 

**FIRAT UNIVERSITY**

**FACULTY OF VETERINARY MEDICINE**

**UNDERGRADUATE CURRICULUM**

2024-2025

**FACULTY NAME : FACULTY OF VETERINARY MEDICINE**

**NAME OF PROGRAMME : VETERINARY MEDICINE EDUCATION COURSE LIST**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **YEAR 1ST/ SEMESTER I** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| ATM101 | Anatomy I | M | 3 | 4 | 7 | 5 | 8 |
| BFZ101 | Biophysics | M | 1 | - | 1 | 1 | 2 |
| BYS101 | Biostatistics | M | 1 | 2 | 3 | 2 | 3 |
| İSB101 | Occupational Health and Biosafety # | M | 1 | 2 | 3 | 2 | 3 |
| MBY101 | Medical Biology | M | 1 | - | 1 | 1 | 2 |
| MKY101 | Medical Chemistry | M | 1 | 2 | 3 | 2 | 3 |
| VTD101 | History of Veterinary Medicine and Deontology | M | 1 | - | 1 | 1 | 2 |
| TRD109 | Turkish Literature | M | 2 | - | 2 | 2 | 2 |
| AİT101 | Atatürk Principles and History of Revolution | M | 2 | - | 2 | 2 | 2 |
| YDİ107 YDA107 YDF107 | English  German  French | M | 2 | - | 2 | 2 | 2 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **16** | **10** | **26** | **21** | **30** |

**M**: Mandatory, **E**: Elective, **T**: Theoretical, **P**: Practice, **NC**: National Credit, **ECTS**: European Credit Transfer and Accumulation System #:**Integrated Course**: Given by the Departments of Food Hygiene and Technology, Pharmacology and Toxicology, and Virology.

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| **YEAR 1ST/ SEMESTER II** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| ATM102 | Anatomy II | M | 3 | 4 | 7 | 5 | 8 |
| BKM102 | Biochemistry I | M | 2 | 2 | 4 | 3 | 4 |
| FZY102 | Physiology I | M | 2 | 2 | 4 | 3 | 4 |
| GNT102 | Genetics | M | 1 | - | 1 | 1 | 2 |
| HST102 | Histology I | M | 2 | 2 | 4 | 3 | 3 |
| MBT102 | Medical Botany | M | 1 | - | 1 | 1 | 2 |
| TRD110 | Turkish Literature | M | 2 | - | 2 | 2 | 2 |
| AİT102 | Atatürk Principles and History of Revolution | M | 2 | - | 2 | 2 | 2 |
| YDİ108 YDA108 YDF108 | English  German  French | M | 2 | - | 2 | 2 | 2 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **18** | **10** | **28** | **23** | **30** |

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| **YEAR 2ND / SEMESTER III** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| BKM201 | Biochemistry II | M | 2 | 2 | 4 | 3 | 5 |
| EMB201 | Embryology | M | 1 | - | 1 | 1 | 2 |
| FZY201 | Physiology II | M | 3 | 2 | 5 | 4 | 5 |
| HDV201 | Animal Behaviours | M | 1 | - | 1 | 1 | 2 |
| HST201 | Histology II | M | 2 | 2 | 4 | 3 | 4 |
| İMN201 | Immunology | M | 1 | 2 | 3 | 2 | 3 |
| YTK201 | Feedstuffs, Feed Hygiene and Technology | M | 2 | 2 | 4 | 3 | 4 |
| ZTK201 | Zootechnics I | M | 1 | 2 | 3 | 2 | 4 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **14** | **12** | **26** | **20** | **30** |

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| **YEAR 2ND / SEMESTER IV** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| APD202 | Arthropodology | M | 1 | 2\* | 3 | 2 | 3 |
| GPH202 | General Parasitology and Helminthology | M | 3 | 2\*\* | 5 | 4 | 5 |
| GPJ202 | General Pathology | M | 2 | 2\* | 4 | 3 | 5 |
| HBB202 | Animal Nutrition and Nutritional Diseases | M | 2 | 2\*\* | 4 | 3 | 4 |
| HRF202 | Animal Welfare # | M | 1 | - | 1 | 1 | 2 |
| MBY202 | Microbiology I | M | 1 | 2\* | 3 | 2 | 5 |
| ZTK202 | Zootechnics II | M | 2 | 2\*\* | 4 | 3 | 5 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **13** | **12** | **25** | **19** | **30** |

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\* : **Lab-I**: Microbiology I + Arthropodology + Pathology (6 hours per week).

\*\* : **Lab-II**: Helminthology + Zootechnics II + Animal Nutrition (6 hours per week).

**# : Integrated Course:** Given by the Departments of Zootechnics and History of Veterinary Medicine and Deontology.

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| **YEAR 3RD / SEMESTER V** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| EKV301 | Epidemiology and Preventive Veterinary Medicine | M | 1 | - | 1 | 1 | 2 |
| FMK301 | Pharmacology I | M | 2 | 2\* | 4 | 3 | 4 |
| MBY301 | Microbiology II | M | 2 | 2\*\* | 4 | 3 | 4 |
| PRO301 | Protozoology | M | 2 | 2\* | 4 | 3 | 4 |
| PTL301 | Special Pathology I | M | 2 | 2\*\* | 4 | 3 | 5 |
| SHH301 | Aquatic Animal Diseases # | M | 1 | 1 | 2 | 2 | 2 |
| SHT301 | Milk Hygiene and Technology | M | 1 | 2\* | 3 | 2 | 3 |
| VRL301 | Virology | M | 3 | 2\*\* | 5 | 4 | 5 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **15** | **13** | **28** | **22** | **30** |

**M**: Mandatory, **E**: Elective, **T**: Theoretical, **P**: Practice, **NC**: National Credit, **ECTS:** European Credit Transfer and Accumulation System

\*: **Lab-I**: Pharmacology I + Milk Hygiene and Technology+ Protozoology (6 hours per week)

\*\* : **Lab-II**: Microbiology II + Special Pathology I + Virology (6 hours per week)

**# : Integrated Course:** Given bythe departments of Pathology, Microbiology, Parasitology and Virology.

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| **YEAR 3RD / SEMESTER VI** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| ARM302 | Anesthesiology and Reanimation | M | 1 | 1\* | 2 | 2 | 2 |
| DŞG302 | Introduction to External Diseases | M | 1 | 2\* | 3 | 2 | 3 |
| FMK302 | Pharmacology II | M | 3 | 2\*\* | 5 | 4 | 5 |
| HIS302 | Animal Breeding | M | 1 | - | 1 | 1 | 1 |
| HYİ302 | Livestock Economics | M | 1 | - | 1 | 1 | 1 |
| İÇG302 | Introduction to Internal Diseases | M | 1 | 2\* | 3 | 2 | 4 |
| KHS302 | Poultry Diseases # | M | 1 | 2\*\* | 3 | 2 | 4 |
| PTL302 | Special Pathology II | M | 3 | 2\*\* | 5 | 4 | 5 |
| RDY302 | Radiology | M | 1 | 1\* | 2 | 2 | 3 |
| TPA302 | Topographic Anatomy | M | 1 | - | 1 | 1 | 1 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **15** | **12** | **27** | **22** | **30** |

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\*: **Clinical Skills**: External Diseases + Internal Diseases (6 hours per week) + Anesthesiology/ Radiology (3 hours per week)

\*\*: **Lab-I**: Pharmacology II + Special Pathology II + Poultry Diseases (6 hours per week)

**# :** **Integrated Course:** Given by the departments of Microbiology and Virology.

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| **YEAR 4TH / SEMESTER VII** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| AYH401 | Foot Diseases | M | 1 | - | 1 | 1 | 1 |
| CRH401 | Surgery I | M | 3 | - | 3 | 3 | 4 |
| DBJ401 | Obstetrics and Gyneacology I | M | 3 | - | 3 | 3 | 3 |
| EME401 | Meat Hygiene, Insp. and Technology | M | 2 | - | 2 | 2 | 3 |
| İHT401 | Internal Medicine I | M | 4 | - | 4 | 4 | 5 |
| TKÇ401 | Toxicology & Environmental Protection | M | 2 | 2 | 4 | 3 | 4 |
| VHE401 | Veterinary Med. Legislation and Ethics | M | 1 | - | 1 | 1 | 1 |
| CKN401 | Surgery-Clinic | M | - | 2\* | 2 | 1 | 2 |
| DKN401 | Obstetrics and Gyneacology -Clinic | M | - | 2\* | 2 | 1 | 2 |
| GKN401 | Meat Hygiene and Technology-Clinic | M | - | 2\* | 2 | 1 | 2 |
| İKN401 | Internal Medicine-Clinic | M | - | 2\* | 2 | 1 | 2 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **17** | **10** | **27** | **22** | **30** |

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\*: **Clinic**: Internal Medicine + Surgery + Obstetrics and Gyneacology + Meat Hygiene and Technology (8 hours per week)

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| **YEAR 4TH / SEMESTER VIII** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| ADV402 | Forensic Medicine # | M | 1 | - | 1 | 1 | 1 |
| CRH402 | Surgery II | M | 2 | - | 2 | 2 | 3 |
| DBJ402 | Obstetrics and Gyneacology II | M | 2 | - | 2 | 2 | 3 |
| GDH402 | Food Hygiene and Control | M | 2 | 2 | 4 | 3 | 4 |
| İHT402 | Internal Medicine II | M | 2 | - | 2 | 2 | 3 |
| OTR402 | Traumatology and Orthopedic Surgery | M | 2 | - | 2 | 2 | 3 |
| RSA402 | Reproduction, Artificial Insemination and Andrology | M | 2 | - | 2 | 2 | 3 |
| VHH402 | Public Health in Veterinary Medicine | M | 1 | - | 1 | 1 | 1 |
| CKN402 | Surgery-Clinic | M | - | 2\* | 2 | 1 | 2 |
| DKN402 | Obstetrics and Gyneacology-Clinic | M | - | 2\* | 2 | 1 | 2 |
| İKN402 | Internal Medicine-Clinic | M | - | 2\* | 2 | 1 | 2 |
| SKN402 | Reproduction, Artificial Insemination-Clinic | M | - | 2\* | 2 | 1 | 2 |
|  | Elective Courses | E | 1 | - | 1 | 1 | 1 |
|  | **TOTAL** |  | **15** | **10** | **25** | **20** | **30** |

**M**: Mandatory, **E**: Elective, **T**: Theoretical, **P**: Practice, **NC**: National Credit, **ECTS**: European Credit Transfer and Accumulation System

\*: **Clinic**: Internal Medicine + Surgery + Obstetrics and Gyneacology + Reproduction, Artificial Insemination (8 hours per week).

#: **Integrated course:** Given by the Departments of Internal Medicine, History of Veterinary Medicine and Deontology, Pathology, Pharmacology and Toxicology.

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| **YEAR 5TH / SEMESTER IX** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **NC** | **ECTS** |
| İNT501 | INTERN TRAINING -1 (1st Group)\* | M | 10 | 20 | 30 | 20 | 30 |
| İNT502 | INTERN TRAINING -2 (2nd Group)\* | M | 10 | 20 | 30 | 20 | 30 |
| VBT501 | GRADUATION THESIS | M |  | 2 | 2 | 1 | 1 |
|  | **TOTAL** |  | **10** | **22** | **32** | **21** | **31** |

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| **YEAR 5TH / SEMESTER X** | | | | | | | |
| **CODE** | **COURSE NAME** | **M/E** | **T** | **P** | **Total** | **Credit** | |
|  |  |  |  |  |  | **UK** | **AKTS** |
| İNT501 | INTERN TRAINING-1 (2nd Group)\* | M | 10 | 20 | 30 | 20 | 30 |
| İNT502 | INTERN TRAINING-2 (1st Group)\* | M | 10 | 20 | 30 | 20 | 30 |
| VBT502 | GRADUATION THESIS | M |  | 2 | 2 | 1 | 1 |
|  | **TOTAL** |  | **10** | **22** | **32** | **21** | **31** |

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\*: Intern training will be performed for at least 14 weeks in the 9th and 10th semesters.

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| **SCOPE OF INTERN TRAINING-1 (INT 501) (1ST GROUP)** | | | | |
|  |  | ***Theoretical*** | ***Practice*** | ***Total*** |
| CLINICAL DIAGNOSIS | Microbiology | 10 | 20 | 30 |
| Pathology | 10 | 20 | 30 |
| Virology | 10 | 20 | 30 |
| Parasitology | 10 | 20 | 30 |
| Pharmacology - Toxicology | 10 | 20 | 30 |
| CLINICS | Surgery (Large Animal Clinic) | 10 | 20 | 30 |
| Surgery (Small Animal Clinic) | 10 | 20 | 30 |
| Internal Medicine (Large Animal Clinic) | 10 | 20 | 30 |
| Internal Medicine (Small Animal Clinic) | 10 | 20 | 30 |
| Obst. and Gyn. (Large Animal Clinic) | 10 | 20 | 30 |
| Obst. and Gyn. (Small Animal Clinic) | 10 | 20 | 30 |
| Reproduction, Artificial Insemination | 10 | 20 | 30 |
| EXTERNAL PRACTICAL TRAINING | Pet Clinics\* | --- | 30 | 30 |
| Farm Animal Clinics \*\* + Emergency (Weekend)\*\*\* | --- | 30 | 30 |
| **TOTAL** | | **120** | **300** | **420** |

\* Students will be trained by freelance veterinarians in their own clinics within the borders of Elazığ province between 08:00-15:00.

\*\* Students will be trained by freelance veterinarians in their own clinics within the borders of Elazığ province between 09:00-12:00.

\*\*\* It will be under the supervision of an emergency veterinarian between 08.30-16.00 on weekends (Saturday-Sunday).

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| **SCOPE OF INTERN TRAINING-2 (INT 502) (2ND GROUP)** | | | | |
|  |  | ***Theoretical*** | ***Practice*** | ***Total*** |
| BASIC SCIENCES | History of Veterinary Medicine and Deontology \*\*\* | 4 | 8 | 12 |
| Anatomy\*\* | 4 | 8 | 12 |
| Physiology \* | 4 | 8 | 12 |
| Biochemistry\* | 6 | 12 | 18 |
| Histology\*\* | 4 | 8 | 12 |
| ANIMAL PRODUCTION | Animal Nutrition and Nutritional Diseases | 10 | 20 | 30 |
| Zootechnics | 10 | 20 | 30 |
| Animal Health Economics and Management \*\*\* | 4 | 8 | 12 |
| Genetics\*\* | 2 | 4 | 6 |
| Biometrics\*\*\* | 2 | 4 | 6 |
| FOOD HYGIENE | Food Hygiene and Technology | 10 | 20 | 30 |
| CLINICS | Surgery (Large Animal Clinic) | 10 | 20 | 30 |
| Surgery (Small Animal Clinic) | 10 | 20 | 30 |
| Internal Medicine (Large Animal Clinic) | 10 | 20 | 30 |
| Internal Medicine (Small Animal Clinic) | 10 | 20 | 30 |
| Obst. and Gyn. (Large Animal Clinic) | 10 | 20 | 30 |
| Obst. and Gyn. (Small Animal Clinic) | 10 | 20 | 30 |
| Reproduction, Artificial Insemination | 10 | 20 | 30 |
| Emergency (Working days)\*\*\*\* | --- | 30 | 30 |
| **TOTAL** | | **130** | **290** | **420** |

\*Biochemistry (Monday, Tuesday Wednesday) + Physiology (Thursday, Friday)

\*\*Anatomy (Monday, Tuesday) + Histology (Wednesday, Thursday) + Genetics (Friday)

\*\*\* History of Veterinary Medicine and Deontology (Monday, Tuesday) + Animal Health Economics and Management (Wednesday, Thursday) + Biometrics (Friday)

\*\*\*\*It will be under the supervision of a veterinarian every working days between 17.00 and 23.00.

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| **Grade** | **Semester** | **Number of Courses**  **(M+E)** | **T** | **P** | **Total** | **Total/T**  **(14 weeks)** | **Total/P**  **(14 weeks)** |
| 1 | I | 10 + 1 | 16 | 10 | 26 | 224 | 140 |
|  | II | 9 + 1 | 18 | 10 | 28 | 252 | 140 |
| 2 | III | 8 + 1 | 14 | 12 | 26 | 196 | 168 |
|  | IV | 7 + 1 | 13 | 12 | 25 | 182 | 168 |
| 3 | V | 8 + 1 | 15 | 13 | 28 | 210 | 182 |
|  | VI | 10 + 1 | 15 | 12 | 27 | 210 | 168 |
| 4 | VII | 11 + 1 | 17 | 10 | 27 | 238 | 140 |
|  | VIII | 12 + 1 | 15 | 10 | 25 | 210 | 140 |
| 5 | IX | İntern+Grad T. | 10 | 22 | 32 | 120 | 328 |
|  | X | İntern+Grad T. | 10 | 22 | 32 | 130 | 318 |
| Total |  | 75 + 8 | 143 | 133 | 276 | 1972 | 1892 |
| **Internship** | | | | | | | 240 |
| **Total Practice** | | | | | | | **2132** |
| **Grand Total (T+P)** | | | | | | | **4104** |
| **Theoretical %** | | | | | | | **48,05** |
| **Practice %** | | | | | | | **51,95** |
| **Practice /Theoretical** | | | | | | | **1,081** |

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