	2	117	124	10.33988/auvfd.1091450
228)	Aydin, F; Tarhane, S; Karakaya, E; Abay, S; Kayman, T; Güran, O; Bozkurt, E; Üzüem, N; Avcı, A; Olgun, K; Jablonski, D; Güran, C; Saticioglu, IB	<i>Helicobacter cappadocius</i> sp. nov., from lizards: The first psychrotrophic <i>Helicobacter</i> species	Systematic and applied microbiology	2024	47	6			10.1016/j.syapm.2024.126557

229)	Karadal, F; Onmaz, NE; Bagci, C; Yildirim, YU; Hizlisoy, H; Gonulalan, Z; Al, S	Investigation of Staphylococcus Spp and Coliform Bacteria Contamination Sources after Cleaning-in-Place in Production Lines of Dairy Factories in Türkiye	Foodborne pathogens and disease	2024						10.1089/fpd.2024.0103
230)	Atay, YE; Yusufbeyoglu, S; Hamurcu, Z; Güler, A; Bayram, LÇ; Ekebas, G; Celik, C; Yilmaz, C; Ocsay, I; Akar, Y	Development of Vincristine-Loaded Nano Graphene Oxides for Dual Therapies Against Canine Anaplastic Carcinoma Cells Obtained From a Dog with Spontaneous Mammary Tumor	Chemistryselect	2024	9	45				10.1002/slct.202404728
231)	Halici, MG; Muhy, HM; Koca, FD	Gigartina skottsbergii Setchell & NLGardner (Rhodophyta) Incorporated Organic@Inorganic Hybrid Cu3(PO4)2 Nanoflowers with an Intrinsic Antioxidant and Catalytic Activities	Journal of inorganic and organometallic polymers and materials	2024						10.1007/s10904-024-03190-5
232)	Sajid, GA; Uddin, MJ; Al-Janabi, SAA; Ibrahim, AN; Cinar, MU	MicroRNA expression profiling of ovine epithelial cells stimulated with the Staphylococcus aureus in vitro	Mammalian genome	2024	35	4	673	682		10.1007/s00335-024-10062-3
233)	Cevahir, F; Düzlül, Ö; Atelge, M; Yildirim, A	Phylogenetic characterization of Cochroaches (Insecta: Blattaria) in Türkiye and determination of their vector potential for medically important parasites	Ankara üniversitesi veteriner fakultesi dergisi	2024	71	4	417	426		10.33988/auvfd.1300194
234)	Kara, K; Pirci, G	Immunity, rumen metagenomics, ruminal variables, and growth performance of calves fed milk with sage (Salvia officinalis) essential oil	Tropical animal health and production	2024	56	1				10.1007/s11250-023-03831-w
235)	Kara, K; Yilmaz, S; Gercekaslan, KE; Özkaya, S	Performance, digestibility and meat quality from lambs fed diets with plantago lanceolata, Italian ryegrass or sainfoin herbage	Journal of animal physiology and animal nutrition	2024	108	5	1286	1311		10.1111/jpn.13968
236)	Ercan, N; Yildirim, A; Duzlu, O	Molecular detection and genotyping of Dientamoeba fragilis and Blastocystis sp. in housefly Musca domestica (Diptera: Muscidae): first report for Dientamoeba fragilis	Parasitology research	2024	123	4				10.1007/s00436-024-08202-4
237)	Bagheri, M; Zandieh, MA; Daryab, M; Samaei, SS; Gholami, S; Rahmadian, P; Dezfoulian, S; Eary, M; Rezaee, A; Rajabi, R; Khorrami, R; Salimimoghdam, S; Hu, P; Rashidi, M; Ardakan, AK; Ertas, YN; Hushmandi, K	Nanostructures for site-specific delivery of oxaliplatin cancer therapy: Versatile nanoplatforms in synergistic cancer therapy	Translational oncology	2024	39					10.1016/j.tranon.2023.101838
238)	Kizilaslan, M; Arzik, Y; Behrem, S; White, SN; Cinar, MU	Comparative genomic characterization of indigenous fat-tailed Akkaraman sheep with local and transboundary sheep breeds	Food and energy security	2024	13	1				10.1002/fes3.508
239)	Ercan, N; Yildirim, A; Duzlu, O; Ercan, F; Yetismis, G; Pekmezci, GZ; Inci, A	Identification and distribution of some medico-veterinary important pathogens in muscid flies in two geographical regions of Türkiye	Medical and veterinary entomology	2024	38	4	440	448		10.1111/mve.12734
240)	Öniz, M; Saritas, N; Sentürk, M	Effects of short-term high-intensity interval training on growth hormone, cortisol, and leptin levels	Journal of mens health	2024	20	2	51	61		10.22514/jomh.2023.124
241)	Kizilaslan, M; Arzik, Y; Behrem, S; Yavuz, E; White, SN; Cinar, MU	Unravelling the Genetic Architecture of Serum Biochemical Indicators in Sheep	Genes	2024	15	8				10.3390/genes15080990
242)	Akyüz, B; Sohel, MMH; Konca, Y; Arslan, K; Gürbulak, K; Abay, M; Kaliber, M; White, SN; Cinar, MU	Effects of Low and High Maternal Protein Intake on Fetal Skeletal Muscle miRNAome in Sheep	Animals	2024	14	11				10.3390/ani14111594
243)	Inal, A; Hallak, M; Baktir, MA; Ekebas, G; Atasever, A	Investigation Of The Effects Of Hyperbaric Oxygen Therapy On Hepatotoxicity Induced By Leflunomide in Rats	Undersea and hyperbaric medicine	2024	51	4				
244)	Sahin, GA; Aykemat, Y; Yildiz, AT; Dishan, A; Inanc, N; Gonulalan, Z	Total aflatoxin and ochratoxin A levels, dietary exposure and cancer risk assessment in dried fruits in Türkiye	Toxicon	2024	237					10.1016/j.toxicon.2023.107540
245)	Gundog, DA; Ozkaya, Y; Gungor, C; Onmaz, NE; Gonulalan, Z	Pathogenic potential of meat-borne coagulase negative staphylococci strains from slaughterhouse to fork	International microbiology	2024	27	6	1781	1793		10.1007/s10123-024-00500-2

246)	Hallak, M; Inal, A; Baktir, MA; Atasever, A	Comparison of disease-modifying anti-rheumatic drugs and hyperbaric oxygen therapy in the experimental model of rheumatoid arthritis in rats	Clinical and experimental pharmacology and physiology	2024	51	8			10.1111/1440-1681.13906
247)	Deniz, Ö; Ekinci, G; Onmaz, AC; Derelli, FM; Fazio, F; Aragona, F; van den Hoven, R	Monitoring of inflammatory blood biomarkers in foals with Rhodococcus Equi pneumonia during antimicrobial treatment	Journal of equine veterinary science	2024	138				10.1016/j.jevs.2024.105103
248)	Üstündag, H; Kara, A; Doganay, S; Kurt, N; Erbas, E; Kalindemirtas, FD; Kariper, IA	Molecular mechanisms of resveratrol and its silver nanoparticle conjugate in addressing sepsis-induced lung injury	Naunyn-schmiedeberg's archives of pharmacology	2024	397	8	6249	6261	10.1007/s00210-024-03058-y
249)	Gezer, A; Üstündag, H; Sari, EK; Bedir, G; Gür, C; Mendil, AS; Duysak, L	β -carotene protects against α -amanitin nephrotoxicity via modulation of oxidative, autophagic, nitric oxide signaling, and polyol pathways in rat kidneys	Food and chemical toxicology	2024	193				10.1016/j.fct.2024.115040
250)	Bor, E; Caliskan, UK; Anlas, C; Durbilmez, GD; Bakirel, T; Ozdemir, N	Synthesis of Persea americana extract based hybrid nanoflowers as a new strategy to enhance hyaluronidase and gelatinase inhibitory activity and the evaluation of their toxicity potential	Inorganic and nano-metal chemistry	2024	54	6	570	582	10.1080/24701556.2022.2072342
251)	Polat, HK; Aytekin, E; Karakuyu, NF; Cayli, YA; Calamak, S; Demirci, N; Ünal, S; Kurt, N; Cirak, R; Erkan, E; Mokhtare, B; Mendil, AS; Pehlivan, SB	Harnessing silk fibroin microparticles for metformin delivery: A novel approach to treating corneal neovascularization	Journal of drug delivery science and technology	2024	96				10.1016/j.jddst.2024.105625
252)	Parlak, M; Joha, Z; Yulak, F; Mendil, AS; Tastemur, Y	Lycopene induces antiproliferative effects through apoptosis, autophagy, and oxidative DNA damage in the HeLa cells	Journal of receptors and signal transduction	2024	44	3	115	121	10.1080/10799893.2024.2426516
253)	Dikmen, F; Dabak, T; Özgisi, BD; Özenirler, C; Kuralay, SC; Çay, SB; Çinar, YU; Obut, O; Balci, MA; Akbaba, P; Aksel, EG; Zararsiz, G; Solares, E; Eldem, V	Transcriptome-wide analysis uncovers regulatory elements of the antennal transcriptome repertoire of bumblebee at different life stages	Insect molecular biology	2024	33	6	571	588	10.1111/imb.12914
254)	Giray, G; Gonca, S; Özdemir, S; Isik, Z; Yilmaz, E; Soylak, M; Dizge, N	Novel extracellular synthesized silver nanoparticles using thermophilic Anoxybacillus flavithermus and Geobacillus stearothermophilus and their evaluation as nanodrugs	Preparative biochemistry & biotechnology	2024	54	3	294	306	10.1080/10826068.2023.2230496
255)	Okkay, IF; Famurewa, A; Bayram, C; Okkay, U; Mendil, AS; Sezen, S; Ayaz, T; Gecili, I; Ozkaraca, M; Senyayla, S; Hacimuftuoglu, A	Arbutin abrogates cisplatin-induced hepatotoxicity via upregulating Nrf2/HO-1 and suppressing genotoxicity, NF- κ B/iNOS/TNF- α and caspase-3/Bax/Bcl2 signaling pathways in rats	Toxicology research	2024	13	3			10.1093/toxres/tfae075
256)	Hacimuftuoglu, E; Yesilyurt, F; Babagil, A; Mendil, AS; Nadaroglu, H	Rapid wound healing with silver nanoparticle-decorated miswak-derived carbon quantum dots	Journal of tissue viability	2024	33	4	968	977	10.1016/j.jtv.2024.10.008
257)	Procházka, P; Emmenegger, T; Bauer, S; Ciloglu, A; Dimitrov, D; Hansson, B; Hasselquist, D; Yohannes, E; Zehindjiev, P; Bensch, S	The association between haemosporidian infection and non-breeding moult location in great reed warblers revisited by combining feather stable isotope profiles and geolocator data	Oecologia	2024	204	1	107	118	10.1007/s00442-023-05491-x
258)	Gezer, A; Ustundag, H; Mendil, AS; Bedir, G; Duysak, L	Hepatoprotective effects of resveratrol on α -amanitin-induced liver toxicity in rats	Toxicon	2024	247				10.1016/j.toxicon.2024.107855
259)	Yeni, Y; Genc, S; Ertugrul, MS; Nadaroglu, H; Gezer, A; Mendil, AS; Hacimuftuoglu, A	Neuroprotective effects of L-Dopa-modified zinc oxide nanoparticles on the rat model of 6-OHDA-induced Parkinson's disease	Scientific reports	2024	14	1			10.1038/s41598-024-69324-4
260)	Balaban, YE; Akbaba, S; Bozkurt, SB; Buyuksungur, A; Akgun, EE; Gonen, ZB; Salkin, H; Tezcaner, A; Hakki, SS	Local application of gingiva-derived mesenchymal stem cells on experimental periodontitis in rats	Journal of periodontology	2024	95	5	456	468	10.1002/JPER.23-0246
261)	Gözcü, S; Polat, HK; Gültekin, Y; Ünal, S; Karakuyu, NF; Safak, EK; Dogan, O; Pezik, E; Haydar, MK; Aytekin, E; Kurt, N; Laçin, BB	Formulation of hesperidin-loaded in situ gel for ocular drug delivery: a comprehensive study	Journal of the science of food and agriculture	2024	104	10	5846	5859	10.1002/jsfa.13407

262)	Karakurt, TCÖ; Emir, I; Bedir, Z; Erdem, KTO; Süleyman, H; Sarigül, C; Mendil, AS	Effects of carvacrol on ketamine-induced cardiac injury in rats: an experimental study	Drug and chemical toxicology	2024	47	2	166	171	10.1080/01480545.2022.2155664
263)	Farzan, M; Abedi, B; Bhia, I; Madanipour, A; Farzan, M; Bhia, M; Aghaei, A; Kheirollahi, I; Motallebi, M; Amini-Khoei, H; Ertas, YN	Pharmacological Activities and Molecular Mechanisms of Sinaptic Acid in Neurological Disorders	Acs chemical neuroscience	2024	15	16	2966	2981	10.1021/acscchemneuro.4c00349
264)	Ozcelik, F; Dundar, MS; Yildirim, AB; Henehan, G; Vicente, O; Sánchez-Alcázar, JA; Gokce, N; Yildirim, DT; Bingol, NN; Karanfilska, DP; Bertelli, M; Pojskic, L; Ercan, M; Kellermayer, M; Sahin, IO; Greiner-Tollersrud, OK; Tan, B; Martin, D; Marks, R; Prakash, S; Yakubi, M; Beccari, T; Lal, R; Temel, SG; Fournier, I; Ergoren, MC; Mechler, A; Salzet, M; Maffia, M; Danalev, D; Sun, Q; Nei, L; Matulis, D; Tapaloaga, D; Janecke, A; Bown, J; Cruz, KS; Radecka, I; Ozturk, C; Nalbantoglu, OU; Sag, SO; Ko, KS; Arngrimsson, R; Belo, I; Akalin, H; Dundar, M	The impact and future of artificial intelligence in medical genetics and molecular medicine: an ongoing revolution	Functional & integrative genomics	2024	24	4			10.1007/s10142-024-01417-9
265)	Yildiz, SN; Entezari, M; Paskeh, MDA; Mirzaei, S; Kalbasi, A; Zabolian, A; Hashemi, F; Hushmandi, K; Hashemi, M; Raei, M; Goharrizi, MASB; Aref, AR; Zarrabi, A; Ren, J; Orive, G; Rabiee, N; Ertas, YN	Nanoliposomes as nonviral vectors in cancer gene therapy	Medcomm	2024	5	7			10.1002/mco2.583
266)	Zhang, XB; Fan, YB; Jing, R; Getu, MA; Chen, WY; Zhang, W; Dong, HX; Dakal, TC; Hayat, A; Cai, HJ; Ashrafizadeh, M; Abd El-Aty, AM; Hacımuftuoğlu, A; Liu, P; Li, TF; Sethi, G; Ahn, KS; Ertas, YN; Chen, MJ; Ji, JS; Ma, L; Gong, P	Gastroenteropancreatic neuroendocrine neoplasms: current development, challenges, and clinical perspectives	Military medical research	2024	11	1			10.1186/s40779-024-00535-6

The Articles of FVM-EU in Local Journals between 2022 and 2024

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1) Çağrı Çağlar SİNMEZ	Dünyada ve Türkiye’de Hayvan Haklarının Mevcut Anayasal Konumu	Harran Üniversitesi Veteriner Fakültesi Dergisi	2022	11	1	51	57	10.31196/huvfd.1059687
2) Ferit KASIMZADE, Ali Sefa MENDİL, Mustafa ÖZKARACA, Fatih ADA	Evaluation of a gold nanocomposite hyaluronic acid-based adhesion barrier with antibacterial properties in an animal model	Cardiovascular surgery and interventions	2022	9	2	104	110	10.5606/e-cvsi.2022.1281
3) Savaş SARIÖZKAN, Veli ÖZBEK, Mehmet KÜÇÜKOFLAZ, Berrin KOCAOĞLU GÜÇLÜ, Kanber KARA	Buzağı Beslemede Probiyotik Kullanımının Büyüme Performansı, Rumen Uçucu Yağ Asitleri, Sağlık Durumu ve Karlılığa Etkisi	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2022	28	3	421	430	10.9775/kvfd.2022.27203
4) İlknur KARACA BEKDİK, Emre TÜFEKÇİ, Öznur ASLAN, Vehbi GÜNEŞ, İhsan KELEŞ, Kemal VAROL, Ömer DENİZ, Ali Cesur ONMAZ, Gencay EKİNCİ, Mehmet ÇİTİL	Neonatal İshalli Buzağılarda Etiyolojik ve Predispoze Faktörler: 270 Olgu Serisinde Klinik Bir Çalışma	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2022	28	3	315	326	10.9775/kvfd.2021.26981
5) Ali Cesur ONMAZ, Abdülkerim DENİZ, Serdar DEMİR, Kemal AKSOY	Farklı Süt Sığırı Irklarında Kan ve Süt Beta-hidroksibütirik Asit Düzeyleri ve Holstein’larda Subklinik	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2022	28	2	235	246	10.9775/kvfd.2021.26804

		Ketozisin Postpartum Hastalıkları, Sürüden Ayırma, Vücut Kondisyon Skoru, Parite ve Süt Verimi ile ilişkisi							
6)	Öznur ASLAN,Süleyman Ercüment ÖNEL,Kanber KARA,Yıldırım SOYLU,Mehmet Akif ÖZTAŞ	Ksilitol İçeren Süt Sığırı Karma Rasyonunun İn vitro Ruminal Total Gaz ve Metan Üretimi, Sindirim Değerleri, Organik Asit ve Amonyak-Azotu Parametreleri ile Total Protozoa Sayısına Etkisi	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2022	28	2	155	160	10.9775/kvfd.2021.26614
7)	Muhammet Yasin TEKELİ,Murat KANBUR	Monensin induces apoptosis in the liver tissue and primary hepatocytes of chicks	Turkish Journal of Veterinary and Animal Sciences	2022	46	3	525	534	10.55730/1300-0128.4201
8)	Gökçen PERK,Gültekin ATALAN,Duygu YAMAN GRAM,Kardelen CEYDELİOĞLU	Comparison of low-level laser and dimethyl sulfoxide applications for the treatment offtendon injury in rabbits	Turkish Journal of Veterinary and Animal Sciences	2022	46	3	403	410	10.55730/1300-0128.4188
9)	Seçil ABAY,Fuat AYDIN,Seda DURHAN,Fatih BÜYÜK,Aliye GÜLMEZ SAĞLAM,Elif ÇELİK,Mustafa Reha COŞKUN,Salih OTLU,Eray BÜYÜK,Mitat ŞAHİN,Özgür ÇELEBİ,Tuba KAYMAN,Emre KARAKAYA,İzzet Burçin SATICIOĞLU,Doğan AKÇA	Molecular characterization of Bacillus anthracis isolates recovered from nomic andnonnomic hosts	Turkish Journal of Veterinary and Animal Sciences	2022	46	1	44	51	10.3906/vet-2106-111
10)	Savaş SARIOZKAN,Mehmet FIDANCI,Kaan İŞÇAN	Technical and economic comparison of Charolais, Limousine and Hereford cattle imported from different countries	Eurasian Journal of Veterinary Sciences	2022	38	2	75	82	10.15312/EurasianJVetSci. 2022.367
11)	Sinem ÇALIMLI,Feride KOÇ	HAYVAN VENOMLARI VE İLAÇ TASARIMINDA KULLANIMLARI	Sağlık Bilimleri Dergisi	2022	31	1	107	112	10.34108/eujhs.825391
12)	Metin ÖĞÜN,İdil ŞERBETÇİ,Mükremin ÖLMEZ,Kanber KARA,Özlem KARADAĞOĞLU,Tarkan ŞAHİN	Chia Tohumu ve Probiyotik/ Enzim İlavesinin Ayrı ve Kombine Olarak Tuj Koyunları Rasyonlarında Kullanımının Performans, Rumen ve Bazı Kan Parametreleri Üzerine Etkisi	Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online)	2022	5	3	1201	1215	10.47495/okufbed.107192 5
13)	Aytaç AKÇAY,Esmâ Gamze AKSEL,Elif ÇELİK,Bilal AKYÜZ	Simental ırkı ineklerde MBL-1 geninde bulunan üç SNP'nin (1252 G>A, 2534 G>A, 2569 T>C) subklinik mastitis üzerine etkisinin araştırılması	Veteriner Hekimler Derneği Dergisi	2022	93	1	18	27	10.33188/vetheder.987047
14)	Buket İŞÇAN,Derya HAROGLU,Ayhan DÜZLER	USE OF THREE DIMENSIONAL (3D) PRINTED MODELS OF SHEEP BRAIN IN ONLINE VETERINARY ANATOMY EDUCATION	International Journal of 3D Printing Technologies and Digital Industry	2022	6	3	370	381	10.46519/ij3dptdi.1113805
15)	Nimet KILIÇ,Bilal Cem LİMAN	Determination of acrylamide using the immuno-enzymatic method in commercial dog and cat foods	Turkish Journal of Veterinary and Animal Sciences	2022	46	5	748	754	10.55730/1300-0128.4249
16)	Aytaç AKÇAY,Elif ÇELİK,Murat ABAY,Güven GÜNGÖR	Metaanalysis of subclinical mastitis prevalence in water buffaloes (Bubalus bubalis)	Turkish Journal of Veterinary and Animal Sciences	2022	46	5	734	747	10.55730/1300-0128.4248
17)	Kanber KARA,Osman Semih ÇAVDAR	Süt Sığırı Çiftliklerinde Rasyon Yağ Asitleri ile Süt Üre Azotu ve Fertilite Sorunları Arasındaki İlişkinin İncelenmesi	Harran Üniversitesi Veteriner Fakültesi Dergisi	2022	11	2	201	208	10.31196/huvfd.1120644
18)	Mehmet ÇİTİL,Ömer DENİZ	Solunum Sistemi Hastalığı Olan Atlarda Serum Kolektin-11, Sulfaktan Protein A ve D ile Akut Faz Protein Düzeyinin Diagnostik ve Prognostik Önemi	Fırat Üniversitesi Sağlık Bilimleri Veteriner Dergisi	2022	36	3	238	244	
19)	Edanur GÜLER,Tarık ŞAFAK,Ali RİŞVANLI,Burak Fatih YÜKSEL,Meltem KIZIL,Kübra GEÇMEZ,Murat ABAY,Öznur YILMAZ,İbrahim ŞEKER,Mehmet Akif KILINÇ	Doğum Şeklinin Bazı Oksidatif Stres ve Biyokimyasal Parametreler Üzerindeki Etkisi	Fırat Üniversitesi Sağlık Bilimleri Veteriner Dergisi	2022	36	3	169	178	
20)	Ali Erdem OZTURK,Aysegül Bulut,ÖZGÜR ÖZDEMİR,Mehmet Burak ATEŞ,Mustafa Numan BUCAK	Doksorubisin uygulanan ratlarda timokinon ve resveratrolün karaciğer üzerine etkilerinin histopatolojik olarak değerlendirilmesi	Eurasian Journal of Veterinary Sciences	2022	38	3	150	158	10.15312/EurasianJVetSci. 2022.377
21)	Aytaç AKÇAY,Elif ÇELİK,Murat ABAY	Türkiye'de Ovsynch Protokolü Uygulanan Sütçü Sığırlarda Konsepsiyon Oranlarının Meta-Analizi	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2022	28	4	481	490	10.9775/kvfd.2022.27628

22)	Adalet DIŞHAN,Dogukan Dokuzcu,Zafer GÖNÜLALAN	Mevcut Postbiyotik Sınıfları ve Sağlık Etkileşimleri	Beslenme ve Diyet Dergisi	2022	50	1	83	91	10.33076/2022.BDD.1505
23)	Savaş SARIOZKAN,Aytaç AKÇAY,Güven GÜNGÖR,Elif ÇELİK	Buzağı Hastalıkları Üzerine Etkili Faktörlerin Sınıflandırılmasında Yapay Sinir Ağları, Rassal Orman Algoritması ve Lojistik Regresyon Analizi Performanslarının Karşılaştırılması	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2022	19	2	94	100	10.32707/ercivet.1142552
24)	Mehmet KÜÇÜKOFLAZ,Güven GÜNGÖR,Savaş SARIOZKAN	Erciyes Üniversitesi Veteriner Fakültesi Dergisi (EÜVFD)'nin Bibliyometrik Analizi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2022	19	2	136	144	10.32707/ercivet.1142616
25)	Feride KOÇ,Esra Nur ÜVENÇ	Sepsis Patogenezi, Tanı ve Tedavisi Sepsiste Oksidatif Stres ve Sepsis İnflamasyon İlişkisi, Sepsiste Deneysel Modeller	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2022	19	2	145	151	10.32707/ercivet.1142245
26)	Muhammed DUMAN,Soner ALTUN,Burak OZDEMİR,İzzet Burçin SATICIOĞLU	Kültürü Yapılan Deniz Balıklarında Karaciğer Yağlanması ve Bakteriyel Koenfeksiyon	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2022	19	1	1	10	10.32707/ercivet.1085205
27)	Yunus Emre ATAY,Emre TÜFEKÇİ,İhsan KELEŞ,Vehbi GÜNEŞ,Gencay EKİNCİ,Yaşar AKAR	Gebe Bir Anadolu Yaban Keçisinde (Capra aegagrus aegagrus) Coenurus cerebralis Olgusu	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2022	19	1	55	59	10.32707/ercivet.1085266
28)	Mehmet KÜÇÜKOFLAZ,Savaş SARIOZKAN	Entansif Süt Sığırcılığında Buzağı Hastalıkları ve Ölümüne Bağlı Ekonomik Kayıpların Belirlenmesi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	2	94	103	10.32707/ercivet.1332151
29)	Muhammet Yasin TEKELİ	Siçanlarda Emamektin Benzoat Kaynaklı Oksidatif Hasara Karşı Diosminin Koruyucu Etkilerinin Araştırılması	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	2	76	85	10.32707/ercivet.1332103
30)	Esmâ Gamze AKSEL,Bilal AKYÜZ	Investigation of three single-nucleotide polymorphisms (1252 G>A, 2534 G>A, and 2569 T>C) of the MBL1 gene in Anatolian Buffaloes	Turkish Journal of Veterinary and Animal Sciences	2023	47	6	529	535	10.55730/1300-0128.4322
31)	Ali İleriş AYKUN,Şule SANAL	Türk Mitolojisindeki Hayvan Figürlerinin Veteriner Hekimlik Tarihi Açısından İncelenmesi	Harran Üniversitesi Veteriner Fakültesi Dergisi	2023	12	2	259	269	10.31196/huvfd.1277644
32)	Savaş SARIOZKAN,Elif ÇELİK GÜRBULAK,Güven GÜNGÖR,Mehmet KÜÇÜKOFLAZ	Siğir Besiciliğinde Performans ve Karkas Değerlerinin Meta Analizi ile İncelenmesi: Türkiye Örneği	Harran Üniversitesi Veteriner Fakültesi Dergisi	2023	12	2	234	244	10.31196/huvfd.1371052
33)	Elif ÇELİK GÜRBULAK,Aytaç AKÇAY,Murat KANBUR,Gencay EKİNCİ,Hazal Aysin YÜCEEL,Güven GÜNGÖR,Kutlay GÜRBULAK	Veteriner Hekimlik Eğitiminde Klinik Beceri Laboratuvarının Mesleki Eğitime Katkısının Araştırılması	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	3	192	197	10.32707/ercivet.1387999
34)	Satı Bilge KAYA,Berrin KOCAOĞLU GÜÇLÜ	Yumurta Tavuğu Karma Yemlerine İlave Edilen Karahindiba Ekstresinin Performans ve Yumurta Kalitesine Etkisi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	3	178	185	10.32707/ercivet.1387982
35)	Osman KIYICI,Berrin KOCAOĞLU GÜÇLÜ,Kanber KARA,Serkan ÖZKAYA,Jale METİN KIYICI	Yüksek Düzeyde Konsantre Yem ve Kuru Kaba Yem İçeren Besi Siğiri Rasyonlarında DL-Malik Asitin Besi Performansı ve Rumen Parametreleri Üzerine Etkinliği	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	3	169	177	10.32707/ercivet.1389149
36)	Berrin ŞENTÜRK,Aytaç AKÇAY,Savaş SARIOZKAN,Mehmet KÜÇÜKOFLAZ	Siğir Tüberkülozu için Genel ve Hastalığa Özgü Risk Değişkenlerinin Analizi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	3	156	161	10.32707/ercivet.1387764
37)	Fadime DALDABAN,Korhan ARSLAN,Bilal AKYÜZ	Holştaynır Rırı Sığırlarda CACNA2D1 Geni ve Subklinik Mastitis Arasındaki İlişki	Van Veterinary Journal	2023	34	2	93	97	10.36483/vanvetj.1242270
38)	Güven GÜNGÖR,Savaş SARIOZKAN,Mehmet KÜÇÜKOFLAZ,Yusuf KONCA,Burak Rahmi YALÇIN	The effects of different choice feeding methods on laying hen performance, egg quality, and profitability	Ankara Üniversitesi Veteriner Fakültesi Dergisi	2023	70	3	309	317	10.33988/auvfd.1048979
39)	Halil DİNÇ,Öznur ASLAN	İshalli köpeklerde Cryptosporidium parvum'un varlığının araştırılması	Journal of advances in vetbio science and techniques	2023	8	1	22	29	10.31797/vetbio.1216294
40)	Murat KANBUR,Yasin KIRTIIL	Nükleer Reseptörler	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	1	64	71	10.32707/ercivet.1258954
41)	Simge ŞAHİN,Erol BAYTOK	Yumurtacı Tavuklarda Çiya Tohumunun Performans ve Yumurta Kalitesine Etkisi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	1	57	63	10.32707/ercivet.1259772

42)	Savaş SARIÖZKAN,Güven GÜNGÖR,Elif ÇELİK,Mehmet KÜÇÜKOFLAZ,Aytaç AKÇAY	Kayseri İli Yumurta Tavukçuluğu İşletmelerinde Verimlilik ve Karlılık Analizleri	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	1	47	56	10.32707/ercivet.1259622
43)	Muhammet Yasin TEKELİ	Sipermetrine Maruz Kalan Sıçanlarda Baikalinin Lipid Peroksidasyon ve Oksidatif Hasar Üzerine Etkileri	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	1	38	46	10.32707/ercivet.1259567
44)	Kürşat KÖŞKEROĞLU,Yasin ÖZKAYA,Elif ÇELİK,Harun HIZLISOY,Mukaddes BAREL	Hayvansal Kökenli Gıdalarda Listeria monocytogenes Prevalansının Meta-Analizi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	1	19	29	10.32707/ercivet.1259181
45)	Mehmet Gökhan HALICI,Almustafa Alfawadi,Fatih Doğan KOCA	Ramalina fraxinea Bazlı Ağ NP'lerin Boyutunun Antimikrobiyal Aktiviteler Üzerindeki Etkisinin Değerlendirilmesi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2023	20	1	1	7	10.32707/ercivet.1258973
46)	Nevzat Emre ASLAN,Hanifi EROL	Evcil Hayvanlarda Keratit ve Güncel Tedavi Yöntemleri	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2024	21	3	202	208	10.32707/ercivet.1587170
47)	Mehmet KÜÇÜKOFLAZ,Merve AYYILDIZ AKIN,Can İsmail ZAMAN,Erol AYDIN,Savaş SARIÖZKAN	Evaluation of the Effect of Exchange Rate and Energy Prices on Livestock Products and Feed Prices in Türkiye with Path Analysis	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2024	30	4	533	539	10.9775/kvfd.2024.31893
48)	Esma Gamze AKSEL,Elif ÇELİK GÜRBULAK,Murat ABAY,Ömer Orkun DEMİRAL	Determination of the Effect of GDF9, BMP15, BMPR1B Gene Polymorphism, and Environmental Factors for Fecundity by Logistic Regression Analysis in Kangal Akkaraman Sheep	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2024	30	4	497	506	10.9775/kvfd.2024.31761
49)	Ali Cesur ONMAZ,Gencay EKİNCİ,Emre TÜFEKÇİ,Alfatih Mohammed Ahmed ABOZALD,Serkan KÖKKAYA,Serkan KÖKKAYA,Emre SAYAR,Mehmet ÇİTİL,Vehbi GÜNEŞ,Ayşe GENÇAY GÖKSU,İhsan KELEŞ	Efficacy of Filgrastim in Canine Parvoviral Enteritis Accompanied by Severe Leukopenia	Kafkas Üniversitesi Veteriner Fakültesi Dergisi	2024	30	4	433	443	10.9775/kvfd.2023.31456
50)	Adem DOĞANER,Filiz ORAK,Kezban Tülay YALÇINKAYA,Fuat AYDIN,Emre KARAKAYA,İnci Başak MÜŞTAK,Murat ARAL,Sevcan İPEK	Determination of Glycopeptide Resistance Genes and Virulence Factors in Vancomycin-Resistant Enterococci Isolates and the Relationship Between Glycopeptide Resistance Genes and Endogenous/Exogenous Flora	Journal of clinical practice and research	2024	46	2	145	153	10.14744/cpr.2024.03419
51)	Merve YÜKSEL,Davut BAYRAM,Korhan ARSLAN,Fadime DALDABAN,Mehmet Ulaş ÇINAR,Bilal AKYÜZ	Akkaraman Kuzularında İnsülin Benzeri Büyüme Faktörü-1 Reseptör (IGF1R) Gen Polimorfizmi ile Canlı Ağırlık Özelliklerinin ve Doğum Tipinin İlişkisi	Fırat Üniversitesi Sağlık Bilimleri Veteriner Dergisi	2024	38	3	246	251	
52)	Mustafa Numan Bucak,Mustafa Kul,Mustafa Bodu,Ali Erdem Öztürk,Zeliha Kılınç,Ömer Hatipoğlu,Mehmet Bozkurt Ataman	The effect of lycopene and ascorbic acid on the post thaw Angora buck semen parameters	Journal of advances in vetbio science and techniques	2024	9	2	133	142	10.31797/vetbio.1489224
53)	Çağrı Çağlar SİNMEZ,Ahmet METİN,Emre TÜFEKÇİ,Ali İltiş AYKUN,Vehbi GÜNEŞ	Predictors on mental health of owning cats and dogs	Turkish Journal of Veterinary and Animal Sciences	2024	48	4	180	189	10.55730/1300-0128.4353
54)	Esma Gamze AKSEL	Koyun Türünde RNA-Dizileme ve Gen İfadesi Üzerine Bibliyometrik Analiz ve Bilimsel Haritalama	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2024	21	2	123	131	10.32707/ercivet.1518359
55)	Ayla AÇIKGÖZ,Gonca KAMACI ÖZOCAK,Buğra GENÇ	Laboratuvar hayvanı yetiştiriciliği dersi alan öğrencilerin klinik beceri kazanımlarına yönelik düşünce ve beklentileri ile uygulama sonunda kazanımları ve kaygı düzeylerinin belirlenmesi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2024	21	2	92	98	10.32707/ercivet.1515254
56)	Meryem AKYÜREK,İmdat ORHAN,Sinem Gül FIDANCI,Ayla AÇIKGÖZ	Köpek Scapula ve Humerus 3D Baskılarının Üretiminin ve Eğitimdeki Etkinliğinin Araştırılması	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2024	21	2	78	85	10.32707/ercivet.1515398
57)	Feyyaz İbrahim GÜNDÜZ,Yeliz YILDIRIM	İstanbul ve Çevresinde Tüketilen Sütlerde Pestisit Kontaminasyonlarının Belirlenmesi	Erciyes Üniversitesi Veteriner Fakültesi Dergisi	2024	21	2	72	77	10.32707/ercivet.1514461
58)	Feride KOÇ,Esra Nur ÜVENÇ	ERKEK RATLARDA FLUMETRİN MARUZİYETİNE KARŞI BAIKALİNİN İYİLEŞTİRİCİ ETKİLERİ	Sağlık Bilimleri Dergisi	2024	33	2	160	167	10.34108/eujhs.1389114
59)	Esma ERER,Gültekin ATALAN	Mouth Cavity Examination and Determination of the Incidence of Dental Problems in Dogs	Fırat Üniversitesi Sağlık Bilimleri Veteriner Dergisi	2024	38	2	147	156	

60)	Savaş SARIÖZKAN,Mehmet KÜÇÜKOFLAZ	Türkiye’de süt sığırcılığında ayak hastalıklarına bağlı toplam finansal ve sakınılıabilir kayıplar	Ankara Üniversitesi Veteriner Fakültesi Dergisi	2024	71	3	329	334	10.33988/auvfd.1214635
61)	Osman Tufan ERTAN,Elif ÇELİK GÜRBULAK,Kaan İŞCAN	Effects of the COVID-19 Pandemic on Red Meat Production in Turkey in 2020	Livestock studies	2024	64	1	1	7	10.46897/livestockstudies.1508487
62)	Esmâ Gamze Aksel	Editöre Mektup: “Üzüm çekirdeği ekstresinin streptozotosin ile indüklenen sıçanlarda β -katenin gen ekspresyonu ve hiperglisemi üzerine etkisi”	Eurasian Journal of Veterinary Sciences	2024	40	2	93	93	10.15312/EurasianJVetSci.2024.431
63)	Yunus Emre Atay,Salih Narlıcay,Mehmet Bozkurt Ataman,Mustafa Numan Bucak,Mustafa Bodu,Ali Erdem Öztürk,Murat Elcin	İn Vitro Embriyo Gelişiminde Ergotiyonin ve Kuersetin İlavsinin Etkisi	Eurasian Journal of Veterinary Sciences	2024	40	2	58	65	10.15312/EurasianJVetSci.2024.426
64)	Mehmet KÜÇÜKOFLAZ,Berrin KOCAOĞLU GÜÇLÜ,Veli ÖZBEK,Savaş SARIÖZKAN	Buzağılarda Probiyotik ve Mannan-Oligosakkarit Kullanımının Performans, Hastalık, Yaşama Oranı ve Karlılık Üzerine Etkisi	Van Veterinary Journal	2024	35	1	77	82	10.36483/vanvetj.1399389
65)	Elif ÇELİK,Aytaç AKÇAY	Meta-analysis and meta-regression of subclinical mastitis prevalences in dairy cattle in Türkiye	Ankara Üniversitesi Veteriner Fakültesi Dergisi	2024	71	2	195	206	10.33988/auvfd.1155601
66)	Erinç GÜMÜŞ,Alev Gürol BAYRAKTAROĞLU,Kanber KARA,Neşe Hayat AKSOY,Yusuf CUFADAR	Influence of the Dietary Supplement of Protected Calcium Butyrate in Growing Japanese Quail Diets on Performance, Carcass Parameters, Blood Serum Biochemical Status, Meat Quality, and Jejenum Histomorphology	Ankara Üniversitesi Veteriner Fakültesi Dergisi	2024	71	2	117	124	10.33988/auvfd.1091450
67)	Çağrı Çağlar SİNMEZ,Batuhan ŞAHİN	Dr. Vasfi Samim (1905-1981): A successful veterinarian, artist and sportsman in Albania	Ankara Üniversitesi Veteriner Fakültesi Dergisi	2024	71	1	1	8	10.33988/auvfd.1085881

Annex 6.1. Stakeholder Lists for Extramurals

Table 6.1. Institutions and organizations with signed Agreement

Institution/Organization	The purpose of the protocol
1) Abalıoglu Lezita Fish Inc.	https://ablfoods.com.tr/abali-fish-2/ Extramural trips enhance students' understanding and proficiency in food safety. About 99.1 km, 1 hour 16 minutes away from FVMEU. We have a training and cooperation protocol with Pınarbaşı Trout Hatchery. Abalıoğlu company is “FDA, BRC, ASC, ASC COC, Global GAP AQ, BCGS, IFS, ()
2) Gendarmerie Horse and Dog Training Center Command (JAKEM)	https://www.jandarma.gov.tr/jakem Students learn about the vaccination, examination, advanced examination, diagnosis, and treatment of horses and dogs brought to our institution or during extramural trips. The distance to the faculty is 83.2 km (1 hour 12 minutes). The protocol regarding vaccination, control, examination, advanced examination, diagnosis and treatment of horses and dogs were signed. Jakem has clinical facilities including; 1. Equine CLINIC X-Ray and Ultrasound Diagnosis Unit, Laboratory, Horse Anesthesia Hall, Horse Operation Hall, Horse Pain Sections, Farrier. 2. Companion CLINIC Pharmacy, Sterilization Unit, X-Ray Unit, Dog Operation Room, Dog Observation Sections.
3) ERUTAM (University Teaching Farm)	ERUTAM is the research and teaching farm used by FVM-EU and Faculty of Agriculture for core practical trainings.
4) Kayseri 12th Air Transportation Main Base Command	VFH ensures the provision of medication and vaccines for the relevant dogs, and students learn about the examination, regular check-ups, diagnosis, and treatment of military guard dogs.
5) Kayseri Governorate Provincial Directorate of Environment and Forestry	https://kayseri.tarimorman.gov.tr/ They can do internships in institutions related to the relevant organization.
6) Kayseri Metropolitan Municipality Environmental Protection and Control Department	https://www.kayseri.bel.tr/veteriner-isleri-sube-mudurlugu . Students understand the examination, diagnosis, and treatment of sick or injured street animals, and they can intern at relevant municipal institutions. With the cooperation protocol signed between Kayseri Metropolitan Municipality and FVM-EU, the parties have reached an agreement on the following;- Organizing seminars, conferences, etc. on topics such as zoonotic diseases, food safety, hygiene and nutrition to inform the public. Ensuring biosecurity of students and veterinarians in joint educational and scientific activities.FVM students being able to practice in institutions affiliated with the municipality (slaughterhouses, shelters, zoos, etc.).
7) Kayseri Provincial Gendarmerie Command	https://kayseri.jandarma.gov.tr/ The Kayseri Provincial Gendarmerie Command brings guard dogs to VFH, and the students learn the vaccination, examination, testing, advanced testing, diagnosis, and treatment processes of the relevant dogs.

8) Kayseri Water and Sewerage Administration General Directorate (KASKİ)	Students who visit the relevant institution learn detailed information about water hygiene practices and the water supplied to the city.
9) Land Forces Command 1st Commando Brigade Command	Students assist with routine health services for military service animals brought to VFH and learn about diagnosis and treatment methods.
10) Kayseri Feed Industry and Trade Inc.	The company has signed on to use undergraduate and intern students' educational activities, as well as their practical training on feed crushing, feed processing machines, and feed preparation control units.
11) Kayseri Governorate Provincial Police Department	The contract encompasses health checks, advanced diagnosis, and treatment for the guard dogs affiliated with the relevant institution.
12) Turkish Republic Air Force Command 2nd Air Supply Maintenance Center Command	The contract includes health checks and advanced diagnosis and treatment for dogs belonging to the relevant institution.
13) Kayseri Chambers of Veterinarians	Veterinary faculty students will have the opportunity to intern at institutions registered with the relevant authority, receive scholarships, and collaborate on educational and research activities.
14) Governorate Provincial Directorate of Agriculture and Forestry	https://kayseri.tarimorman.gov.tr/# The protocol has been established for the purpose of planning training and seminars related to animal health, breeding, nutrition, animal products, farm structures, and research.
15) Turkish Republic Talas District Governorship	http://www.talas.gov.tr/ In this protocol aimed at informing the public, they have reached an agreement on organizing events such as seminars and conferences on topics like zoonotic diseases, food safety, hygiene, and nutrition.
16) Ministry of Agriculture and Forestry	https://www.tarimorman.gov.tr/ Students visit slaughterhouses under the signed protocol, where they learn about postmortem examination and practical meat hygiene courses. 4th-year students visit thirteen slaughterhouses located within the province. Examples of the visited companies include Molu Slaughterhouse and Erkem Meat Slaughterhouse.
17) Turanlar Environmental Technologies	https://turanlarcevre.com/ According to the contract, the relevant company collects the medical waste generated in the main building and VFH of the faculty at regular intervals and disposes of it after the necessary sterilization procedures. The relevant company is accredited by the ministry.
18) Turkey Atomic Energy Authority	https://www.tenmak.gov.tr/en/about-us.html The relevant institution conducts Personal Dose Monitoring Device (Dosimeter) checks every 6 months, and the necessary calibration checks of the X-ray device located in the VFH are carried out.
19) Saray Farm	https://sarayciftligi.com.tr/index.php?route=common/home Teaching the herd management processes involves monitoring the milking of dairy cattle. Students gain practical knowledge about silage production and observe the quality control of roughage-concentrate feed.
20) Plato Farm	Tarihçe Plato Entegre Hayvancılık ve Tarım San. Tic. A.Ş

	Teaching for the herd management processes involves monitoring the milking of dairy cattle. Students gain practical knowledge about silage production and observe the quality control of roughage-concentrate feed.
21) Milk Processing Pilot Unit	https://www.erciyes.edu.tr/tr/detay/universitemizde-ziraat-fakultesi-sut-isleme-tesisi-ve-satis-ofisi-acildi/1cd04f19-6246-ed11-8cd4-0050569e5e21 Our Students attend to the production process of milk and milk products, inspect the process flow, and monitor the hygiene and sanitation applications in this unit in campus.
22) Experimental Research and Application center (DEKAM)	https://dekam.erciyes.edu.tr/ A protocol has been signed to allow Veterinary Faculty students to use the laboratory animals in the Laboratory Animals unit of DEKAM, which is part of the university.
23) ERU Faculty of Pharmacy	Our post graduate and undergraduate students follow the Research studies of the research groups from FVM-EU and Faculty of Pharmacy
24) Erkem Slaughterhouse	Erkem slaughterhouse The distance to the faculty is 12.5 km (19 minutes). Rotation students as well as the 4th year students visit this processing plant for post and antemortem inspection. It is a 20-year-old facility where the slaughtering and processing lines are designed in accordance with international hygiene standards.
25) Molu Slaughterhouse	Molu Slaughterhouse is a facility where students conduct ante-mortem and post-mortem inspections. Its slaughtering lines are designed in compliance with international hygiene standards.
26) Kayseri Probation Directorate	Kayseri Probation Directorate send temporary support staff for FVM-EU.
27) Safiye Çıkrıkçıoğlu Vocational School of Kayseri University	Students visit the milk and milk processing plants of this school to inspect the product, process flow, Establishment and HACCP applications. They directly attend to the production actively
28) Turanlar Environmental Technologies Engineering	Disposal of cadavers, all kinds of biowaste materials and other animal wastes in FVM-EU are carried out by a private company (Turanlar Environmental Technologies Engineering).
29) Municipality of Kayseri	There is close relationship with FVM-EU about education of student and municipality staff, research, consulting of dog and cat shelter, cultural activities
30) Municipality of Melikgazi	There is close relationship with FVM-EU about education of student and municipality staff, research, consulting of cat shelter, cultural activities
31) Municipality of Kocasinan	There is close relationship with FVM-EU about education of student and municipality staff, research, consulting of cat shelter, cultural activities
32) Municipality of Talas	There is close relationship with FVM-EU about education of student and municipality staff, research, consulting of dog and cat shelter, cultural activities
33) Private Horse Farms	We visit these farms for gaining to students about diagnosis and treatment, also husbandry and nutrition of horse.

Annex 6.2. Contracted Facilities for EPT

Contracted Facilities for EPT			
1	Ada Veterinary Clinic	2	Adana Veterinary Control Institute Directorate
3	Adana Directorate of Provincial Agriculture and Forestry	4	Adıyaman Directorate of Provincial Agriculture and Forestry
5	Aksaray Animal Hospital	6	Almarj Veterinary clinic
7	Ankara Directorate of Provincial Agriculture and Forestry	8	Amasya Directorate of Provincial Agriculture and Forestry
9	Alpay Veterinary Clinic	10	Avrupa Animal Hospital
11	Atasancak Acipayam Agricultural Enterprise Industry and Trade Inc.	12	Aydın Directorate of Provincial Agriculture and Forestry
13	Aydoğan Veterinary Clinic Laboratory	14	Baykal Veterinary Clinic
15	Bedel Veterinary Clinic	16	Bilecik Directorate of Provincial Agriculture and Forestry
17	Bilgin Veterinary Clinic	18	Bilim Livestock Agriculture Food Industry
19	Burak Veterinary Clinic	20	Bursa Directorate of Provincial Agriculture and Forestry
21	Candemir Veterinary Clinic	22	Ceran Veterinary Clinic
23	Ceylanpınar Agricultural Enterprise Directorate (TIGEM)	24	Cukurova Regional Animal Hospital / Pegasus Veterinary Medical
25	Çorlu Veterinary Clinic	26	Çorum Municipality Veterinary Affairs Directorate
27	Demirci Municipality Street Animals Treatment and Rehabilitation Center	28	Deva Veterinary Clinic
29	Develi Veterinary Clinic	30	Duru Veterinary Clinic
31	Düzce Directorate of Provincial Agriculture and Forestry	32	Ecological Research Association
33	Edirne Directorate of Provincial Agriculture and Forestry	34	Erciyes University Faculty of Veterinary Animal Hospital
35	Erciyes University Faculty of Veterinary Medicine	36	Erciyes University Faculty of Veterinary Medicine Department of Anatomy
37	Erciyes University Faculty of Veterinary Medicine Department of Artificial Insemination, Reproduction and Andrology	38	Erciyes University Faculty of Veterinary Medicine Department of Virology
39	Erciyes University, Faculty of Veterinary Medicine, Department of Biochemistry	40	Erciyes University, Faculty of Veterinary Medicine, Department of Internal Medicine
41	Erciyes University, Faculty of Veterinary Medicine, Department of Parasitology	42	Eren Veterinary Clinic
43	Erzurum Directorate of Provincial Agriculture and Forestry	44	Feyz Animal Husbandry Food Industry Inc.
45	Fourvet Veterinary Clinic	46	Gaziantep Directorate of Provincial Agriculture and Forestry
47	Giresun Directorate of Provincial Agriculture and Forestry	48	Gonbad pet hospital
49	Güneş Veterinary Clinic	50	Hanzade Livestock Agriculture Food Industry Limited Company
51	Hayat Veterinary Clinic	52	International Animal Hospital
53	Kahramanmaraş Directorate of Provincial Agriculture and Forestry	54	Karakaya Veterinary Clinic
55	Karakoç Veterinary Clinic	56	Kastamonu Belediyesi Hayvan Barınağı
57	Kayseri Directorate of Provincial Agriculture and Forestry	58	Kay-Vet Veterinary Clinic
59	Kırıkkale Directorate of Provincial Agriculture and Forestry	60	Kırşehir Directorate of Provincial Agriculture and Forestry

61	Konsept Veterinary Clinic	62	Konya Food Control Laboratory Directorate
63	Kuzucu Veterinary Clinic	64	Kütahya Directorate of Provincial Agriculture and Forestry
65	Melih Kırkpınar Dairy Products Food Animal Husbandry Co. Ltd.	66	Melikgazi Veterinary Clinic
67	Mersin Directorate of Provincial Agriculture and Forestry	68	Mersin Metropolitan Municipality Agricultural Services Department
69	Merve Veterinary Clinic	70	Nevşehir Directorate of Provincial Agriculture and Forestry
71	Niğde Directorate of Provincial Agriculture and Forestry	72	North Animal Hospital
73	Ondokuz Mayıs University Animal Hospital	74	Ondokuz University Faculty of Veterinary Medicine
75	Ordu Directorate of Provincial Agriculture and Forestry	76	Ortaköy Deva Veterinary Polyclinic
77	Osmancık Veterinary Clinic	78	Osmaniye Directorate of Provincial Agriculture and Forestry
79	Önder Veterinary Clinic	80	Örnek Veterinary Clinic
81	Özer Veterinary Clinic	82	Pegasus Veterinary Clinic
83	Pet 312	84	Pet Palace Veterinary Clinic
85	Petical Animal Hospital	86	Plato Integrated Agriculture and Livestock Inc.
87	Private Alanya Şifa Health Services	88	Referans Animal Hospital
89	Rize Directorate of Provincial Agriculture and Forestry	90	Sakarya Directorate of Provincial Agriculture and Forestry
91	Samsun Directorate of Provincial Agriculture and Forestry	92	Sivas Directorate of Provincial Agriculture and Forestry
93	Simsek Livesock Co. Ltd.	94	Sütaş Aksaray Integrated Facilities
95	Şahin Veterinary Clinic	96	Şanlıurfa Directorate of Provincial Agriculture and Forestry
97	Şen Veterinary Clinic	98	Şifa Veterinary Clinic
99	Talas Veterinary Clinic	100	Tekkeli Veterinary Clinic
101	Terapi Veterinary Clinic	102	Therapy Animal Hospital
103	Tokat Directorate of Provincial Agriculture and Forestry	104	Topkapi Fatih Veterinary Polyclinic
105	Türkiye Jockey Club (TJK) 75th Year Hippodrome Race Horses Hospital	106	Türkiye Jockey Club (TJK) Bursa Horse Hospital
107	Türkiye Jockey Club (TJK) Izmir Hippodrome Directorate	108	Türkiye Jockey Club (TJK) Kartepe Hippodrome Horse Hospital
109	Unipol Veterinary Clinic	110	Universal Avcılar Fatih Animal Hospital
111	Yozgat Directorate of Provincial Agriculture and Forestry	112	University of Life Sciences "King Mihai I" from Timisoara
113	Ünlüsoy Veterinary Clinic	114	Valley Vet Veterinary Clinic
115	VETACADEMİA	116	Vetkent Veterinary Clinic
117	Vetoadom	118	Yalçın Veterinary Clinic
119	Uyan Veterinary Clinic	120	Zonguldak Veterinary Clinic

Annex 6.3. List of Logbooks

İNTÖRN UYGULAMA LİSTESİ- DOĞUM ve JİNEKOLOJİ
INTERN SKILL LIST-OBSTETRICS and GYNECOLOGY

Öğrenci Adı-Soyadı:	Fotoğraf
Numarası:	
İmza:	

	İlk gün becerileri (Day One Competences)	Uygulamanın Gerçekleştirilmesi (Skill Implementation)		Veteriner Hekim (Veterinary)	Öğretim Üyesi (Instructor)	
		✓/-	Tarih Date	Ad- Soyad (Name-Surname)/İmza	Ad- Soyad (Name-Surname)	İmza (Signature)
1.	İletişim, liderlik, yönetim, ekip çalışması, karşılıklı saygı ve diğer sosyal beceriler dahil olmak üzere kişiler arası etkili etkileşim ilkelerini uygular. (Applies principles of effective interpersonal interaction, including communication, leadership, management, teamwork, mutual respect, and other social skills.)					
2.	Doğru klinik ve hasta sahibi kayıtlarını, gerektiğinde vaka raporlarını ilgilileri için tatmin edici bir biçimde hazırlar. (Prepares accurate clinical and patient's owner records and, when necessary, case reports in a manner satisfactory to those concerned.)					
3.	Klinik uygulamalarında biyogüvenlik önlemlerine azamî ölçüde dikkat eder. (Pays utmost attention to biosafety measures in clinical practice.)					
4.	Hasta sahibinden jinekolojik anamnez almayı bilir. (Be able to get gynecologic anamnesia from patient's owner.)					
5.	Anamnez doğrultusunda hangi muayene yöntemlerinin uygulanması gerektiğini bilir. (Knows which examination method should be performed through anamnesia.)					
6.	Hastayı kapsamlı muayene edebilmek adına güvenli bir şekilde ve hastaya saygı göstererek zapturapt altına almayı bilir. (Knows how to restrain the patient for a thorough examination safely and respectfully.)					
7.	Hastanın vital bulgularını (Vücut sıcaklığı, solunum sayısı, kalp atım sayısı, CRT vb.) değerlendirebilir. (Evaluates vital signs like body temp., respiration rate, heart rate, CRT etc.)					
8.	Gelen hastanın ilk muayenesinde genel durumunu inspeksiyon, oskültasyon ve palpasyon yöntemleri ile değerlendirebilir. (Evaluates the general condition of the patient by inspection, auscultation and palpation methods during the first examination.)					
9.	İleri muayene tetkikleri (USG, radyografi, vajinal smear muayenesi vb.) hakkında yetkindir. (Competent in further examination techniques (USG, radiography, vaginal smear examination etc.)					
10.	Gebe hastalara ultrasonografik gebelik muayenesi yapabilir, fetal bulgular hakkında bilgi verebilir ve gebelik yaşı belirleyebilir.					

	(Performs an ultrasound examination on pregnant patients, capable of providing fetal findings and determining gestation age.)					
11.	Küçük hayvanlarda spekulum ile genital kanal muayenesi yapmayı bilir. (Knows how to perform a genital tract examination via speculum in small animals.)					
12.	Vajinal swap örneği almasını, preparat hazırlamasını, boyamasını ve muayenesini bilir, uygular. (Knows taking a vaginal swab sample, prepare a microscope slide, staining and examination.)					
13.	Küçük hayvanlarda kapsamlı meme muayenesi yapmayı bilir. (Knows how to perform a thorough mammary gland examination in large and small animals.)					
14.	Jinekolojik operasyonlar için doğru bölgeyi hazırlar, aseptik prosedürleri uygun bir biçimde yerine getirir (Prepares the right area for gynecologic operations and performs aseptic procedures correctly.)					
15.	Sedasyon, lokal ve genel anesteziyi güvenli bir şekilde uygular. (Applies sedation, local and general anesthesia safely.)					
16.	Jinekolojik operasyonlarda (ovariyohistektomi, pyometra, mastektomi, sezaryen operasyonu vb.) operatörü tekniğine uygun biçimde asiste edebilir. (Assists the operator with right technique during gynecologic operations like ovariohysterectomy, pyometra, mastectomy, cesarean section etc.)					
17.	Jinekolojik operasyon sonrası oluşacak ağrıyı önler, denetler ve yönetir. (Prevents, controls and manages pain postoperatively)					
18.	Postoperatif dönemde uygulanan tedaviyi bilir, uygular. (Knows and applies the postoperative treatment procedure.)					
19.	Kapsamlı muayene neticesinde uygun tedavi protokolleri oluşturur. (Establishes appropriate treatment plans based on the results of a thorough examination.)					
20.	Klinik beceri laboratuvarında bulunan dikiş materyalleri ile pratik yapar. (Practices with suture material in the clinical skill room.)					
21.	Seminer odasında klinik rotasyon sırasında denk gelinmemiş vakaları tartışır. (Discusses the cases not encountered in the clinic during the rotation in the seminar room.)					
22.	Büyük hayvanlarda spekulum ile genital kanal muayenesi yapmayı bilir. (Knows how to perform a genital tract examination via speculum in large animals.)					
23.	Büyük hayvanlarda rektal muayene sırasında genital organları belirleyebilir. (Identifies genital organs in large animals during rectal examination.)					
24.	Büyük hayvanlarda rektal ultrasonografi ile genital organları belirler ve birbirinden ayırt eder. (Detects and differentiates genital organs during rectal ultrasound examination.)					
25.	Büyük hayvanlarda kapsamlı meme muayenesi yapmayı bilir. (Knows how to perform a thorough mammary gland examination in large animals.)					
26.	Jinekolojik operasyonlar için doğru bölgeyi hazırlar, aseptik prosedürleri uygun bir biçimde yerine getirir (Prepares the right area for gynecologic operations and performs aseptic procedures correctly.)					

27.	Epidural ve infiltrasyon anestezi uygulama konusunda yetkindir. (Competent in administering epidural and infiltration anesthesia.)					
28.	Gebe hayvanlara gebelik tespiti koyabilir, gebelik yaşı hakkında bilgi verir. (Detects pregnancy and informs about gestation age.)					
29.	“California Mastitis Test” (CMT) uygular ve yorumlar. (Performs and interprets the “California Mastitis Test” (CMT).)					
30.	“Metricheck” muayenesi yapmayı bilir. (Knows how to do “metricheck” examination method.)					
31.	Senkronizasyon protokollerini ve avantajlarını bilir. (Knows synchronisation protocols and their advantages.)					
32.	İnfertiliteyi bilir, infertilite durumlarında uygulanacak tedavi protokollerini bilir ve uygular. (Knows infertility, treatment protocols and performs them.)					

DÖLERME, SUNİ TOHURLAMA ve ANDROLOJİ

REPRODUCTION, ARTIFICIAL INSEMINATION and ANDROLOGY

İNTÖRN UYGULAMA LİSTESİ

(INTERN SKILL LIST)

Öğrenci Adı-Soyadı:					Fotoğraf	
Numara:						
İmza:						
Rotasyon grubu/tarih:						
	İlk gün becerileri (Day One Competences)	Uygulamanın gerçekleştirilmesi (Skill Implementation)		Veteriner Hekim (Veterinary)	Öğretim üyesi (Instructor)	
		Evet (Yes) (✓)	Hayır (No) (X)	Ad- Soyad (Name Surname)/İmza	Ad-soyad (Name-Surname)	İmza (Signature)
1	Mezbaha materyali genital organlar üzerinde anatomik muayeneler ve suni tohumlama katateri uygulama (Anatomical examination of genital organs using slaughterhouse material and application of AI catheter)					
2	Türlere özgü sperma alma yöntemleri (Species-specific semen collection methods)					
3	Spermatolojik analizler (Spermathological analyses)					
4	Spermanın muayenesinde mikroskobun kullanımı (The use of microscope in semen examination)					
5	Sperma sulandırıcılarını hazırlama (The prepare of semen extender)					

6	Spermanın sulandırılması ve saklanması (The dilution and preservation of semen)					
7	Sıvı azot tankının kullanımı (The use of liquid nitrogen tank)					
8	Türlere göre seksüel siklus- östrus-ovulasyon senkronizasyonu (Specific-specific sexual cycle and synchronization)					
9	Damızlık boğaların seçim testleri (Progeny testing)					
10	Boğa kataloglarının okunması (Reading bull's catalog in AI)					
11	Vaginal smear preparatının incelenmesi ve köpeklerde suni tohumlama (Examination of vaginal smear and AI in dog)					
12	Ödev sunumu (Seminar presentation)					
13	Egzotik Hayvanlarda Üremenin Kontrolü (Control of Reproduction in Exotic Animals)					

İNTÖRN UYGULAMA LİSTESİ- CERRAHİ
(INTERN SKILL LIST-SURGERY)

Öğrenci adı-soyadı:	Fotoğraf
Numarası:	
İmza:	

	İlk gün becerileri (Day One Competences)	Uygulamanın Gerçekleştirilmesi (Skill Implementation)		Veteriner Hekim (Veterinary)	Öğretim Üyesi (Instructor)	
		✓/-	Tarih Date	Ad- Soyad (Name-Surname)/İmza	Ad- Soyad (Name-Surname)	İmza (Signature)
1	Hasta sahiplerinden hastanın anamnezini alır. (Obtains the patient's anamnesis from the patient owners.)					
2	Hayvanların zaptı-rapt altına alınmasını sağlar. (Allows animals to be restrained.)					
3	Hastanın klinik muayenesini yaparak fiziksel parametreleri (vücut ısısı, nabız, solunum sayısı) saptar. (Performs clinical examination of the patient and determines physical parameters (body temperature, pulse, respiratory rate.)					
4	Thoraks oskültasyonu ve kalbin oskültasyonunu yapar. (Performs auscultation of the thorax and auscultation of the heart.)					
5	Subcutan ve intramuscular enjeksiyon yapar. (It makes subcutaneous and intramuscular injections.)					
6	Serum ya da ilaç uygulamaları için intravenöz katater yerleştirerek damar yolunu açar. (Opens the vascular access by placing an intravenous catheter for serum or drug administration.)					
7	Travmalı hastaların acil müdahalesini yapar. (Provides emergency treatment for trauma patients.)					
8	Destekli bandaj uygulaması yapar. (Performs assisted bandage application.)					
9	İstenilen çekim pozisyonlarına göre hastanın röntgenini çeker. (Takes x-rays of the patient according to the desired shooting positions.)					
10	Röntgen görüntülerinin değerlendirmelerine katılır. (Participates in the evaluation of x-ray images.)					
11	Preoperatif hazırlıkları (bölgenin traş edilmesi ve asepsisinin sağlanması) yapar. (Makes preoperative preparations (shaving the area and ensuring asepsis.)					
12	Anestezik ajanları ve dozlarını bilir. Anesteziye alınan hastanın takibini yapar. (Knows anesthetic agents and their doses. Follows up the anesthetized patient.					
13	Anesteziye giren hastanın entübasyonunu yaparak hastayı inhalasyon cihazına bağlar. (Intubates the anesthetized patient and connects the patient to the inhalation device.)					

14	Operasyona asistan olarak katılır. (Participates in the operation as an assistant.)					
15	Dikiş tekniklerini bilir, dikiş uygulaması yapar. (Knows surgical suturing techniques and performs suturing applications.)					
16	Postoperatif bakımı yapar. (Provides postoperative care.)					
17	Sterilizasyon tekniklerini bilir ve cerrahi aletlerin sterilizasyonunu yapar. (Knows sterilization techniques and sterilizes surgical instruments.)					

İNTÖRN UYGULAMA LİSTESİ- YABANI HAYVAN HASTALIKLARI
(INTERN SKILL LIST-WILD ANIMAL DISEASES)

Öğrenci adı-soyadı:	Fotoğraf
Numarası:	
İmza:	

N o	İlk gün becerileri (Day One Competences)	Uygulamanın Gerçekleştirilmesi (Skill Implementation)		Veteriner Hekim (Veterinary)	Öğretim Üyesi (Instructor)	
		✓/-	Tarih Date	Ad- Soyad (Name- Surname)/İm za	Ad- Soyad (Name-Surname)	İmza (Signature)
1.	Veteriner Hekimlik mesleğinin icrasına ilişkin yasal dayanakları bilir.(Demonstrate knowledge of the organisation structure and legal basis of veterinary business)					
2.	Yaban hayvanlarına müdahalede biyogüvenlik unsurlarını bilir. (Comprehensive understanding of the fundamental principles of biosecurity in the context of wild animal intervention).					
3	Yaban hayvanlarında insan-hayvan etkileşimi, zoonotik hastalıklar, aracı vektörler ve antrozooji konularında bilgi sahibidir.(Has knowledge of human-animal interactions, zoonotic diseases, intermediary vectors and anthrozoology in wild animals)					
4	Yaban Hayvanlarında zaptırap uygulamalarını bilir. (Knows the practices of restraint in wild animals)					
5	Yabani hayvanların taşınması, barındırılması, ötenazisi ile ilgili uygulamaları refah konuları da dâhil olmak üzere belirler. (Determines the practices related to the transportation, shelter and euthanasia of wild animals, including welfare issues).					
6	Yabani Hayvanlarda akılcı antibiyotik ilaç kullanımı, sedatif/aneztezik ilaçlar ve antiparazitik ilaç konularında bilgi sahibidir. (Has knowledge about rational use of antibiotic drugs, sedative/anesthetic drugs and antiparasitic drugs in wild animals.)					
7	Yaban Hayvanlarında örnek toplama, seçme ve örneklerin depolanması ve yönetimi konusunda bilgi sahibidir. (Has knowledge about sample collection, selection, storage and management of wild animals.)					

8	Yabani Hayvanların sađlığı, refahı ve halk sađlığını riske atacak major anormaliteleri belirler, ilgili mevzuat ađısından deđerlendirir. (Identification and assessment of major abnormalities affecting animal health, animal welfare and public health from the perspective of relevant legislation)					
9	Yabani hayvanlarda tanı teslerinin genel prensipleri, örnek kalitesi, karakteristik testler konularını bilir ve uygular. (Knows and applies the general principles of diagnostic tests, sample quality, and characteristic tests in wild animals.)					
10	Yabani hayvanların hospitalizasyonu ve rehabilitasyon ilkelerini bilir ve uygular. (Knows and applies the principles of hospitalization and rehabilitation of wild animals.)					
11	Yabani Hayvanlarındaki tüm Veteriner Hekimliđi uygulamalarının Tek Sađlık konsepti kapsamındaki önemi konusunda bilinçlidir. (Knows and aware the importance of all veterinary practices in wildlife within the One Health concept.)					
12	Bitirme ödevi: Uluslararası Zoonotik Hastalıklar ile Mücadele Eylem Planı ve Güçlendirme Çalışmaları hakkında ödev hazırlama (Final Project: Prepare an assignment about the International Zoonotic Disease Combat Action Plan and Strengthening Efforts)					

HAYVANCILIK EKONOMİSİ (LIVESTOCK ECONOMICS)
İNTÖRN UYGULAMA LİSTESİ (INTERN SKILL LIST)

Name- Surname:	Photograph
Student number:	
Signature:	
Note:	

		Uygulamanın Gerçekleştirilmesi (Skill Implementation)		Öğretim Üyesi (Lecturer)	
	SKILLS	Evet (Yes) (✓)	Hayır (No) (X)	Ad-Soyad (Name-Surname)	İmza (Signature)
1	Hayvansal üretim yapısının özellikleri (Characteristics of livestock production)			Prof. Dr. Savaş SARIOZKAN	
2	Hayvansal üretime ekonomik bakış açısı (Economic perspective on livestock production)			Prof. Dr. Savaş SARIOZKAN	
3	Süt sığırcılığınfa maliyet unsurları (Cost components in dairy production)			Prof. Dr. Savaş SARIOZKAN	
4	Süt sığırcılığında üretim maliyetlerinin hesabı (Calculation of production costs in dairy cattle)			Prof. Dr. Savaş SARIOZKAN	
5	Besicilikte maliyet unsurları (Cost components in cattle fattening)			Prof. Dr. Savaş SARIOZKAN	
6	Besicilikte üretim maliyetlerinin hesabı (Calculation of production costs in cattle fattening)			Prof. Dr. Savaş SARIOZKAN	
7	Et tavukçuluğunda maliyet unsurları (Cost components in broiler production)			Prof. Dr. Savaş SARIOZKAN	
8	Et tavukçuluğunda üretim maliyetlerinin hesabı (Calculation of production costs in broiler industry)			Prof. Dr. Savaş SARIOZKAN	
9	Yumurta tavukçuluğunda maliyet unsurları (Cost components in layer hen production)			Prof. Dr. Savaş SARIOZKAN	
10	Yumurta tavukçuluğunda üretim maliyetlerinin hesabı (Calculation of production costs in layer industry)			Prof. Dr. Savaş SARIOZKAN	
11	Küçükbaşta maliyet unsurları (Cost components in small ruminant production)			Prof. Dr. Savaş SARIOZKAN	
12	Küçükbaşta üretim maliyetlerinin hesabı (Calculation of production costs in small ruminant)			Prof. Dr. Savaş SARIOZKAN	

Draft Version of Clinical Rotation Logbook

First and last name of student	Student number
Department	

* In each practice listed below, students are monitored by supervised academic staff and approved.

	Small Animal Clinic Have observed it	Small Animal Clinic Perform ed under supervisi on*	Equine Clinic Have observed it	Equine Clinic Perform ed under supervisi on*	Ruminant and Swine Clinic Have observed it	Ruminant and Swine Clinic Performed under supervision *
Obtain a full and accurate case history						
Communication with clients						
Handling and restraint of animals						
Examination of conjunctiva, mucosa and lymph nodes						
Chest auscultation and percussion						
Assessment of dehydration status						
Obtain and evaluate vital measurements (TPR) (Temperature, Pulse, Respiration)						
Collecting sample (blood, urine, etc...) and IV catheter insertion						
Fecal examinations						
Drug and fluid administration P.O, S.C., I.M., I.V.						
Acquiring the skill of using ultrasound						
Preparation the animal for echocardiography and ECG reading and interpretation						
Examination of the skin (inspection, skin scraping, biopsy)						
Using lab equipment and tests (rapid test kits, derma kit, microhematocrit, etc...)						
Laboratory diagnostics: Storage and transfer of samples						
Laboratory diagnostics: Performing urine analysis (dip-stick, sedimentation)						
Biosafety Practices (Using gowns/aprons, latex gloves and classification of used needles, syringes and medical materials and wastes)						
Assess depth of anaesthesia						
Place a nasogastric feeding tube in dogs and cats						
Perform a complete clinical examination						
Emergency care and treatment						

Diagnostic imaging (X-Ray, MRI, CT) and evaluating findings						
Perform entubation						
Wound intervention including bandages						
Tooth restorations						
Abdominal surgery						
Orthopedia practices						
Soft tissue surgery						
Ophthalmology						
Perform Euthanasia (in line with animal welfare) when necessary						
Newborn care						
Perform a complete clinical examination of female genital organs						
Perform a complete clinical examination of mammary gland						
Cytological examination						
Pregnancy diagnosis (USG/Rectal/Laboratory)						
Control of cyclical reproductive activity						
Assistance for parturition/dystocia						
Assistance for reproductive/obstetric/gynecologic surgery						
Assistance for mammary surgery						
Medical treatment of diseases of genital organs						
Treatment of mammary diseases						
Treatment of metabolic diseases						
Treatment of infertility						
Clinical skill room practices						
Case Reports /Case Discussion						

(INTERN SKILL LIST-FOOD HYGIENE AND TECHNOLOGY)

Name of Student:	Fotoğraf
Number of Studentı:	
Signature:	

	İlk gün becerileri (Day One Competences)	Uygulamanın Gerçekleştirilmesi (Skill Implementation)		Saha Sorumlusu (Vet. Hekim)	Öğretim Üyesi (Instructor)	
		✓ / -	Tarih Date	Ad- Soyad (Name-Surname)/İmza	Ad- Soyad (Name-Surname)	İmza (Signature)
1	Çiğ sütün kalitesini değerlendirebilir, hangi teknolojiye uygun olduğuna karar verebilir.(Perform raw milk inspection and drive it to the appropriate technology)				Prof. Dr. Yeliz Yıldırım	
2	Süt işletmesinde proses akışını detaylı inceler, kritik kontrol noktalarını belirler. (Perform inspection on the process flow and determine the critical control points in the milk processing plant (MPP)				Prof. Dr. Yeliz Yıldırım	
3	Hayvanların taşınması, barındırılması, zaptraptı ve öldürülmesi ile ilgili uygulamaları refah konuları da dahil olmak üzere belirler. (Identify the practices during transport, husbandry, restraining and slaughtering of animals including welfare aspects).				Doç. Dr. Nurhan ERTAŞ ONMAZ	
4	Sistematik et muayenesi (ante mortem-post mortem) yapar, et kalitesini ve güvenliğini etkileyecek durumları belirler. Gözlemlerini kayıt altına alır. (Perform systematic meat inspection (ante mortem-post mortem) and identfy the conditions affecting the quality and safety of meat. Record the observations)				Doç. Dr. Nurhan ERTAŞ ONMAZ	
5	Et ürünleri işletmesinde proses akışını denetler (Perform inspection in the field of meaat technology)				Doç. Dr. Nurhan ERTAŞ ONMAZ	
6	İçme Suyu kalite niteliklerini, analiz yöntemlerini bilir. Analiz sonuçlarını yorumlar				Yrd. Doç. Dr. Harun HZILISOY	
7	Örnek alır, muhafaza etmeyi ve göndermeyi bilir. Hayvan sağlığı, hayvan refahı ve halk sağlığını riske atacak ve gıda kalitesini etkileyecek major anormaliteleri belirler, ilgili mevzuat açısından değerlendirir. (Collect, preserve and transport samples. Determine the major anomalies affecting animal health, animal welfare, public health and food quality)				Yrd. Doç. Dr. Harun HZILISOY	
8	Parazitik zoonozlar da dahil olmak üzere, zoonotik, gıda kaynaklı, yeniden ortaya çıkan ve sınırı aşan hastalıklara karşı önleyici tedbirleri, mücadele programlarını tavsiye eder, uygular (Advise and implement preventative programmes to combat against zoonotic, food-borne, emerging, reemerging and transbounding diseases including parazitic zoonoses.)				Yrd. Doç. Dr. Harun HZILISOY	

9	Sanitasyonda kullanılan kimyasal ajanlara ve kullanım prensiplerine hakim olur ve uygun depolama koşullarını dizayn eder. (Be able to know chemical agents used in sanitation process and principles of use. Design appropriate storage conditions)				Yrd. Doç. Dr. Serhat AL	
10	Sanitasyon prosesini uygulayabilir ve gıda sanayisinde kullanılan yüzeyler ve biofilm hakkında uygulamalı bilgi sahibi olur. (Apply sanitation process and gain practical knowledge about biofilm and surfaces in food industry.)				Yrd. Doç. Dr. Serhat AL	
11	Bitirme ödevi: Ders sonunda bir hayvansal gıda işletmesi için HACCP planı oluşturur (Final Project: Develop a HACCP plan for an animal food processing plant)				Prof. Dr. Yeliz Yıldırım	