

**ISTANBUL UNIVERSITY, FACULTY OF VETERINARY MEDICINE
COURSE LISTINGS**

1st Semester

COURSES	T	P	Total	ECTS
<i>Anatomy I</i>	4	4	8	7
<i>Medical Physics</i>	2	0	2	3
<i>Chemistry</i>	2	1	3	3
<i>Medical Biology</i>	3	2	5	4
<i>Biometrics</i>	2	0	2	3
<i>History of Veterinary Medicine</i>	2	0	2	3
<i>History of Atatürk's Principles & Revolutions I</i>	2	0	2	2
<i>Turkish Language I</i>	2	0	2	2
<i>Foreign Language I</i>	2	0	2	2
<i>Elective Course(Group I)</i>	1	0	1	1
ELECTIVE COURSES (I GRUP / GROUP I)				
<i>Fine Arts I</i>	1	0	1	1
<i>Physical Training I</i>	1	0	1	1
<i>History of Civilization</i>	1	0	1	1
<i>Veterinary Anatomy Terminology</i>	1	0	1	1
COMPULSORY COURSES				
				29
ELECTIVE COURSES				
				1
1. TOTAL ECTS OF 1st SEMESTER				
				30

2ndSemester

COURSES	T	P	Total	ECTS
<i>Anatomy II</i>	4	6	10	7
<i>Genetics</i>	2	0	2	2
<i>Histology I</i>	2	1	3	3
<i>Physiology I</i>	4	2	6	5
<i>Biochemistry I</i>	3	2	5	4
<i>History of Atatürk's Principles & Revolutions II</i>	2	0	2	2
<i>Turkish Language II</i>	2	0	2	2
<i>Foreign Language II</i>	2	0	2	2
<i>Elective Course(Group II)</i>	1	0	1	1
<i>Elective Course(Group III)</i>	2	0	2	2
ELECTIVE COURSES (GROUP II)				
<i>Fine Arts II</i>	1	0	1	1
<i>Physical Training II</i>	1	0	1	1
<i>Communication Techniques</i>	1	0	1	1
<i>Animal Rights</i>	1	0	1	1
ELECTIVE COURSES (GROUP III)				
<i>Disasters Culture</i>	2	0	2	2
<i>Scientific Research Techniques</i>	2	0	2	2
COMPULSORY COURSES				
COMPULSORY COURSES				27
ELECTIVE COURSES				
ELECTIVE COURSES				3
TOTAL ECTS OF 2nd SEMESTER				
TOTAL ECTS OF 2nd SEMESTER				30

3rdSemester

COURSES	T	P	Total	ECTS
<i>Embryology</i>	2	0	2	2
<i>Animal Breeding & Husbandry I</i>	3	1	4	4
<i>Histology II</i>	3	2	5	4
<i>Physiology II</i>	3	2	5	4
<i>Biochemistry II</i>	3	2	5	4
<i>General Microbiology</i>	2	2	4	4
<i>FeedStuffs & Feed Technology</i>	2	2	4	4
<i>Elective Course (Group IV)</i>	2	0	2	2
<i>Elective Course (Group V)</i>	1	0	1	2
ELECTIVE COURSES (GROUP IV)				
<i>City Culture & Istanbul</i>	2	0	2	2
<i>Biotechnology</i>	2	0	2	2
<i>Sign Language</i>	2	0	2	2
ELECTIVE COURSES (GROUP V)				
AREA ELECTIVE COURSES				
<i>Anatomy of Egzotic Animal</i>	1	0	1	2
<i>Feed Legislation and Quality Control</i>	1	0	1	2
<i>Food & Nutrition Culture</i>	1	0	1	2
COMMON ELECTIVE COURSES				
<i>Exercise Physiology</i>	1	0	1	2
<i>The Use of Instruments in Biochemistry Laboratory</i>	1	0	1	2
<i>Anatomy of the Laboratory Animal</i>	1	0	1	2
COMPULSORY COURSES				
COMPULSORY COURSES				26
ELECTIVE COURSES				4
TOTAL ECTS OF 3rd SEMESTER				30

4rdSemester

COURSES	<i>T</i>	<i>P</i>	<i>Total</i>	<i>AKTS</i>
<i>Animal Welfare</i>	2	0	2	2
<i>Immunology & Serology</i>	2	2	4	4
<i>Animal Breeding & Husbandry II</i>	3	2	5	5
<i>Animal Nutrition & Nutritional Diseases</i>	3	1	4	5
<i>Laboratory Animals</i>	2	1	3	3
<i>General Parasitology</i>	1	1	2	2
<i>Ethology</i>	2	0	2	2
<i>Radiology</i>	1	0	1	1
<i>Epizootiology</i>	2	0	2	2
<i>Topographic Anatomy</i>	1	1	2	2
<i>Elective Course (Group VI)</i>	1	0	1	2
ELECTIVE COURSES (GROUP VI)				
AREA ELECTIVE COURSES				
<i>Physiology of Exotic Animals</i>	1	0	1	2
<i>Organic Animal Nutrition</i>	1	0	1	2
<i>Food Chemistry</i>	1	0	1	2
COMMON ELECTIVE COURSES				
<i>Nutrition of Laboratory Animals</i>	1	0	1	2
<i>Biochemical Differences of Animals</i>	1	0	1	2
<i>Animal Blood Bank</i>	1	0	1	2
COMPULSORY COURSES				28
ELECTIVE COURSES				2
TOTAL ECTS OF 4th SEMESTER				30

5rdSemester

COURSES	<i>T</i>	<i>P</i>	<i>Total</i>	<i>ECTS</i>
<i>Bacteriology & Mycology</i>	4	2	6	6
<i>Virology</i>	3	2	5	5
<i>Entomology</i>	1	1	2	2
<i>Helminthology</i>	2	2	4	3
<i>Food Hygiene</i>	2	0	2	2
<i>Food Safety</i>	2	0	2	2
<i>Internal Clinical Examination Methods</i>	2	0	2	2
<i>Surgery Clinic Examination Techniques</i>	2	0	2	2
<i>Clinical Examinations</i>	0	4	4	2
<i>Elective Course(Group VII)</i>	1	0	1	2
<i>Elective Course(Group VIII)</i>	1	0	1	2
ELECTIVE COURSES (GROUP VII)				
AREA ELECTIVE COURSES				
<i>Biochemistry of Exotic Animals</i>	1	0	1	2
<i>Shelter Feasibility & Hygiene</i>	1	0	1	2
<i>Food Processing & Preservation Techniques</i>	1	0	1	2
<i>Vector Control</i>	1	0	1	2
<i>Avian Anatomy</i>	1	0	1	2
ELECTIVE COURSES (GROUP VIII)				
COMMON ELECTIVE COURSES				
<i>Biochemistry Of Metabolic & Hereditary Diseases</i>	1	0	1	2
<i>Viral Vaccine Preparation Techniques</i>	1	0	1	2
<i>Bee Diseases</i>	1	0	1	2
<i>Laboratory Animal Parasites</i>	1	0	1	2
<i>Clinical Biochemistry</i>	1	0	1	2
COMPULSORY COURSES				
				26
ELECTIVE COURSES				
				4
TOTAL ECTS OF 5th SEMESTER				
				30

6rdSemester

COURSES	T	P	Total	ECTS
<i>Meat Inspection</i>	2	0	2	2
<i>Meat Hygiene & Technology</i>	2	0	2	2
<i>Milk Hygiene & Technology</i>	2	0	2	2
<i>Pharmacology I</i>	3	2	5	4
<i>Anesthesia & Reanimation</i>	2	0	2	2
<i>Protozoology</i>	2	2	4	3
<i>General Pathology</i>	2	1	3	3
<i>Clinical Examinations</i>	0	4	4	2
<i>Fish Diseases</i>	1	0	1	1
<i>Population Genetics</i>	2	0	2	2
<i>Food Applications</i>	0	3	3	1
Elective Course (Group IX)	1	0	1	2
Elective Course(Group X)	1	0	1	2
Elective Course(Group XI)	1	0	1	2
ELECTIVE COURSES (GROUP IX)				
AREA ELECTIVE COURSES				
<i>Nutrition of Exotic Animals</i>	1	0	1	2
<i>Organic Animal Breeding</i>	1	0	1	2
<i>Hygienic Controls in Food Production Facilities</i>	1	0	1	2
<i>Biochemistry of Immunology & Tumours</i>	1	0	1	2
<i>Avian Physiology</i>	1	0	1	2
ELECTIVE COURSES (GROUP X)				
AREA ELECTIVE COURSES				
<i>Exotic Animal Parasites</i>	1	0	1	2
<i>Nutrition in Culture-Based Fisheries</i>	1	0	1	2
<i>Food Legislation</i>	1	0	1	2
<i>Fluid Electrolyte Therapy</i>	1	0	1	2
<i>Avian Biochemistry</i>	1	0	1	2
ELECTIVE COURSES (GROUP XI)				
COMMON ELECTIVE COURSES				
<i>Fish Pathology</i>	1	0	1	2
<i>Food Environment & Public Health</i>	1	0	1	2
<i>Viral Zoonoses</i>	1	0	1	2
<i>Animal Genomes</i>	1	0	1	2
<i>Clinical Bacteriology</i>	1	0	1	2
<i>Pathology of Laboratory Animals</i>	1	0	1	2
COMPULSORY COURSES				24
ELECTIVE COURSES				6
TOTAL ECTS OF 6th SEMESTER				30

7rdSemester

COURSES	T	P	Total	AKTS
Special Pathology (A)	4	2	6	5
General Surgery & Operation Techniques	2	0	2	3
Obstetrics & Gynecology I	4	0	4	4
Internal Medicine I	3	0	3	3
Pharmacology II	3	0	3	3
Clinical Pathology Practical (A)	0	5	5	3
Food Application	0	2	2	1
Elective Course(Group XII)	1	0	1	2
Elective Course(Group XIII)	1	0	1	2
Elective Course(Group XIV)	2	0	2	4
ELECTIVE COURSES (GROUP XII)				
AREA ELECTIVE COURSES				
Pathology of Exotic Animals	1	0	1	2
Water Buffalo Nutrition	1	0	1	2
Special Histological Examination Methods	1	0	1	2
Diagnostic Imaging Methods in Internal Medicine	1	0	1	2
Poultry Parasites	1	0	1	2
ELECTIVE COURSES (GROUP XIII)				
AREA ELECTIVE COURSES				
Internal Diseases of Exotic Animals	1	0	1	2
Nutrition of Pets	1	0	1	2
Management of Food Establishment	1	0	1	2
Antineoplastic Drugs	1	0	1	2
Poultry Nutrition	1	0	1	2
ELECTIVE COURSES (GROUP XIV)				
COMMON ELECTIVE COURSES				
Material Submission & Reporting	1	0	1	2
Emergency Surgical Applications	1	0	1	2
Zoonotic Parasites	1	0	1	2
Doping	1	0	1	2
Clinical Pharmacokinetic	1	0	1	2
Veterinarian Services in Municipalities	1	0	1	2
Reproductive Ultrasonography	1	0	1	2
COMPULSORY COURSES				22
ELECTIVE COURSES				8
TOTAL ECTS OF 7th SEMESTER				30

8rdSemester

COURSES	T	P	Total	ECTS
Special Pathology (B)	4	2	6	5
Foot Diseases & Orthopedics (A)	3	0	3	3
Obstetrics & Gynecology II	4	0	4	4
Internal Medicine II	3	0	3	3
Reproduction & Artificial Insemination I	2	0	2	2
Surgery	3	0	3	3
Veterinary Forensic Medicine	1	0	1	1
Clinical Pathology Practical (B)	0	5	5	3
Elective Course(Group V)	1	0	1	2
Elective Course(Group XVI)	1	0	1	2
Elective Course(Group XVII)	1	0	1	2
ELECTIVE COURSES (GROUP XV)				
AREA ELECTIVE COURSES				
Bacterial & Fungal Diseases of Exotic Animals	1	0	1	2
Herd Health & Management	1	0	1	2
Poultry Meat Hygiene & Technology	1	0	1	2
Drug Usage in Bee, Fish & Exotic Animals	1	0	1	2
Avian Medicine	1	0	1	2
ELECTIVE COURSES (GROUP XVI)				
AREA ELECTIVE COURSES				
Viral Diseases of Exotic Animals	1	0	1	2
Assisted Reproductive Technologies in Farm Animals	1	0	1	2
Aquatic Food Products Hygiene & Technology	1	0	1	2
Gynecologic Emergency Interfere	1	0	1	2
Pathology of Poultry	1	0	1	2
ELECTIVE COURSES (GROUP XVII)				
COMMON ELECTIVE COURSES				
Behavioural Disorders in Animals	1	0	1	2
Clinical Parasitology	1	0	1	2
Reanimation in Newborns & Neonatology	1	0	1	2
Molecular Diagnosis of Diseases	1	0	1	2
Eye Diseases	1	0	1	2
Hematopathology	1	0	1	2
Pathology of Tumors	1	0	1	2
COMPULSORY COURSES				24
ELECTIVE COURSES				6
TOTAL ECTS OF 8th SEMESTER				30

9rdSemester

COURSES	T	P	Total	AKTS
<i>Internal Medicine III</i>	4	0	4	4
<i>Managerial Economics of Animal Breeding</i>	2	0	2	2
<i>Toxicology</i>	2	2	4	3
<i>Foot Diseases & Orthopedics (B)</i>	3	0	3	3
<i>Reproduction & Artificial Insemination II</i>	2	0	2	2
<i>Poultry Diseases</i>	2	1	3	3
<i>Clinical Examinations</i>	0	5	5	2
<i>Professional Ethics & Veterinary Legislation</i>	1	0	1	1
<i>Elective Course(Group XVIII)</i>	5	0	5	10
ELECTIVE COURSES (GROUP XVIII)				
AREA ELECTIVE COURSES				
<i>Exotic Animal Surgery</i>	1	0	1	2
<i>Slaughterhouse & Veterinary Medicine</i>	1	0	1	2
<i>Clinical Oncology & Chemotherapy</i>	1	0	1	2
AREA ELECTIVE COURSES				
<i>Reproductive Disorders in Exotic Animals</i>	1	0	1	2
<i>Food Quality Management Systems</i>	1	0	1	2
<i>Gynecologic Oncology</i>	1	0	1	2
AREA ELECTIVE COURSES				
<i>Drug Residues & Public Health</i>	1	0	1	2
<i>Oncologic Surgical Procedures</i>	1	0	1	2
<i>Assisted Reproductive Techniques in Fowl</i>	1	0	1	2
COMMON ELECTIVE COURSES				
<i>Assisted Reproductive Techniques in Cats & Dogs</i>	1	0	1	2
<i>Emergency in Internal Medicine</i>	1	0	1	2
<i>Physiotherapy Methods</i>	1	0	1	2
<i>Neurosurgery</i>	1	0	1	2
<i>Geriatric Diseases in Cats & Dogs</i>	1	0	1	2
<i>Udder Health & Control Program</i>	1	0	1	2
<i>Advanced Imaging Techniques</i>	1	0	1	2
<i>Clinical Endocrinology</i>	1	0	1	2
<i>Special Food Products Hygiene & Technology</i>	1	0	1	2
<i>Molecular Techniques Used in The Diagnosis of Parasitic Diseases</i>	1	0	1	2
<i>Small Animal Dentistry</i>	1	0	1	2
COMPULSORY COURSES				20
ELECTIVE COURSES				10
TOTAL ECTS OF 9th SEMESTER				30

10rdSemester

COURSES	T	P	Total	AKTS
<i>Elective Course(Group XIX)</i>	0	40	40	30
ELECTIVE COURSES (GROUP XIX)				
<i>Tracking Programme of Poultry Breeding & Diseases</i>	0	40	40	30
<i>Tracking Programme of Food Hygiene & Technology</i>	0	40	40	30
<i>Tracking Programme of Animal Breeding & Husbandary</i>	0	40	40	30
<i>Tracking Programme of Clinical Laboratory Diagnostic</i>	0	40	40	30
ELECTIVE COURSES				30
TOTAL ECTS OF 10th SEMESTER				30

CREDITS OF COMPULSORY COURSES	209,00
CREDITS OF ELECTIVE COURSES	45,00
TOTAL CREDITS OF COMPULSORY AND ELECTIVE COURSES	254,00
TOTAL HOURS OF COURSES	4074
ELECTIVE COURSES %	18 %
ECTS CREDITS FOR GRADUATION	300,00
ECTS CREDITS OF ELECTIVE COURSES	74,00
ECTS % OF ELECTIVE COURSES	25,00 %

AREA ELECTIVE COURSES

AREA OF EXOTIC ANIMALS
<i>Anatomy of Exotic Animal</i>
<i>Physiology of Exotic Animals</i>
<i>Biochemistry of Exotic Animals</i>
<i>Nutrition of Exotic Animals</i>
<i>Exotic Animals Parasites</i>
<i>Pathology of Exotic Animals</i>
<i>Internal Diseases of Exotic Animals</i>
<i>Bacterial & Fungal Diseases of Exotic Animals</i>
<i>Viral Diseases of Exotic Animals</i>
<i>Exotic Animal Surgery</i>
<i>Reproductive Disorders in Exotic Animals</i>

AREA OF FOOD
<i>Food & Nutrition Culture</i>
<i>Food Chemistry</i>
<i>Food Processing & Preservation Techniques</i>
<i>Hygienic Controls in Food Production Facilities</i>
<i>Food Legislation</i>
<i>Special Histological Examination Methods</i>
<i>Management of Food Establishment</i>
<i>Poultry Meat Hygiene & Technology</i>
<i>Aquatic Food Products Hygiene & Technology</i>
<i>Slaughterhouse & Veterinary Medicine</i>
<i>Food Quality Management Systems</i>
<i>Drug Residues & Public Health</i>

AREA OF CLINICAL SCIENCES*Vector Control**Biochemistry of Immunology & Tumours**Fluid Electrolyte Therapy**Diagnostic Imaging Methods in Internal Medicine**Antineoplastic Drugs**Drug Usage in Bee, Fish & Exotic Animals**Gynecologic Emergency Interfere**Clinical Oncology & Chemotherapy**Gynecologic Oncology**Oncologic Surgical Procedures***AREA OF POULTRY***Avian Anatomy**Avian Physiology**Avian Biochemistry**Poultry Parasites**Poultry Nutrition**Avian Medicine**Pathology of Poultry**Assisted of Reproductive Techniques in Fowl***AREA OF ANIMAL HUSBANDRY***Feed Legislation and Quality Control**Organic Animal Nutrition**Shelter Feasibility & Hygiene**Organic Animal Breeding**Nutrition in Culture-Based Fisheries**Water Buffalo Nutrition**Nutrition of Pets**Herd Health & Managment**Assisted Reproductive Technologies in Farm Animals*

COMMON ELECTIVE COURSES

<i>Exercise Physiology</i>
<i>The Use of Instruments in Biochemistry Laboratory</i>
<i>Anatomy of the Laboratory Animal</i>
<i>Nutrition of Laboratory Animals</i>
<i>Biochemical Differences of Animals</i>
<i>Animal Blood Bank</i>
<i>Biochemistry Of Metabolic & Hereditary Diseases</i>
<i>Viral Vaccine Preparation Techniques</i>
<i>Bee Diseases</i>
<i>Laboratory Animal Parasites</i>
<i>Clinical Biochemistry</i>
<i>Fish Pathology</i>
<i>Food Environment & Public Health</i>
<i>Viral Zoonoses</i>
<i>Animal Genomes</i>
<i>Clinical Bacteriology</i>
<i>Pathology of Laboratory Animals</i>
<i>Material Submission & Reporting</i>
<i>Emergency Surgical Applications</i>
<i>Zoonotic Parasites</i>
<i>Doping</i>
<i>Clinical Pharmacokinetic</i>
<i>Veterinarian Services in Municipalities</i>
<i>Reproductive Ultrasonography</i>
<i>Behavioural Disorders in Animals</i>
<i>Clinical Parasitology</i>
<i>Reanimation in Newborns & Neonatology</i>
<i>Molecular Diagnosis of Diseases</i>
<i>Eye Diseases</i>
<i>Hematopathology</i>
<i>Pathology of Tumors</i>
<i>Assisted Reproductive Techniques in Cats & Dogs</i>
<i>Emergency in Internal Medicine</i>
<i>Physiotherapy Methods</i>
<i>Neurosurgery</i>
<i>Geriatric Diseases in Cats & Dogs</i>

Udder Health & Control Program

Advanced Imaging Techniques

Clinical Endocrinology

Special Food Products Hygiene & Technology

Molecular Techniques Used in The Diagnosis of Parasitic Diseases

Small Animal Dentistry