# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET109 | ANATOMY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET109 | ANATOMY-I | 7 | 5 | 7 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To give terminology of basic anatomy, to teach in comparison with the morphological characteristics of locomotor system and nervous systems of domestic mammals.
**Teaching Methods and Techniques:**
Introduction to Anatomy, terminology, Chondrology and Osteology. Skull – Skull bones Vertebral column, Ribs and Sternum Thoracic Limb Pelvic Limb Introduction to Arthrology, skull, hyoid bone, joints and ligaments of vertebral column. Joints and ligaments of foreleg and hindleg. Introduction to myology, accessories of muscles , muscles of skind and head. Body axis and tail muscles. Forelimb muscles. Hindlimb muscles. Central nervous system, Brain, Spinal cord. Peripheral nervous system Peripheral nervous system Autonomic nervous system
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Fatma İŞBİLİR
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1- Veteriner Anatomi-Hareket Sistemi (T. Özgüden, A. Bahadır2010) |
| **Resources** | : | 2- Veteriner Anatomi-I (N. Dursun,2010) |
| **Documents** | : | 3- Veteriner Anatomi-Kemik,eklem,kas (M. Taşbaş, 2001) |
| **Assignments** | : | 4- Veteriner Anatomi-III (N. Dursun,2010) |
| **Exams** | : | 1- Textbook of Veterinary Anatomy ( Dyce, K.M.,1987, Philadelphia ) |
| | | 2- The Anatomy of the Domestic Animals I-II-III-IV- (Nickel, 1981, Berlin) |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 0 | **Education** | : | 0 |
| **Engineering** | : | 0 | **Science** | : | 0 |
| **Engineering Design** | : | 0 | **Health** | : | 0 |
| **Social Sciences** | : | 0 | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to Anatomy and General Osteologia | | |
| 2 | Appendicular skeleton | | |
| 3 | Bones of the pelvic limbs: Pelvic bone and diameters of pelvic, Thigh Bones of crus, Tarsal bones, Bones of digitorum pedi | | |
| 4 | Vertebral column: Cervical vertebrae, Thoracic vertebrae, Lumbar and sacral vertebrae. -Rib, Sternum | | |
| 5 | Cranial bones: Occipital, interparietal, sphenoidal, pterygoid, temporal, parietal, frontal, ethmoidal and vomer bones | | |
| 6 | -Facial bones: Nasal, lacrimal, maxillar, incisiv, palatine and zygomatic bones -Mandible, Hyoid bone | | |
| 7 | Structure and properties of joints, jaw joint, joints of the vertebral column, joints of the thorax, | | |
| 8 | MID EXAM | | |
| 9 | -Joints of the thoracic limb, shoulder joint, elbow joint, joints of the manus.-Joints of the pelvic limb, sacroiliac joint, hip joi | | |
| 10 | -Accessory organs of muscle- Skeleton muscles, skin muscles | | |
| 11 | -Muscles of head, muscles of neck, hyoid muscles, fascia. | | |
| 12 | -Dorsal muscles, thoracic muscles, diaphgram, abdominal muscles | | |
| 13 | Muscles of the thoracic limb, muscles of the pelvic limb.Synovial bursae, tendon sheaths | | |
| 14 | -Nares, nasal, rostral and nasolabial planes, nasal cavity. | | |
| 15 | -Cartilage of larynx, cavity of larynx, glottis, trachea, lungs, -Pleura mediastine | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | 1-Learning anatomy terminology which will form the basis of anatomy. |
| C02 | Learning main body systems and the basic concepts of systematic anatomy. |
| C03 | Learning domestic animals forming the subject of veterinary anatomy and their locations of zoological system. |
| C04 | Achieve to basic features of locomotor systems of domestic mammals (horse, cow, sheep, goat, pig, dog, cat, etc.) and constant anatomical similarities and differences between animal species. |
| C05 | Achieve to the basic features and differences of locomotor systems of domestic mammals and avian |
| C06 | Achieve to species identification on bones and muscles by taking into account the information pointed out above, |
| C07 | Achieve to the anatomical features of the nervous system of domestic mammals by comparing between species. |
| C08 | Achieve to basic information that may be based on general exenteration and clinical practice and can guide the physician. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 7 | 98 |
| Hours for off-the-c.r.stud | 14 | 5 | 70 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 18 | 18 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 24 | 24 |
| **Total Work Load** | | | **210** |
| **ECTS Credit of the Course** | | | **7** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 4 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 3 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C07 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C08 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| ATA101 | PRINCIPLES OF ATATÜRK AND TURKISH REVOLUTION HISTORY I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | ATA101 | PRINCIPLES OF ATATÜRK AND TURKISH REVOLUTION HISTORY I | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The establishment of the Republic of Turkey as a secular and unitary state after the collapse of the Ottoman Empire; history of Turkish modernization experience in accordance with the establishment of the new state, the instruction of the Turkish Revolution pioneered by Kemal Atatürk and the Kemalist thought, as the meaning and statement of modernity and secularism in Turkey to young generations and let them figure out its significance.
**Teaching Methods and Techniques:**
Narration and discussion
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Instructor Said OLGUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | EROĞLU, Hamza, Türk İnkılâp Tarihi, 3. Baskı, Savaş Yayınevi, Ankara, 2008.,YALÇIN, Semih, Atatürk İlkeleri ve İnkılâp Tarihi, 1. Baskı, Berikan Ya |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | |
| **Social Sciences** | : | 50 | **Field** | : | 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Factors as the basis and motives of political modernization: the abolition of the dynasty, The establishment of the Republic | | |
| 2 | The Turkish political climate between 1920-1938: The political parties in the Turkish Grand National Assembly: Republican | | |
| 3 | The legal dimension of political modernization, the institutions of secular legal system, codifications that regulate the politic | | |
| 4 | Revolution on social and health areas. Regulation of costume. The law of hat. The law of surname. Abolition of Dervish lod | | |
| 5 | Revolutions on culture, education, language, history and alphabet. Revolution of education and its importance. Principles w | | |
| 6 | Revolutions on economic sphere. Economical aims of Republican period. Economy congress in Izmir. Mixed economy proje | | |
| 7 | Kemalism. Formative principles of new Turkey. National sovereignty. Nationalism | | |
| 8 | Secularism, Republicanism, Populism | | |
| 9 | Etatism, Revolutionary, | | |
| 10 | Foreign policy of Ataturk era. General conjuncture of the Republican period. General status of Turkish foreign policy. Topics | | |
| 11 | Relation with France and Hatay problem. Exchange of population with Greece. And resident question and its solution. Relat | | |
| 12 | Policies against increasing war threat. Turkey's membership of League of Nations. Balkan and Sadabat Pacts. Monteux trea | | |
| 13 | The characteristics of change in Turkish political life following the World War II: The establishment of multi-party system. T | | |
| 14 | The Democratic Party in power (1950-1960): Its domestic & foreign policy<br>The end of the Cold War: Collapse of the Soviet Union, unification of Germany, the breakup of Yugoslavia and its repercuss | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | 1 Understands the basic features of revolution and similar concepts, their aims and their relations with each other. 2 Learns the basic information about the internal and external causes leading to t |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET131 | PHYSICAL EDUCATION-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET131 | PHYSICAL EDUCATION-I | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
INTRODUCED AND is acknowledges himself. Will develop their skills, MISSING AND POWER STEERING recognizes. AGAINST THE BODY AND HEALTH awareness of the, AGAINST THE BODY AND HEALTH awareness of the, USING AN EFFECTIVE BİCİMDE the organism to learn. HEALTHY AND HAPPY LIFE FOR KNOWLEDGE, SKILLS AND PERSONAL, SOCIAL BEHAVIOR will WIN
**Teaching Methods and Techniques:**
EVALUATION OF EXAMINATION
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Instructor DENİZ ÇAKAROĞLU
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1.Physical Education in Schools (Hikmet ARICI) in 1999. |
| **Resources** | : | 2.Fundamental Principles of Physical Education and Sports (Yrd.Doç.Dr.Faruk Yamaner) 2001 |
| **Documents** | : | |
| **Assignments** | : | PEHLİVAN, H. (2005). Oyun ve Öğrenme. Anı Yayıncılık: Ankara. |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Game Type: Football, Volleyball, Basketball, Handball overview | | 1.Physical Education in Schools (Hikmet |
| 2 | The game rules and techniques of soccer games | | 1.Physical Education in Schools (Hikmet |
| 3 | Basic techniques and rules of the game of volleyball | | |
| 4 | Basketball \ 's the basic techniques and rules of the game. | | 3. 1997 Basketball Technical-Tactical-Tr |
| 5 | Basic techniques and rules of the game of handball games | | 2. Beden eğitimi ve spord |
| 6 | And types of educational games, educational games applications. | | 3. Atletizm ( Mustafa İşler |
| 7 | The characteristics of Turkish folk dances, and stories vary by location | | |
| 8 | And types of educational games, educational games applications. | | |
| 9 | MID-TERM EXAM | | |
| 10 | Movement and rhythmic gymnastics | | |
| 11 | Order exercises (command, walking, stops, strings, wheel available, turns and stops, over the counting of | | |
| 12 | Ceremony marches, rhythm runs | | 2. Beden eğitimi ve spord |
| 13 | Related (games, music and Rontlar'la rhymes should) case studies | | |
| 14 | Modernise folk dance | | 2. Beden eğitimi ve spord |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | INTRODUCED AND is acknowledges himself. |
| C02 | Will develop their skills, |
| C03 | MISSING AND POWER STEERING recognizes. |
| C04 | AGAINST THE BODY AND HEALTH awareness |
| C05 | USING AN EFFECTIVE BICIMDE the organism to learn. |
| C06 | HEALTHY AND HAPPY LIFE FOR KNOWLEDGE, SKILLS AND PERSONAL, SOCIAL BEHAVIOR will WIN |
| C07 | Gain the concept of life-long sport. |
| C08 | Understands the elements of physical fitness |
| C09 | Identifies the effects of regular exercise on the body. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 3 | 42 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET127 | INFORMATION TECHNOLOGY AND SCIENTIFIC DOCUMENTATION METHODS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET127 | INFORMATION TECHNOLOGY AND SCIENTIFIC DOCUMENTATION METH | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To form the basis of scientific knowledge, to help students analyze their scientific thinking and scientific publications have a structure. Students of information technology, they will be trained in the methods of science and research issues in the use of scientific research and knowledge.
**Teaching Methods and Techniques:**
philosophy of science,information technology and rsearch.
**Prerequisites:**

**Course Coordinator:**
Prof. Nihat ŞINDAK
**Instructors:**
Asist Prof. Özgür Yaşar ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Yaşar,A.(2007).Bilgi teknolojileri ve Bilimsel dökümantasyon metotları ders notları Armağan,İ.(1974).Billgi ve toplum 1.Bilgi sosyolojisine giriş Barza |
| **Resources** | : | Bilgi Teknolojileri ve Örgütsel Değişim Çoban, H. (1996).,Armağan, İ. (1974). Bilgi ve Toplum |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | VİZE,FİNAL,BÜTÜNLEME SINAVI |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | 20 |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 40 |
| **Social Sciences** | : | 40 | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | veterinary education-teaching program in place and the importance of information technology and scientific documentation | | |
| 2 | Knowledge of the function and clasification. | | |
| 3 | Modern means of information and science qualifies. | | |
| 4 | Information from the agricultural society to an industrial society to an industrial society and the transition to society | | |
| 5 | change the speed and scale of change. | | |
| 6 | measurement of knowledge,growth and differentiation and the digital divide separating the branches of science. | | |
| 7 | The information society infrastructure,economic and human parameters. | | |
| 8 | VIZE | | |
| 9 | computers,Micro-electronics,robots,communication technology | | |
| 10 | computers,Micro-electronics,robots,communication technology | | |
| 11 | biotechnology and new materials. | | |
| 12 | internet,intranet,extranet and e-commerce. | | |
| 13 | scientific research and types of research. | | |
| 14 | Researcher and the methodology of scientific research,researchers properties. | | |
| 15 | analysis of scientific article and writing techniques. | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Access to information and social life saves just use my talents. |
| C02 | Obtain to launch the research and researcher identification. |
| C03 | Provide to making ability for the scientific paper analysis |
| C04 | Conceiving the scientific paper preparing methodlogy. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 3 | 42 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET133 | VISUAL ARTS EDUCATION-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET133 | VISUAL ARTS EDUCATION-I | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Students develop their understanding of art and art overview
**Teaching Methods and Techniques:**
Lectures and practice. Why are we doing pictures. The materials used in the picture. Study points. Line Study. Tissue work. Lavin work. Color Pass and Color Wheel. Drawing design work. Perspective work. Perspective work
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Instructor Demet Erkuzu
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Lecture notes, published several books on Art and Photos |
| **Resources** | : | Resim -I- (Dr.Mümtaz Işıngör,Prof.Dr.Erol Eti,Prof.Dr.Mustafa Aslıer)Temel Sanat Eğitimi (Nevide Gökaydın)Temel Sanat Eğitimi (Oya Abacı),Temel |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | 20 | **Health** | : | |
| **Social Sciences** | : | | **Field** | : | 80 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | What is art? Artist görevleri.sanat effects on society. | | Art and books published over the picture |
| 2 | Why are we doing photos? | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 3 | The materials used in the picture | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 4 | Study Destinations | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 5 | Line Work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 6 | Texture work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 7 | Texture work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 8 | Lavin study | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 9 | Crossing Circle of Color and Color | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 10 | Crossing Circle of Color and Color | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 11 | Drawing pattern work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 12 | Drawing pattern work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 13 | Perspective studies | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 14 | Perspective studies | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | From classical to contemporary drawing and painting materials to define. |
| C02 | The use of materials and techniques to distinguish the differences. |
| C03 | Fix materials and techniques appropriate to the purpose to know the material. |
| C04 | In visual contrast and balance in the composition of the principles will recognize the relationship. |
| C05 | Develop an idea conceptually appropriate materials, techniques and pictorial language to express the artistic sense. |
| C06 | Photos and understanding of the importance of the artist. |
| C07 | Brushes, water-based paints and oil-based paints stronger technical skills which will show dominance. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 3 | 42 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 11 | 11 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 23 | 23 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C01 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C02 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C03 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C04 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C05 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C06 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C07 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET113 | HISTOLOGY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET113 | HISTOLOGY-I | 4 | 3 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The objective of the course is to teach the students the morphological and functional features of the cells and different tissues in domestic animals and fowls
**Teaching Methods and Techniques:**
Cytology and histology
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nurhayat Gülmez
**Instructors:**
Prof.Dr. Nurhayat Gülmez
**Assistants:**
Research Assist. Merve PekinceAsist Prof.Dr. Günsel Kirman

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Özer, A., Girgin, A., Alabay B., Liman, N., Özfiliz, N., Gülmez, N., Özcan, |
| **Resources** | : | Z., Yörük, M., Erdost, H., Aslan, Ş., Ergün, L., Zık, B. (2008): Veteriner Özel Histoloji. Nobel Yayın Dağıtım Tic. Ltd. Şti. Ankara. |
| **Documents** | : | 2. Sağlam, M., Aştı, R.N., Özer, A. (2001): Genel Histoloji. Genişletilmiş 6. |
| **Assignments** | : | baskı, Yorum Matbaacılık, Ankara. |
| **Exams** | : | 3. Tanyolaç, A. (1999): Özel Histoloji. Yorum Basın Yayın Sanayi Ltd. Şti. Ankara. |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction, description of the cell and cytoplasm. | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 2 | Membraneceous organelles (endoplasmic reticulum, Golgi apparatus, lysosome, mitochondrion) | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 3 | Fibrillar organelles (centrosome,mitotic spindle) | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 4 | Nucleus, moleculare structure of nucleic acid, sex chromatin, nucleolus | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 5 | Cell division, cell differentiation | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 6 | Epithelial tissue. | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 7 | Connective tissue cells | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 8 | Connective tissue cells | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 9 | Cartilage tissue | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 10 | Bone tissue | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 11 | Blood tissue | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 12 | Blood tissue | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 13 | Muscle tissue | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 14 | Nerve tissue | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |

## Recommended Optional Programme Components

VET525 ANATOMY
VET527 BIOCHEMISTRY
VET529 PHYSIOLOGY

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The recognition of the cell and tissues at microscopic level. |
| C02 | Recognize and distinguish the properties of cells in tissues. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 4 | 56 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 5 | 5 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 3 | 4 | 5 | 5 |
| C01 | 5 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 5 | 4 | 3 | 4 | 4 | 5 | 5 | 4 | 3 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| ING101 | ENGLISH-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | ING101 | ENGLISH-I | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach basic grammatical structures with the help of related lecturing and exercises, and to develop reading- comprehension- writing skills in a certain level
**Teaching Methods and Techniques:**
Basic topics at the level of A1 and A2, to be verbs, possessive pronouns, family members, simple present tense, jobs, common time expression adverbs and usage, formulaic expressions, singular and plural, there is/are and demonstratives, modals, past to be verbs, quantifiers, simple past tense
**Prerequisites:**

**Course Coordinator:**
Instructor Cüneyt DEMİR
**Instructors:**
Instructor Cüneyt DEMİR
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | - New Headway Elementary Student's Book&Workbook Liz and John Soars third edition ,2- English for Life Student's Book&Workbook Tom Hutchin |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 80 |
| **Social Sciences** | : | **Field** | : | 20 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to the English language | | |
| 2 | ?m/is/are: The verb to be is introduced in all persons, singular and plural | | |
| 3 | The possessive 's | | |
| 4 | Members of the family (father, aunt, etc.) | | |
| 5 | The Present Simple Tense part 1 | | |
| 6 | The Present Simple Tense part 1 | | |
| 7 | The Present Simple Tense part 1 | | |
| 8 | Where are you from? | | |
| 9 | There is and there are structures | | |
| 10 | Where do you live? | | |
| 11 | can, can't / statements, questions, negatives | | |
| 12 | was/were, and could/couldn't. | | |
| 13 | The Past Simple Tense | | |
| 14 | The past forms of the form of the verbs | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | to be able to distinguish and use given tenses with the help of keywords |
| C02 | To be able to form positive- negative sentences and questions in different tenses. |
| C03 | To be able to reorder mixed items in a sentence according to English sentence structure |
| C04 | To be able to form dialogues in basic subjects |
| C05 | To be able to learn new vocabulary |
| C06 | To be able to comprehend the reading material in sentence, paragraph and textual level with increasing vocabulary |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **58** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 |
| C01 | 3 | 4 | 3 | 5 | 4 | 3 | 4 | 4 | 3 | 5 | 4 | 3 |
| C02 | 5 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 3 | 2 | 4 | 3 |
| C03 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 4 | 2 | 3 | 4 | 2 |
| C04 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 2 |
| C05 | 4 | 3 | 2 | 4 | 2 | 4 | 4 | 3 | 2 | 4 | 2 | 3 |
| C06 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET141 | GOOD VETERINARY MEDICINE APPLICATIONS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET141 | GOOD VETERINARY MEDICINE APPLICATIONS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Introducing the veterinary profession, in terms of public health importance
**Teaching Methods and Techniques:**
1. Veterinary professional organizations related to the introduction 2. Rules of social order, the fundamental ethical principles of the profession of veterinary, 3. Duties and responsibilities of veterinarians. 4. Good veterinary practice rules I 5. Good veterinary practice rules II 6. A tour of the work area of Veterinary Medicine 7. Relationship with each other in terms of veterinary medicine courses in the veterinary field preparation 8. Introduction of Veterinary Medicine study area 9. Patient Rights, Patient regulation of the relations with the owner 10. Veterinary Medicine for inclusion in the promotion of tools and equipment, professional discussion of the problems encountered in the implementation 11. The role of veterinarians in the food industry 12. Good veterinary practices in the food industry 13. Good laboratory practice in Veterinary Medicine 14. Veterinary Medicine and Public Health
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**
Prof.Dr. Nihat ŞINDAK

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | İYİ VETERİNER UYGULAMALARI KURALLARI – FVE*(Code of Good Veterinary Practise) Safiye ERGİN KAYA & Zafer KAYA, Ali BİLGİLİ. Bu çeviri / ra |
| **Resources** | : | good veterinary practices |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Veterinary professional organizations related to the introduction | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 2 | Rules of social order, the fundamental ethical principles of the profession of veterinary, | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 3 | Duties and responsibilities of veterinarians. | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 4 | Good veterinary practice rules I | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 5 | Good veterinary practice rules II | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 6 | A tour of the work area of Veterinary Medicine | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 7 | Relationship with each other in terms of veterinary medicine courses in the veterinary field preparation | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 8 | Introduction of Veterinary Medicine study area | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 9 | Patient Rights, Patient regulation of the relations with the owner | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 10 | Veterinary Medicine for inclusion in the promotion of tools and equipment, professional discussion of the problems encount | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 11 | The role of veterinarians in the food industry | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 12 | Good veterinary practices in the food industry | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 13 | Good laboratory practice in Veterinary Medicine | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 14 | Veterinary Medicine and Public Health. | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Faculty of Veter structure , responsibilities of veterinarians , food safety and public health roles of veterinarians will be provided to learn. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 11 | 11 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 1 | 3 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 1 | 3 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET139 | LABORATORY WORK PRINCIPLES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET139 | LABORATORY WORK PRINCIPLES | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To learn practical and theoretical information about basic laboratory applications, to learn the principles of manual operation
**Teaching Methods and Techniques:**
Introduction to basic sciences laboratories, Basics of measurement, Solution preparation, pH measurement, sample preparation techniques, tissue preparation techniques, Buffer solution, percentage solution, preparation of solution types, Basic biochemical, physical and histological methods introduction, Carbohydrate determination, Lipid determination, Protein determination, Isoelectricity point determination, determination of amino acids by paper chromatography, tissue staining, immunohistochemistry techniques
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Zelal KARAKOÇ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Presentations, lecture notes |
| **Resources** | : | lecture notes |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | introduction of basic sciences laboratories | Course of the study subjects planned to | Lecture notes |
| 2 | Basics of measurement | Course of the study subjects planned to | Lecture notes |
| 3 | Solution preparation, pH measurement, sample preparation techniques | Course of the study subjects planned to | Lecture notes |
| 4 | Preparation of various solutions such as buffer solution, percent solution etc. | Course of the study subjects planned to | Lecture notes |
| 5 | histochemical techniques | Course of the study subjects planned to | Lecture notes |
| 6 | Introduction to basic biochemical and physiological methods | Course of the study subjects planned to | Lecture notes |
| 7 | Week of exams | subject repetition | lecture notes |
| 8 | Tissue taking, fixation, sectioning, staining methods | Course of the study subjects planned to | Lecture notes |
| 9 | Determination of carbohydrate | Course of the study subjects planned to | Lecture notes |
| 10 | Determination of lipid | Course of the study subjects planned to | Lecture notes |
| 11 | Protein determination | Course of the study subjects planned to | Lecture notes |
| 12 | Determination of isoelectric point | Course of the study subjects planned to | Lecture notes |
| 13 | Determination of amino acids by paper chromatography | Course of the study subjects planned to | Lecture notes |
| 14 | Immunohistochemical methods | Course of the study subjects planned to | Lecture notes |
| 15 | Subject repetition | Course of the study subjects planned to | Lecture notes |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Give information about glass and other materials used in laboratory applications |
| C02 | Will be able to give information about microscopes and usage |
| C03 | Explain the methods of biological and medical materials |
| C04 | Tissue taking, tissue follow-up, paraffin blocking, tissue staining and photographic examination of tissues under a microscope |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 1 | 15 | 15 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 2 | 2 |
| Practice | 0 | 0 | 0 |
| Laboratory | 1 | 15 | 15 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 4 | 4 |
| **Total Work Load** | | | **36** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C01 | 5 | 4 | 5 | 5 | 3 | 5 | 3 | 3 | 5 | 5 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 5 | 5 |
| C02 | 5 | 4 | 5 | 5 | 3 | 5 | 3 | 3 | 5 | 5 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 5 | 5 |
| C03 | 5 | 4 | 5 | 5 | 3 | 5 | 3 | 3 | 5 | 5 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 5 | 5 |
| C04 | 5 | 4 | 5 | 5 | 3 | 5 | 3 | 3 | 5 | 5 | 2 | 3 | 5 | 3 | 3 | 3 | 2 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET101 | MEDICAL BIOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET101 | MEDICAL BIOLOGY | 1 | 1 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The biological properties of organisms, methods of scientific studies, the group was the living world, general structure of the cell, organism forming compounds and respiration of these compounds, methods of cleavage and development events.
**Teaching Methods and Techniques:**
Structural and functional characteristics of living
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Instructors:**
Associate Prof.Dr. H.Turan AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Medical Biology Dr. Ayşe BAŞARAN Nobel & Güneş Tıp Kitapevleri 2012 |
| **Documents** | : | Başaran,A.2009.Tıbbi biyoloji.pelikan yayınları |
| **Assignments** | : | |
| **Exams** | : | SINAVLAR:VİZE,FİNAL,BÜTÜNLEME SINAVI |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | 40 |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | biology and medical biology definition;the main lower and side branches of biology | | |
| 2 | science and the sciencetific method,the common characteristics of living things,the relationships between organisms | | |
| 3 | diversity of organisms and their classification | | |
| 4 | introduction to cell biology,the structure of the cell membrane | | |
| 5 | the cell organelles and cell analysis methods | | |
| 6 | physical and chemical properties of organisms,diffusion ,osmosis,plasmolysis and deplasmolysis,the turgor | | |
| 7 | biological molecules, carbohydrates, fats, proteins and nucleic acids, enzymes, hormones, proteins | | |
| 8 | Midterm | | |
| 9 | respiratory and moleculer biology ,atp,fermentation and aerobic respiration | | |
| 10 | cell division | | |
| 11 | animal reproduction and embryonic development. | | |
| 12 | biologycall tissues | | |
| 13 | the basic principles of genetics | | |
| 14 | the basic concepts of ecology.ecosytem and features | | |
| 15 | basic concepts of ecology | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Access to information and social life saves just use my talents. |
| C02 | Provides information about methods and concepts used in biology |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **44** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET103 | MEDICAL PHYSICS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET103 | MEDICAL PHYSICS | 1 | 1 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Upon successfull completion of this course, the students will be able to; interpret the basics in medical physic, describe the knowledge of basic physical, electrical and chemical activities on animals, interpret cell structures, transport systems, neurons and action potentials.
**Teaching Methods and Techniques:**
Biophysics aims to impart to students the basic knowledge and skills related to the whole system.
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Sevgi GÜNEŞ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Anabilim Dalının ders notları, -Dukes Veteriner Fizyoloji, Medipres (2008) -Guyton& Hall Tıbbi Fizyoloji Nobel Tıp Kitabevi (2007) -Evcil Hayvanların |
| **Resources** | : | Dukes Veteriner Fizyoloji, Medipres (2008) -Guyton& Hall Tıbbi Fizyoloji Nobel Tıp Kitabevi (2007) -Functional Anatomy and Physiology of Domestic |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : 50 |
| **Engineering Design** | : | | **Health** | : 50 |
| **Social Sciences** | : | | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to medical physic. | | |
| 2 | Animal and Human cell: Structures | | |
| 3 | Animal and Human cell: Transport systems | | |
| 4 | Neurons | | |
| 5 | Neurons, Action Potentials | | |
| 6 | Action Potentials | | |
| 7 | ECG | | |
| 8 | MIDTERM EXAM | | |
| 9 | ECG | | |
| 10 | Optics and Eye | | |
| 11 | Sound waves and Hearing | | |
| 12 | Student presentations | | |
| 13 | Student presentations | | |
| 14 | Student presentations | | |
| 15 | student presentations | | |
| 16 | Final Exam. | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Demonstrate skills and tools necessary to promote life-long learning |
| C02 | With awareness of the needs of the country and regions, offer the solutions and treatment options in veterinary services by using scientific technique and methods. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 16 | 1 | 16 |
| Hours for off-the-c.r.stud | 12 | 3,50 | 42 |
| Assignments | 2 | 2 | 4 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 9 | 9 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 18 | 18 |
| **Total Work Load** | | | **89** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 |
| C01 | 4 | 5 | 4 | 4 | 2 | 3 | 2 | 1 | 1 | 3 | 4 | 2 | 3 | 3 | 2 | 1 | 2 | 3 | 3 |
| C02 | 4 | 4 | 4 | 4 | 2 | 3 | 2 | 1 | 1 | 3 | 4 | 2 | 3 | 3 | 2 | 1 | 2 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET137 | PROFESSIONAL ENGLISH-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET137 | PROFESSIONAL ENGLISH-I | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach students the English and Turkish equivalents of general terminology in related fields-to gain the ability to understand the parts of the profession
**Teaching Methods and Techniques:**
To teach students the general terminology in English and Turkish in related fields and to gain the ability to understand the parts related to the profession.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. AYFER FINDIK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 2 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 3 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 4 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 5 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 6 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 7 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 8 | mid term exam | Course of the study subjects planned to | Medical Passages & Vocabulary for UDS |
| 9 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 10 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 11 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 12 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 13 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 14 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 15 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning English terminology that can be encountered throughout the professional life |
| C02 | To gain the ability to understand simple and medium medical articles. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET135 | MUSIC-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET135 | MUSIC-I | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To understand the contents of the basic concepts of music and music-related education to have knowledge.
**Teaching Methods and Techniques:**
Basic music knowledge, music note knowledge, space knowlege in music notes, rhythm in musicı, making song repertoryı; sorts of music in Turkey and world; traditional music and modern music, teaching enstruments, playing enstrument and singing together, role of music in education, developing creativty in music
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Instructor Halil KILIÇVURAN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1-Yurga,c.(2004)20.century popular Music in turkey |
| **Resources** | : | 2-SUN M.(1998) Fundamentals of Music education with songs Türkülerle |
| **Documents** | : | Online course content and Ahmet Say's Müzik Tarihi |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | |
|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : |
| **Engineering** | : | **Science** | : |
| **Engineering Design** | : | **Health** | : |
| **Social Sciences** | : | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | One octave voices and teaching voices with flute | | Textbook |
| 2 | Teaching C,D,E voices with flute and exercises | | Textbook |
| 3 | Teaching F,G,A,B voices with flute and exercises | | Textbook |
| 4 | Teaching cild songs in C,D,E voice space | | Textbook |
| 5 | Teaching child songs in F,G,A,B voice space | | Textbook |
| 6 | Fonomimi exercises | | Textbook |
| 7 | Mid-Term Exam | | |
| 8 | Teaching Çarşıya vardım,çiftlik songs with flute | | Textbook |
| 9 | Teaching basic traditional child songs bona and flüt exercises | | Textbook,sourcebooks |
| 10 | Teaching" subat,mevsimler" songs with flute | | Source books |
| 11 | Teaching Kış,Okul songs with flüt | | Textbook |
| 12 | Teaching Anneciğim and Hayvanlar songs with flut | | Textbook,sourcebook |
| 13 | Teaching Bayrağım and Bilmem şu feleğin songs with flute | | Source books |
| 14 | The teaching of national anthem | | Textbook |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Perform the blokflüt exercises |
| C02 | Perfom the fonomimi exercises |
| C03 | Play sogns with an musical instruments |
| C04 | Read notes of child's sings |
| C05 | Teach of child's sings |
| C06 | Prepeare a child chorus |
| C07 | Use child's sings at enother lessons |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 25 | 3 | 75 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 0 | 0 |
| Practice | 1 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **117** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C01 | 1 | 3 | 3 | 2 | 3 | 5 | 3 | 4 | 3 | 5 | 5 | 5 |
| C02 | 3 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 5 | 5 | 5 |
| C03 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 5 |
| C04 | 3 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 5 |
| C05 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 |
| C06 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 |
| C07 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET105 | ORGANIC CHEMISTRY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET105 | ORGANIC CHEMISTRY | 1 | 1 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach general and specific knowledge about Organic Chemistry.
**Teaching Methods and Techniques:**
General Organic Chemistry and Organic Chemistry Reactions threads
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. MAHİRE BAYRAMOĞLU AKKOYUN
**Instructors:**
Associate Prof.Dr. KIVANÇ İRAKAssociate Prof.Dr. Mahire Bayramoğlu Akkoyun
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Organic Chemistry |
| **Resources** | : | |
| **Documents** | : | Biochemistry -II |
| **Assignments** | : | Solomons G. and Fryhle C., (Translation Editors Okay G. and Yıldırır Y.), Organic Chemistry, 7th Edition, Translation, Literature Publishing, Istanbul, |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 10 | **Education** | : | |
| **Engineering** | : | 10 | **Science** | : | 50 |
| **Engineering Design** | : | | **Health** | : | 30 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Structure of Atom and Periodic System | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 2 | Chemical Bondings | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 3 | Basic Structure of Materials | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 4 | Basic Rules of Chemical Reactions | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 5 | Acids and Bases | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 6 | Kinetic of Chemical Reactions | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 7 | Structure and Reaction Types of Organic Compounds | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 8 | MID EXAM | | |
| 9 | Structure Formulas and Naming | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 10 | Alipathic and Carboxyls | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 11 | Heterocyclic Compounds | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 12 | Amines | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 13 | Alcohols and Eters | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 14 | Aldehydes and Ketones | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |
| 15 | Amino Acids and Peptides | Preparatory courses on the subject | Organic Chemistry Biochemistry-I Bioche |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Students will learn general organic chemistry and organic chemistry reactions topics. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 11 | 11 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 1 | 2 | 3 | 1 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 4 | 5 | 5 |
| C01 | 5 | 4 | 1 | 2 | 3 | 1 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 4 | 5 | 5 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET129 | BASIC COMPUTER | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET129 | BASIC COMPUTER | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The objetcive of the course is to teach veterinary students to gain ability to use computer and computer softwares needed in veterinary education and veterinary profession.
**Teaching Methods and Techniques:**
Introduction to computer sciences History of computers and areas that computers are used Fundemental terms, concepts and principles of computer use Program, data, programing language, file, folder and drivers Build in computer hardwares External computer hardwares Introduction to softwares and operation systems Mid-term exam Windows 7 operation systems Data protection in computer use Microsoft Word 2010 Microsoft Excel 2010 Microsoft Powerpoint 2010 Photoshop and corel draw Internet softwares and principles of surfing in the internet
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Özgür Yaşar ÇELİK
**Instructors:**
Asist Prof.Dr. Özgür Yaşar ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Yaşar,A.(2007).Bilgi teknolojileri ve Bilimsel dökümantasyon metotları ders notları Armağan,İ.(1974).Billgi ve toplum.Bilgi sosyolojisine giriş Barzan |
| **Resources** | : | Yaşar,A.(2007).Bilgi teknolojileri ve Bilimsel dökümantasyon metotları ders notları. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 50 |
| **Social Sciences** | : | **Field** | : | 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to computer sciences | | |
| 2 | History of computers and areas that computers are used | | |
| 3 | Fundemental terms, concepts and principles of computer use | | |
| 4 | Program, data, programing language, file, folder and drivers | | |
| 5 | Build in computer hardwares | | |
| 6 | External computer hardwares | | |
| 7 | Introduction to softwares and operation systems | | |
| 8 | Mid-term exam | | |
| 9 | Windows 7 operation systems | | |
| 10 | Data protection in computer use | | |
| 11 | Microsoft Word 2010 | | |
| 12 | Microsoft Excel 2010 | | |
| 13 | Microsoft Powerpoint 2010 | | |
| 14 | Photoshop and corel draw,Internet softwares and principles of surfing in the internet | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | At the end of the course the students 1. know basic knowledge on computer hardwares. 2. Use Windows 7 operation systems, MS Word, Excel,Powerpoint, and Paint'i 3. Have ability to surf i |
| C02 | Obtain to launch the research and researcher identification. |
| C03 | Provide to making ability for the scientific paper analysis |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 4 | 56 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| TUR101 | TURKISH LANGUAGE I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | TUR101 | TURKISH LANGUAGE I | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To improve students' love and understanding of mother tongue who are studying in various departments in accordance with the constantly progressing conditions of the age; to emphasize the connection between language and thought; to enlighten individuals who are scientifically productive, creative, able to use their mother tongue accurately and equipped with contemporary knowledge, in language and literature history.
**Teaching Methods and Techniques:**
Presentation, show Brainstorming, Questions and Answers
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Instructor Yasemin KURTLU
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Aksan Doğan, Her Yönüyle Dil, Ana Çizgileriyle Dilbilim 1. TDK Yayınları. 1977,Ergin, Muharrem; Türk Dil Bilgisi, İstanbul, 1962,Mehmet Kaplan:Kült |
| **Documents** | : | |
| **Assignments** | : | 2 |
| **Exams** | : | 2 |

## Course Category

| | | | |
|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : |
| **Engineering** | : | **Science** | : |
| **Engineering Design** | : | **Health** | : |
| **Social Sciences** | : | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Aims and objectives of the course, content, materials and introduction of the semester curriculum. | Course preparation of presentation | Prof. Dr. Şerif Aktaş, Yrd. Doç. Dr. Osma |
| 2 | What is language? What are the features of language? | Course preparation of presentation | Tören,Yükseköğretimde Türk Dili, Filiz K |
| 3 | Theories of the birth of languages and language types. | Course preparation of presentation | Porf. Dr. Zeynep Korkmaz, Prof. Dr. Ahn |
| 4 | Language-culture relation | Course preparation of presentation | Prof. Dr. Coşkun Ak,Türk Dili,Nobel Yayı |
| 5 | World languages and the place of Turkish among them. | Course preparation of presentation | Prof Dr. Muharrem Ergin, Universiteler I |
| 6 | Historic phases of the Turkish Language | Course preparation of presentation | Porf. Dr. Zeynep Korkmaz, Prof. Dr. Ahn |
| 7 | What is grammar? Subjects and chapters of grammar. | Course preparation of presentation | Prof Dr. Muharrem Ergin, Universiteler I |
| 8 | Mid-term exam and course assessment | Preparation of test papers | Prof. Dr. Coşkun Ak,Türk Dili,Nobel Yayı |
| 9 | Classification of sounds in Turkish, sound features of Turkish | Course preparation of presentation | Porf. Dr. Zeynep Korkmaz, Prof. Dr. Ahn |
| 10 | Sound actions, syllable structures and intonation in Turkish | Course preparation of presentation | Prof Dr. Muharrem Ergin, Universiteler I |
| 11 | Inflectional and derivational suffixes in Turkish | Course preparation of presentation | Prof Dr. Muharrem Ergin, Universiteler I |
| 12 | Parts of speech (nouns, adjectives, adverbs, pronouns) | Course preparation of presentation | Prof. Dr. Coşkun Ak,Türk Dili,Nobel Yayı |
| 13 | Parts of speech (verbs, conjunctions, prepositions, exclamations) | Course preparation of presentation | Prof. Dr. Coşkun Ak,Türk Dili,Nobel Yayı |
| 14 | Sentence elements and types | Course preparation of presentation | Prof. Dr. Coşkun Ak,Türk Dili,Nobel Yayı |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Using Turkish accurately and well. |
| C02 | Developing language understanding by pointing out the language culture-society connection |
| C03 | Exampling the current place and condition of the Turkish language among world languages and spread areas. |
| C04 | Application of the features, functions and rules of the Turkish Language with examples. |
| C05 | Using the Turkish versions of the professional and scientific field terms. |
| C06 | Analyzing the Turkish Language |
| C07 | Scientific contribution to the Turkish Language and Literature. |
| C08 | Comparison of the past and the present of the Turkish Language. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 14 | %30 |
| Quizzes | 0 | %0 |
| Assignment | 2 | %20 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %50 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 7 | 2 | 14 |
| Assignments | 2 | 5 | 10 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **67** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 |
|---|---|---|---|---|---|---|---|---|---|---|
| C01 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| C02 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C03 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 |
| C04 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| C05 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C06 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C07 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C08 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET125 | VETERINARY COMMUNITY RELATIONS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET125 | VETERINARY COMMUNITY RELATIONS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To ensure compliance of the students to the profession and to develop communication skills with their professionals and the society by gaining professional rules and moral values.
**Teaching Methods and Techniques:**
Sociology and basic conceptions, Socialization, Medical sociology, Public conception and properties, Animals and human communities ? properties, Individual and public relations, Veterinarian and public relations, The Position of veterinarian in community, General rules of veterinary practice, Relations with clients and public, relations with colleagues, Relations with paramedical and biomedical professions, Veterinary services,
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**
Prof.Dr. Nihat ŞINDAK

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Göksel, F.A. (1989). Medical Sociology Course Notes, Şenel, A. (1995). To Civilized Society from Primitive Society, Fichter, J. (2002). What is the Sc |
| **Resources** | : | Şenel, A. (1995). İlkel Topluluktan Uygar Topluma,Sosyoloji Nedir? (Çev. N. Çelebi) |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Sociology and basic conceptions | Related course work on the subject befcGöksel, F.A. (1989). Medical Sociology C | |
| 2 | Socialization | Related course work on the subject befcOzankaya, O. (1996). Sociology | |
| 3 | Medical sociology | Related course work on the subject befcGöksel, F.A. (1989). Medical Sociology C | |
| 4 | Public conception and properties | Related course work on the subject befcŞenel, A. (1995). To Civilized Society fro | |
| 5 | Animals and human communities ? properties | Related course work on the subject befcTanilli, S. (1994). Reality and Inheritanc | |
| 6 | Individual and public relations | Related course work on the subject befcFichter, J. (2002). What is the Sociology | |
| 7 | Veterinarian and public relations | Related course work on the subject befcTanilli, S. (1994). Reality and Inheritanc | |
| 8 | Term examination | | |
| 9 | The Position of veterinarian in community | Related course work on the subject befcTanilli, S. (1994). Reality and Inheritanc | |
| 10 | The Position of veterinarian in community | Related course work on the subject befcTanilli, S. (1994). Reality and Inheritanc | |
| 11 | General rules of veterinary practice | Related course work on the subject befcGöksel, F.A. (1989). Medical Sociology C | |
| 12 | Relations with clients and public, relations with colleagues | Related course work on the subject befcOzankaya, O. (1996). Sociology | |
| 13 | Relations with paramedical and biomedical professions | Related course work on the subject befcGöksel, F.A. (1989). Medical Sociology C | |
| 14 | Veterinary services | Related course work on the subject befcGöksel, F.A. (1989). Medical Sociology C | |
| 15 | General evaluation | Related course work on the subject befcFichter, J. (2002). What is the Sociology | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Teach communication knowledges. Acquire professional communication abilities. Provide the ability of evaluation of communication isuues. Obtaining the effective communication tools in their profe |
| C02 | Acquire professional communication abilities. |
| C03 | Provide the ability of evaluation of communication isuues. |
| C04 | Obtaining the effective communication tools in their professional lives. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 10 | 10 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 5 | 4 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 5 | 4 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET107 | HISTORY OF VETERINARY MEDICINE AND DEONTOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET107 | HISTORY OF VETERINARY MEDICINE AND DEONTOLOGY | 1 | 1 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Aim: To recognize the students with the historical viewpoints at the professional of veterinary medicine, determine the place of veterinary profession from past to present time to supply their orientation to the profession faculty of veterinary (To orientate the students to the faculty veterinary profession)
**Teaching Methods and Techniques:**
Development of Veterinary medicine from the early age of first domestication of animals until now also the improvement of Veterinary medicine teaching in Turkey in the world were taught.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**
Asist Prof.Dr. Memiş BOLACALI
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 2. Bekman, M. (1940). History of Veterinary Medicine,3. Erk, N. (1978). History of Veterinary Medicine,4. Erk, N., Dinçer, F. (1970). Teaching of Ve |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 70 |
| **Social Sciences** | : | 30 | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The higher educational conception, its institutes academic staff, the historical development of the universities in Turkey in t | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 2 | The place of veterinary medicine in university system other professions | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 3 | The place importance of the history of veterinary medicine in veterinary curriculum relations between veterinary history his | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 4 | The sources of the history of veterinary medicine | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 5 | The paradigms of diseases curative methods through the history | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 6 | The profile of the veterinary medicine from past to the present veterinarians in different civilisations | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 7 | The history of scientific veterinary medicine in Turkey in the world | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 8 | midterm exam | | |
| 9 | The organisation of veterinary medicine in Turkey | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 10 | International organisations veterinary medicine | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 11 | Veterinary medicine human health | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 12 | The pioneers of veterinary medicine in Turkey | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 13 | Deontology within the scope of veterinary medicine (conceptions approaches) | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 14 | Professional deontology - I | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 15 | Professional deontology – II | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Development of Veterinary medicine from the early age of first domestication of animals until now also the improvement of Veterinary medicine teaching in Turkey in the world were taught. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 14 | 1,50 | 21 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 18 | 18 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 35 | 35 |
| **Total Work Load** | | | **89** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 2 | 2 | 5 | 2 | 2 | 2 | 3 | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET111 | VETERINARY TERMINOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET111 | VETERINARY TERMINOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Introducing the veterinary profession, in terms of public health importance
**Teaching Methods and Techniques:**
1. Veterinary professional organizations related to the introduction 2. Rules of social order, the fundamental ethical principles of the profession of veterinary, 3. Duties and responsibilities of veterinarians. 4. Good veterinary practice rules I 5. Good veterinary practice rules II 6. A tour of the work area of Veterinary Medicine 7. Relationship with each other in terms of veterinary medicine courses in the veterinary field preparation 8. Introduction of Veterinary Medicine study area 9. Patient Rights, Patient regulation of the relations with the owner 10. Veterinary Medicine for inclusion in the promotion of tools and equipment, professional discussion of the problems encountered in the implementation 11. The role of veterinarians in the food industry 12. Good veterinary practices in the food industry 13. Good laboratory practice in Veterinary Medicine 14. Veterinary Medicine and Public Health
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**
Prof.Dr. Nihat ŞINDAK

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | İYİ VETERİNER UYGULAMALARI KURALLARI – FVE*(Code of Good Veterinary Practise) Safiye ERGİN KAYA & Zafer KAYA, Ali BİLGİLİ. Bu çeviri / ra |
| **Resources** | : | good veterinary practices |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Veterinary professional organizations related to the introduction | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 2 | Rules of social order, the fundamental ethical principles of the profession of veterinary, | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 3 | Duties and responsibilities of veterinarians. | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 4 | Good veterinary practice rules I | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 5 | Good veterinary practice rules II | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 6 | A tour of the work area of Veterinary Medicine | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 7 | Relationship with each other in terms of veterinary medicine courses in the veterinary field preparation | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 8 | Midterm | | |
| 9 | Introduction of Veterinary Medicine study area | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 10 | Patient Rights, Patient regulation of the relations with the owner | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 11 | Veterinary Medicine for inclusion in the promotion of tools and equipment, professional discussion of the problems encount | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 12 | The role of veterinarians in the food industry | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 13 | Good veterinary practices in the food industry | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 14 | Good laboratory practice in Veterinary Medicine | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |
| 15 | Veterinary Medicine and Public Health. | Related course work on the subject | befcSafiye ERGIN KAYA & Zafer KAYA, Ali BI |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Faculty of Veter structure , responsibilities of veterinarians , food safety and public health roles of veterinarians will be provided to learn. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 13 | 13 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 1 | 3 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 1 | 3 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET123 | HISTOLOGY OF THE BODY'S DEFENSE CELLS FUNCTIONALITY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 1 | VET123 | HISTOLOGY OF THE BODY'S DEFENSE CELLS FUNCTIONALITY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach the functional histology of the immune system cells, tissues, and organs.
**Teaching Methods and Techniques:**
Nucleus, General organization of the immune system organs, Definition of the primary lymphoid organs, Functional histology of the bone marrow, thymus and bursa Fabricii, Definition of the secondary lymphoid organs, and functional histology of the lymph node, Functional histology of the spleen and tonsil, Functional histology of the hemal node and hemal lymph node, General structures of the mucosa associated lymphoid tissues, Immune system cells (neutrophils, eosinophils, monocytes, T- ve B-lymphocytes) Natural er cells, antigen presenting cells and mast cells, Surface molecules and chemical meddiators of the immune functions, Histology of the immune response in lymphoid organs, Interactions of the immune system cells and antigen presenting, Control of the immune system reactions.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nurhayat GÜLMEZ
**Instructors:**
Prof.Dr. Nurhayat GÜLMEZ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Sağlam M, Aştı RN, Özer A. Genel Histoloji. Yorum Matbaacılık, Ankara, 2001,Tanyolaç, A. Özel Histoloji, Ankara, 1999,Tanyolaç, A. Özel Histoloji, A |
| **Resources** | : | Özel Histoloji, Prof. Dr. Atilla TANYOLAÇ, Veteriner Özel Histoloji, Editör Prof. Dr. Aytekin ÖZER |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The cell, cytoplasm and organelles | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 2 | Nucleus | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 3 | General organization of the immune system organs | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 4 | Definition of the primary lymphoid organs | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 5 | Functional histology of the bone marrow, thymus and bursa Fabricii | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 6 | Definition of the secondary lymphoid organs, and functional histology of the lymph node | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 7 | Functional histology of the spleen and tonsil | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 8 | Functional histology of the hemal node and hemal lymph node | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 9 | General structures of the mucosa associated lymphoid tissues | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 10 | Immune system cells (neutrophils, eosinophils, monocytes, T- ve B-lymphocytes) Natural er cells, antigen presenting cells a | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 11 | EXAM | Preparation for the exam and repeat the | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 12 | Surface molecules and chemical meddiators of the immune functions | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 13 | Histology of the immune response in lymphoid organs | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |
| 14 | Interactions of the immune system cells and antigen presenting Control of the immune system reactions. | Research on the lesson | Sağlam, M., Aştı, R.N., Ozer, A. Genel H |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | teach the concept of the cell, cytoplasm and nucleus. teach basic structure of the lymphoid tissue and organs. teach the general functional property of the primary lymphoid organs. teach the gene |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 3 | 42 |
| Assignments | 3 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 2 | 0 | 0 |
| Project | 1 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 2 | 3 | 2 | 1 | 1 | 4 | 1 | 4 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |
| C01 | 5 | 2 | 3 | 2 | 1 | 1 | 4 | 1 | 4 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET104 | ANATOMY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET104 | ANATOMY-II | 7 | 5 | 7 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
1- Digestive system, 2- Urogenital system 3- Endokrine system 4- Circulary system 5- Nervous system 6- Sense organs 7- Integumentum commune The above issues are given theoretical and practical training
**Teaching Methods and Techniques:**
1- Digestive system, 2- Urogenital system 3- Endorine system 4- Circulary system 5- Nervous system 6- Sense organs 7- Integumentum commune
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Fatma İŞBİLİR
**Instructors:**

**Assistants:**

## Recommended Sources

| | | | |
|---|---|---|---|
| **Textbook** | : | 1. | Veteriner Anatomi I (Nejdet Dursun, Ankara, 2008) |
| **Resources** | : | 2. | Veteriner Anatomi II (Nejdet Dursun, Ankara, 2008) |
| **Documents** | : | 3. | Veteriner Anatomi III (Nejdet Dursun, Ankara, 2008) |
| **Assignments** | : | 4. | Veteriner Topografik Anatomi (Nejdet Dursun, Ankara, 2008) |
| **Exams** | : | 5. | Evcil Kuşların Anatomisi (ed. Nejdet Durun Ankara 2004) |
| | | 6. | Embriyoloji (Osman Hassa, Resat Nuri Asti, Ankara 2003) |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : |
| **Social Sciences** | : | | **Field** | : 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Digestive system | | Cavum oris, lips, bucca, teeth, hard and |
| 2 | Salivary glands, pharynx, esophagus, stomach, ruminant stomach, | | Head regions |
| 3 | Neck regions | | Intestines, liver, pankreas, abdominal ca |
| 4 | Urogenital system Urinary organs Male genital organ | | Localization and shape of kidneys, struc |
| 5 | Female genital organs | | -Partes genitalis femininae internae: ova |
| 6 | -Circulatory system Cor | | Cor, pericardium, right and left ventricul |
| 7 | Veins | | Veins, pulmonary veins, veins of heart, |
| 8 | MID EXAM | | |
| 9 | Systema Lymphaticum | | Formation of the lymph fluid, capillary ly |
| 10 | Nervous systemCentral nervous system | | Classification of central nervous system, |
| 11 | Peripheral nervous systemSpinal nerves | | Cervical nerves, brachial plexus, thoraci |
| 12 | Cranial nerves | | Olfactory nerve, optic nerve, oculomotor |
| 13 | Systema nervosum autonomicum | | Sympatic nerves, parasympatic nerves, |
| 14 | Sense organs Eye | | Orbita, palpebra, conjuktiva, gl. lacrimal |
| 15 | Aves anatomy | | The skeletal and muscular systems, Spla |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | - Sciectific thinking and stating it freely, hypothesis creating, cryicising skills |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 7 | 98 |
| Hours for off-the-c.r.stud | 14 | 2,50 | 35 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 32 | 32 |
| **Total Work Load** | | | **180** |
| **ECTS Credit of the Course** | | | **6** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| ATA102 | PRINCIPLES OF ATATÜRK AND TURKISH REVOLUTION HISTORY II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | ATA102 | PRINCIPLES OF ATATÜRK AND TURKISH REVOLUTION HISTORY II | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To criticize the reasons of the Ottoman collapse, Balkan Wars, WWI, dynamics of the National Struggle. To get students to explain well the concepts like revolution and reform. Additionally to summarize political developments in completed phase of Turkish Revolution and establishment process of new state, Ataturk Revoluitons in the political and social fields
**Teaching Methods and Techniques:**
Events, thoughts and principles in the rise and development process of Modern Turkey
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Kemal Atatürk, Nutuk I, II, III, İstanbul, 1967. |
| **Resources** | : | 2. Atatürk İlkeleri ve İnkılap Tarihi I, II, III, |
| **Documents** | : | Yüksek Öğretim Kurulu Başkanlığı Yayınları, Ankara, 1990. |
| **Assignments** | : | 3. Mehmet Alpargu-İsmail Özçelik-Nuri Yavuz, |
| **Exams** | : | Atatürk İlkeleri ve İnkılap Tarihi, Ankara, 2003. |
| | | 4. ?Atatürk? |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | |
| **Social Sciences** | : | 100 | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Abolition of the Sultanate, Lausanne Conference. | | |
| 2 | Lausanne Peace, Opening of the 2nd Grand National Assembly of Turkey | | |
| 3 | Turkish Revolutionary Movements (Political Reforms) | | |
| 4 | First Political Parties of the Republican Period, Izmir Assassination, Menemen Incident | | |
| 5 | Legal Revolution | | |
| 6 | Educational Revolution | | |
| 7 | Cultural Revolution | | |
| 8 | Mid-term Exam | | |
| 9 | Cultural Revolution | | |
| 10 | Regulations in the Economic Field, Studies of Forming the National Economy | | |
| 11 | Foreign Policy of Turkish Republic During Atatürk | | |
| 12 | 1932-1939 Foreign Policy Events, Features of Foreign Policy During Atatürk Period | | |
| 13 | World War II and Turkey, Outcomes of World War II in Terms of Turkey | | |
| 14 | Principles of Ataturk (Republicanism, Nationalism, Populism, Secularism) | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Understands the importance of innovations made by Ataturk. |
| C02 | Adopts the philosophy of the Ataturk's "Peace at home, peace in the world" principle. |
| C03 | Understands the meaning, importance and goals of the Atatürk's principles. |
| C04 | Analyzes the literature on these topics. |
| C05 | Comments on the foreign policy events in the period of Atatürk. |
| C06 | Evaluates the socio-cultural consequences of Atatürk`s principles and reforms. |
| C07 | Evaluates the economic consequences of Atatürk`s principles and reforms. |
| C08 | Analyzes the results of the Second World War. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 8 | 8 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C07 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C08 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET124 | FOOT ANATOMY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET124 | FOOT ANATOMY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Teaching of anatomical structures of the feet of domestic mammals
**Teaching Methods and Techniques:**
Classification of animals according to the location and the location of flooding by pressing the foot shape, the importance of animal statics foot, the foot and leg of the definition of anatomical structures that make up ın animals, the differences foot, domestic mammals leg bones and joints that make up, domestic mammals foot ligament, tendon and related anatomical structures, pets leg bulunantendo memelelilerde vagina and bursae domestic mammals, vessels and nerves of the foot, tab on the properties of equi, equi tab of the live parts, tab of the non-living parts of equi, tab on the properties of ruminant, ruminant tab of the live parts, tab of the non-living parts of ruminant, outpatient surgical practice locations
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. EMİNE ÜMRAN BOZKURT BÜYÜKÇOPUR
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | -Dursun N., Veteriner Anatomi-I, Medisan Yayınevi, Ankara, 1994. |
| **Resources** | : | - Özgüden T., Yıldız B., Veteriner Anatomi, Sinir Sistemi, U.Ü. Vet. Fak. Yayınları, Bursa, 1997. |
| **Documents** | : | Evcil Hayvanların Anatomi Atlası |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Classification of animals according to the location and the location of flooding by pressing the foot shape | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 2 | The importance of animal statics foot, the foot and leg of the definition of anatomical structures that make up | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 3 | In animals, the differences foot | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 4 | Domestic mammals leg bones and joints that make up | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 5 | Domestic mammals foot ligament, tendon and related anatomical structures | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 6 | Pets leg bulunantendo memelelilerde vagina and bursae | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 7 | Domestic mammals, vessels and nerves of the foot | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 8 | Tab on the properties of equi | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 9 | Equi tab of the live parts | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 10 | Tab of the non-living parts of equi | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 11 | Tab on the properties of ruminant | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 12 | Ruminant tab of the live parts | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 13 | Tab of the non-living parts of ruminant | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |
| 14 | Outpatient surgical practice locations | Study on the lesson | Dursun N., Veteriner Anatomi-I, Medisar |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Pets flood mammals animals according to the location of the ground flashes and leg classifies learn the changes occurring in |
| C02 | the front and rear leg of the animal standing in the mechanism that holds the anatomical structures that are effective learns |
| C03 | Learn the differences between animal species-foot |
| C04 | live and dead tissues of ruminant and equine learns tab |
| C05 | make up the foot ligament, bone, cartilage, blood vessels and nerves, and it shows learns |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET126 | PHYSICAL EDUCATION-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET126 | PHYSICAL EDUCATION-II | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
"Physical Education and Sports," the science of physical, mental, social, spiritual and psychological care and business efficiency benefits of a higher quality of life and sustainability, and planned to work with the adoption of regular exercise as a lifestyle.
**Teaching Methods and Techniques:**
Introduction, Aims, and Basic Concepts, Definitions of Physical Education and Sport, Power Generation and Movement, Heart Rate According to Number of Exercise Training Intensity Adjustment, or, The Benefits of Physical Education and Sport, Physical Activity and Risk, High Quality (Health) for Life, "Life Long Sport ", Exercise and Nutrition, Exercise and fluid consumption, exercise prescriptions Use in the Treatment of Diseases, First Aid, First Aid, General Assessment.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Nelson, M. E., Rejeski, W. J., Blair, S. N., Duncan, P. W., Judge, J. O., King, A. C., ... Castaneda-Sceppa, C. (2007). Physical activity and public hea |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | 20 |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 50 |
| **Social Sciences** | : | 30 | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction, Aims and Key Concepts | Course of the study subjects planned to | |
| 2 | Definition of Physical Education and Sports . | Course of the study subjects planned to | |
| 3 | Energy Production and Motion | Course of the study subjects planned to | |
| 4 | According to the Heart Rate , the set of Exercise Training Intensity of | Course of the study subjects planned to | |
| 5 | Benefits of Physical Education and Sports Physical , mental , spiritual, social and psychological | Course of the study subjects planned to | |
| 6 | Benefits of Physical Education and Sports Physical , mental , spiritual, social and psychological | Course of the study subjects planned to | |
| 7 | Physical Activity and Risk | Course of the study subjects planned to | |
| 8 | Quality ( healthy ) for Life , " Lifetime Sports " . | Course of the study subjects planned to | |
| 9 | Exercise and Nutrition | Course of the study subjects planned to | |
| 10 | Exercise and Fluid Consumption | Course of the study subjects planned to | |
| 11 | Using the treatment of diseases of the Exercise Prescription | Course of the study subjects planned to | |
| 12 | first Aid | Course of the study subjects planned to | |
| 13 | first Aid | Course of the study subjects planned to | |
| 14 | Overall Rating | Course of the study subjects planned to | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Graduates will learn the benefits of doing regular sports . |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET102 | BIOSTATISTICS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET102 | BIOSTATISTICS | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
These derste students, together with all the basic topics of applied statistics; basic principles of researches and interpretation of the results obtained are aimed to gain knowledge skills and application skills.
**Teaching Methods and Techniques:**
These derste students, together with all the basic topics of applied statistics; basic principles of researches and interpretation of the results obtained are aimed to gain knowledge skills and application skills.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**
Asist Prof.Dr. Memiş BOLACALI
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Sokal, R. R. and F. J. Rohlf. (1995). Biometry, 3rd edition. W. H. Freeman and Co.: New York. 887 pp. |
| **Resources** | : | 2. Zar, J.H., (1999). Biostatistical Analysis, 4th edition, Prentice Hall Upper Saddle River New |
| **Documents** | : | Özdamar, K. (2001). SPSS ile Biyoistatistik. Eskişehir: Kaan Kitabevi, 343-360. |
| **Assignments** | : | |
| **Exams** | : | 1 Ara sınav, 1 Yarıyıl Sonu Sınavı |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 80 |
| **Social Sciences** | : | | **Field** | : 20 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to Statistics: Definitions and Basic Concepts | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 2 | Summarization and Frequency Distribution Tables | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 3 | Descriptive Statistics: Placement Measurements and Change Measurements | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 4 | Correlation and Regression Analysis | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 5 | Discrete Distributions: Binomial Distribution and Poisson Distribution | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 6 | Normal Distribution and Z Distribution | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 7 | Sampling Distribution and Hypothesis Control | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 8 | Midterm exam | | |
| 9 | t Distribution, Single Sample t and Z Test | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 10 | Two independent means and ratio comparisons | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 11 | Confidence Interval Calculation | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 12 | Comparison of two dependent sample averages (paired t test) | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 13 | Chi-square distribution and properties | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 14 | Chi-square test in one way classification | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 15 | Chi-square test in two-way classification | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Listening and Understanding |
| C02 | Pre-planned special skills |
| C03 | Research, Lifelong Learning, Writing, Reading, Information |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 13 | 2 | 26 |
| Assignments | 2 | 2 | 4 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C01 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C02 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C03 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET108 | BIOCHEMISTRY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET108 | BIOCHEMISTRY-I | 5 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Form the basis of teorical and clinical courses to gain the basic biochemistry informations that are necessary to determine the structure, properties and functions of molecules which play the role on continuity of life
**Teaching Methods and Techniques:**
Biophysical Chemistry, Bioelements, Carbohydrates proteins, lipids, nükleic acid and enzyme subjects information about the fundamental conceps of biochemistry and general laboratory information
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. KIVANÇ İRAK
**Instructors:**
Associate Prof.Dr. Kıvanç İRAKAssociate Prof. Dr. Mahire BAYRAMOĞLU AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M, Başpınar N, Tiftik MA (2000) |
| **Resources** | : | BiOCHEMİSTRY, Konya. |
| **Documents** | : | 2. Ası T. (1996) Tablolarla Biyokimya. Cilt 1ve II. Nobel Tıp Kitabevleri, İstanbul. |
| **Assignments** | : | 3. Karagül H, Altıntaş A, Fidancı UR, Sel T (1999) Temel |
| **Exams** | : | BiOCHEMİSTRY applications, Medisan, Ankara. |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Definition of carbohydrates, classification, monosaccharides and derivatives | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 2 | Disaccharides, polysaccharides and their derivatives | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 3 | Carbohydrate experiments | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 4 | Lipids, definition, classification, fatty acids | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 5 | Sterinler, cholesterol, sphingolipid, phospholipid, terpenes,bile acids | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 6 | Lipid assays, | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 7 | Definition of protein, Classification of the amino acids, reactions | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 8 | Midterm exam | | |
| 9 | Peptide bond, classification of proteins, structure of proteins, individual investigations,hemoglobins, porphyrins | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 10 | Protein experiments | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 11 | Nukleikasitler definition, Reviews of the structure of Dna and Rna | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 12 | Classification of enzymes, the definition, Factors affecting the activity of enzymes | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 13 | Activators and inhibitors, isoenzymes and enzyme assays | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 14 | Vitamins, definition and classification, water dissolving vitamins | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 15 | Fat-soluble vitamins, coenzymes | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Book |
| C02 | Power point notes |
| C03 | Faculty lecture notes |
| C04 | Laboratory lecture notes |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 5 | 22 | 110 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 18 | 18 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **150** |
| **ECTS Credit of the Course** | | | **5** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 4 | 5 | 5 | 3 | 3 | 2 | 2 | 2 | 4 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 5 |
| C01 | 5 | 4 | 4 | 5 | 5 | 3 | 3 | 2 | 2 | 2 | 4 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET134 | ENVIRONMENTAL PROTECTION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET134 | ENVIRONMENTAL PROTECTION | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Understand the technical and legal knowledge required to minimize environmental impacts in construction applications and improve environmental awareness.
**Teaching Methods and Techniques:**
To learn the basic principles and concepts related to environmental protection and to include the relevant legislation.
**Prerequisites:**

**Course Coordinator:**
Prof. TEKİN ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | .Yıldız, Ş.Sipahioğlu, M. Yılmaz Çevre Bilimi ve Eğitimi |
| **Resources** | : | K.Yıldız, Ş.Sipahioğlu, M. Yılmaz Çevre Bilimi ve Eğitimi,MEGEP, Çevre Koruma |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | 10 |
| **Engineering** | : | 20 | **Science** | : | 20 |
| **Engineering Design** | : | | **Health** | : | 30 |
| **Social Sciences** | : | 20 | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic concepts about environment | | |
| 2 | Types of environmental pollution | | |
| 3 | General information about environmental legislation | | |
| 4 | Environmental impacts of construction sector | | |
| 5 | Environmental regulations concerning the construction sector | | |
| 6 | EIA Regulation | | |
| 7 | EIA applications in building control works | | |
| 8 | Midterm | | |
| 9 | Regulations on water pollution | | |
| 10 | Regulations on air pollution | | |
| 11 | Regulation on noise | | |
| 12 | Regulations on solid waste | | |
| 13 | Regulations related to excavation and construction waste | | |
| 14 | Green Buildings | | |
| 15 | Current environmental issues and construction sector | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Have knowledge about basic concepts of environment. |
| C02 | Can predict environmental impacts that may occur in construction works. |
| C03 | To be able to carry out necessary operations to minimize environmental impacts in construction works. |
| C04 | Have knowledge about EIA applications in construction works. |
| C05 | Have knowledge about the relevant regulations. |
| C06 | Have knowledge about environmental legislation related to construction works. |
| C07 | Comprehends the environmental impact assessment process. |
| C08 | Have knowledge about green building. |
| C09 | Comprehend the technical information about the environment. |
| C10 | Have knowledge about environmental legislation. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C02 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C03 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C04 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C05 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C06 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C07 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C08 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C09 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C10 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| DOY102 | DIGITAL LITERACY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | DOY102 | DIGITAL LITERACY | 0 | 2 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The goal of the course is to enable students to recognize the digital technologies, digital contexts and means and use them efficiently. Constructing, editing, sharing, and evalıuating knowledge through using these wherewithals form the topic of this course. At the end of lesson, students will be ablle to have the auıthority of these digital technologies, and have the awareness and cirital thinking abilities.
**Teaching Methods and Techniques:**
Digital technogies
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Instructors:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | -Understanding digital literacies, A practical introduction, Rodney H. Jones, Christoph A. Hafner, Routledge, 2012 |
| **Resources** | : | -Digital literacy: A primer on media, identity and the evolution of technology, Susan Wiesinger, Ralph Beliveau, |
| **Documents** | : | -Digital literacy: A primer on media, identity and the evolution of technology, Susan Wiesinger, Ralph Beliveau, |
| **Assignments** | : | teztbooks, and digital media |
| **Exams** | : | yok<br>vize ve final |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | |
| **Social Sciences** | : | 100 | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | introduction to digital literacy | | |
| 2 | Basic concepts | | |
| 3 | Operating systems | | |
| 4 | Digital tools | | |
| 5 | Digital platforms | | |
| 6 | Example applications | | |
| 7 | Mobile culture | | |
| 8 | Middle Exam | | |
| 9 | Convergence | | |
| 10 | Big Data | | |
| 11 | Open Data | | |
| 12 | Digital democracy | | |
| 13 | Collective intelligence | | |
| 14 | Digital divide | | |
| 15 | Evaluation | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Alanı ile ilgili kavramları ve kavramlar arası ilişkileri kavrar |
| C02 | students can judge the cultural, social, and technologjcal developments based on the communicaiton and new media issues. |
| C04 | Alanı ile ilgili çalışmalarda kullanacağı alet ve ekipmanı tanır, nasıl kullanacağını bilir |
| C11 | İletişim, yeni medya, sanat ve kültür başta olmak üzere alanları ile ilgili her türlü kavramı tanımlayabilecek |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 16 | 1 | 16 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 0 | 0 |
| **Total Work Load** | | | **16** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 |
|---|---|
| All | 1 |
| C01 | 1 |
| C02 | 1 |
| C04 | 1 |
| C11 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET140 | EXOTIC ANIMATED ANIMALS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET140 | EXOTIC ANIMATED ANIMALS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
It gives information about the exotic animal anatomy.
**Teaching Methods and Techniques:**
In the course of exotic animal anatomy, the internal organs of the exotic animals and their relations with the neighborhood are given information to assist in clinical approaches.
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Prof.Dr. Mehmet KILINÇ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | O'Malley B. Clinical Anatomy and Physiology of Exotic Species, Structure and Function of Mammals, Birds, Reptiles, and Amphibians, 1st edn. Elsev |
| **Resources** | : | McLaugghlin C.A.and Chiasson RB; Laboratory Anatomy of the Rabbit. Third Ed., McGraw Hill, New York, 1990 Hebel R and Stromberg MW; Anato |
| **Documents** | : | 1 |
| **Assignments** | : | 0 |
| **Exams** | : | 1 |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 0 | **Education** | : | 0 |
| **Engineering** | : | 0 | **Science** | : | 0 |
| **Engineering Design** | : | 0 | **Health** | : | 0 |
| **Social Sciences** | : | 0 | **Field** | : | 0 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General Anatomy of Reptiles I | | |
| 2 | General Anatomy of Reptiles II | | |
| 3 | General Anatomy of Turtles I | | |
| 4 | General Anatomy of Turtles II | | |
| 5 | General Anatomy of Lizards I | | |
| 6 | General Anatomy of Lizards 2 | | |
| 7 | General Anatomy of Snakes I | | |
| 8 | midterm exams | | |
| 9 | General Anatomy of Snakes II | | |
| 10 | General Anatomy of exotic birds | | |
| 11 | General Anatomy II of exotic birds | | |
| 12 | Exotic birds General Anatomy III | | |
| 13 | General Anatomy of the Rabbit | | |
| 14 | General Anatomy of Rodents | | |
| 15 | Final exams | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | sciectific thinking and stating it freely,hypothesis creating,cryicising skills |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 1 | 1 | 1 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **2** |
| **ECTS Credit of the Course** | | | **0** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET122 | EXENTERATION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET122 | EXENTERATION | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To put out appropriately thoracic and abdominal organs in domestic animals away from body.
**Teaching Methods and Techniques:**
Definition and importance of exenteration,localization of thoracal organs, localization of abdominal organs, opening of thoracal wall and exenteration of lungs, exenteration of heart, opening of abdominal wall, exenteration of stomach, exenteration of liver, exenteration of spleen, exenteration of small intestine, exenteration of large intestine, exenteration of renes, ureters and urinary bladder, exenteration of uterus
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Mustafa Barış AKGÜL
**Instructors:**
Asist Prof.Dr. Mustafa Barış AKGÜL
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | . Getty, R. (1975). Sisson and Grassmans the Anatomy of the Domestic Animals, vol. 1, 2, 5th ed., W. B. Saunders Co., Philadelphia. 2. Dursun, N. |
| **Resources** | : | veteriner anatomi II |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Definition and importance of exenteration | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 2 | Localization of thoracal organs | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 3 | Localization of abdominal organs | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 4 | Opening of thoracal wall and exenteration of lungs | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 5 | Exenteration of heart | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 6 | Opening of abdominal wall | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 7 | Exenteration of stomach | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 8 | Exenteration of liver | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 9 | Exenteration of spleen | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 10 | Exenteration of small intestine | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 11 | VISA | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 12 | Exenteration of large intestine | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 13 | Exenteration of renes, ureters and urinary bladder | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |
| 14 | Exenteration of uterus | Course of the study subjects planned to | 1. Getty, R. (1975). Sisson and Grassma |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | 1.To able adopt anatomical knowledge to clinical and surgical applications. |
| C02 | 2. To able to realise professional and ethical responsibilities. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 8 | 8 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET110 | PHYSIOLOGY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET110 | PHYSIOLOGY-I | 5 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Physiological concepts and cell physiology. Body fluids and buffer systems. Blood physiology. Nerve and muscle physiology
**Teaching Methods and Techniques:**
Cell and General physiology, blood, nervous system physiology, muscle physiology, sensory physiology, body temperature and thermoregulation are given basic information on renal physiology.
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Instructors:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | GUYTON PHYSİOOGY,PHYSİOLOGY OF SMALL AND LARGE ANİMALS,MEDİCAL PHYSİOLOGY |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | ara sınav,yıl sonu sınavı |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 40 |
| **Social Sciences** | : | | **Field** | : 60 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | introduction to physiology | | |
| 2 | the cell physiology | | |
| 3 | regulation of body fluids | | |
| 4 | hematology | | |
| 5 | hematology | | |
| 6 | hematology | | |
| 7 | the circulatory systeem | | |
| 8 | Midterm | | |
| 9 | the circulatory system | | |
| 10 | The Nervous System | | |
| 11 | The Nervous System | | |
| 12 | The Nervous System | | |
| 13 | Muscle physiology | | |
| 14 | Muscle physiology | | |
| 15 | Muscle physiology | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | general physiolgycal concepts |
| C02 | cell orgaels and physiology |
| C03 | body fluids |
| C04 | buffer systems and their working process |
| C05 | general blood physiology |
| C06 | red blood cells and their role |
| C07 | white blood cells and ther role |
| C09 | nerveous physiology |
| C10 | muscle physiology |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 5 | 70 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 2 | 2 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 2 | 2 |
| **Total Work Load** | | | **144** |
| **ECTS Credit of the Course** | | | **5** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C01 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C02 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C03 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C04 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C05 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C06 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C07 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C09 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |
| C10 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET128 | VISUAL ARTS TEACHING-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET128 | VISUAL ARTS TEACHING-II | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Students develop their understanding of art and art overview
**Teaching Methods and Techniques:**
Lectures and practice. Why are we doing pictures. The materials used in the picture. Study points. Line Study. Tissue work. Lavin work. Color Pass and Color Wheel. Drawing design work. Perspective work. Perspective work
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Lecture notes, published several books on Art and Photos |
| **Resources** | : | Resim -I- (Dr.Mümtaz Işıngör,Prof.Dr.Erol Eti,Prof.Dr.Mustafa Aslıer)Temel Sanat Eğitimi (Nevide Gökaydın)Temel Sanat Eğitimi (Oya Abacı),Temel |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | 20 |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | 20 | **Health** | : | |
| **Social Sciences** | : | | **Field** | : | 60 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | What is art? Artist görevleri.sanat effects on society. | | Art and books published over the picture |
| 2 | Why are we doing photos? | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 3 | The materials used in the picture | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 4 | Study Destinations | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 5 | Line Work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 6 | Texture work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 7 | Texture work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 8 | Lavin study | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 9 | Crossing Circle of Color and Color | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 10 | Crossing Circle of Color and Color | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 11 | Drawing pattern work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 12 | Drawing pattern work | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 13 | Perspective studies | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |
| 14 | Perspective studies | | Picture -I- (Dr.Mümtaz Işıngör,Prof.Dr.E |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | From classical to contemporary drawing and painting materials to define. |
| C02 | The use of materials and techniques to distinguish the differences. |
| C03 | Fix materials and techniques appropriate to the purpose to know the material. |
| C04 | In visual contrast and balance in the composition of the principles will recognize the relationship. |
| C05 | Develop an idea conceptually appropriate materials, techniques and pictorial language to express the artistic sense. |
| C06 | Photos and understanding of the importance of the artist. |
| C07 | Brushes, water-based paints and oil-based paints stronger technical skills which will show dominance. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 11 | 11 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 21 | 21 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 4 | 4 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 4 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 4 | 4 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C07 | 4 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET 106 | HISTOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET 106 | HISTOLOGY | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Brain, Cerebellum, Spinal Cord, Ganglia, Heart, Blood Vessels, Genaral Structure and Organs of the Digestive System(The Oral Cavity, Esophagus, Stomach, Small Intestine, Large Intestine), Organs of the Respiratory System (Pulmones, Trachea), Kidneys, The Male Reproductive System, The Female Reproductive System, Hypophysis, Adrenal Gland, Epidermis, Dermis, Eye and Ear.
**Teaching Methods and Techniques:**
Sytems and tissue histologia
**Prerequisites:**

**Course Coordinator:**
Bölüm Başkanı Prof.Dr Nurhayat Gülmez
**Instructors:**
Bölüm Başkanı Prof.Dr. Nurhayat Gülmez
**Assistants:**
Asist Prof.Dr. Günsel KirmanResearch Assist. Merve Pekince

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Özel Histoloji, Attila TANYOLAÇ, Veteriner Özel Histoloji, Aytekin Özer |
| **Resources** | : | Dellman's Texbook of Veterinary Histology |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 50 |
| **Social Sciences** | : | **Field** | : | 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Nervous system (Central nervous system) | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 2 | Nervous system (Peripheral nervous system) | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 3 | Circulator system | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 4 | Primary and secondary lymphoid tissues | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 5 | Digestive system (cavum oris, bucca, labies, osephagus) | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 6 | Digestive system II(gastrointestinal system) | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 7 | Digestive system (Digestive glands) | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 8 | Week of exams | Preparation for the exam and repeat the | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 9 | Respiratory system | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 10 | Urinary system | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 11 | Reproductive system | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 12 | Endocrine system | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 13 | Integument | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 14 | Sensory systems | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |
| 15 | Sensory systems | Course of the study subjects planned to | 1. Ozer, A., Girgin, A., Alabay B., Liman, |

## Recommended Optional Programme Components

VET525 ANATOMY
VET527 BIOCHEMISTRY
VET529 PHYSIOLOGY

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Histolojinin temel kavram ve terimlerini öğrenir |
| C02 | Işık mikroskobu kullanabilir |
| C03 | Işık mikroskobunda sağlıklı bir dokunun hücresel özelliklerini tanımlayabilir |
| C04 | Farklı boyama tekniklerini ayırt eder |
| C05 | Farklı dokuları ve organları ayırt eder |
| C06 | Organları sistematik olarak tanımlar |
| C07 | İmmunoloji dersi için temel bilgiler kazanır |
| C08 | Patoloji dersleri için temel bilgiler kazanır |
| C09 | Makro ve mikroanatomik değerlendirmeler yapabilir |
| C10 | Histofizyolojik değerlendirmeler yapabilir |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |

| | |
|---|---|
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 12 | 3 | 36 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 7 | 7 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C07 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C08 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C09 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C10 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET138 | FIRST AID | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET138 | FIRST AID | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Basic principles of first aid, basic life support, first aid in injuries, first aid in fractures, dislocations and sprains, first aid in other emergency situations and qualifications related to transportation.
**Teaching Methods and Techniques:**
Basic principles of first aid, basic life support, first aid in injuries, first aid in fractures, dislocations and sprains, first aid in other emergencies and transportation.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİNŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | "BASIC FIRST AID PRACTICES TRAINING BOOK", H. Fazıl İNAN, Zülfinaz KURT, İlknur KUBİLAY,ANKARA 2011 |
| **Resources** | : | "BASIC FIRST AID PRACTICES TRAINING BOOK", H. Fazıl İNAN, Zülfinaz KURT, İlknur KUBİLAY,ANKARA 2011 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic applications of first aid | | |
| 2 | First and second evaluation | | |
| 3 | Basic life support in adults | | |
| 4 | Basic life support in children and infants | | |
| 5 | First aid in respiratory tract obstruction | | |
| 6 | External and internal bleeding | | |
| 7 | Wound and wound types | | |
| 8 | Midterm | | |
| 9 | First aid in fractures, dislocations and sprains of upper extremity | | |
| 10 | First aid in regional injuries, head and spinal fractures | | |
| 11 | First aid in fractures, dislocations and sprains of hip and lower extremities | | |
| 12 | First aid in diseases requiring urgent care | | |
| 13 | Poisoning, heat stroke, burns and freezing | | |
| 14 | Emergency transport techniques Fast transport techniques in short distance | | |
| 15 | First aid for drowning | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Apply the basic principles of first aid. |
| C02 | Can provide basic life support. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 9 | 9 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C01 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C02 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| ING102 | ENGLISH-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | ING102 | ENGLISH-II | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
is to develop skills of students on discussing elementary-level stories, expressing experiences and the news in the written and verbal form.
**Teaching Methods and Techniques:**
Types of films and music, negative and question forms of Past Simple Tense, definite and indefinite articles, holiday activities, adjectives, describing places, comparatives, Present Continuous Tense, adverbs, illnesses, seasons, weather conditions, Future Tense, future plans and arrangements, verb patterns, some modal auxiliary verbs, big and small numbers, superlatives, Present Perfect Tense, experiences, phone conversations.
**Prerequisites:**

**Course Coordinator:**
Instructor Halil ÖZDEMİR
**Instructors:**
Instructor Halil ÖZDEMİR
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Redston, C. 2006; Face to Face Elementary Coursebook, Cambridge University Press, Great Britain |
| **Resources** | : | Redston, C. 2006; Face to Face Elementary Workbook, Cambridge University Press, Great Britain. |
| **Documents** | : | Murphy, R. 2006; Essential Grammar in Use (Elementary), Cambridge University Press, Great Britain. |
| **Assignments** | : | Distance Learning Notes |
| **Exams** | : | Sunum ve Videolar<br>- |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | 20 |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | |
| **Social Sciences** | : | 30 | **Field** | : | 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Makes comparisons between places. Types of Films and Music, Negative and Question Forms of Past Simple Tense | | |
| 2 | News and Life Stories | | |
| 3 | Definite and Indefinite Articles, Holiday Activities | | |
| 4 | Adjectives, Describing Places, Comparatives | | |
| 5 | Present Continuous Tense, Travel | | |
| 6 | Indoor And Outdoor Activities, Adverbs | | |
| 7 | Health, Personal Appearance and Characteristics | | |
| 8 | Mid-term Exam | | |
| 9 | Illnesses, Seasons, Weather Conditions | | |
| 10 | Future Tense, Future Plans and Arrangements | | |
| 11 | Directions, Verb Patterns, Some Modal Auxiliary Verbs | | |
| 12 | Big And Small Numbers, Superlatives | | |
| 13 | Present Perfect Tense, Experiences, Airport Language | | |
| 14 | Phone Conversations | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Expresses his/her preferences and thoughts about types of films and music. |
| C02 | Understands the written and visual materials about several events and news and answers the related questions. |
| C03 | Discusses on holidays and free time activities. |
| C04 | Describes various places, and makes comparisons between people items in different aspects. |
| C05 | Uses expressions in Simple Present Tense. |
| C06 | Exchanges ideas on different activities, personal character and appearance. |
| C07 | Makes conversations regarding seasons, weather conditions and illnesses. |
| C08 | Makes comparisons between places. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C07 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C08 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET132 | POULTRY ANATOMİSİ | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET132 | POULTRY ANATOMİSİ | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Teaching comparatively normal form, structure, natural position, connections of other organs of internal organs of poultry and basic anatomical characteristics of poultry
**Teaching Methods and Techniques:**
Normal form, structure, natural position, connections of other organs of internal organs of poultry and basic anatomic characteristics of poultry
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Prof.Dr. Mehmet KILINÇ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Dursun, N. (2008). Evcil Kuşların Anatomisi, Medisan Yayınevi, Ankara |
| **Resources** | : | Nickel, R., Schummer , A. (1977). , Anatomy of Domestic Birds, Verlag Paul Parey, Berlin-Hamburg |
| **Documents** | : | kitap |
| **Assignments** | : | |
| **Exams** | : | yazılı |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 0 | **Education** | : | 0 |
| **Engineering** | : | 0 | **Science** | : | 0 |
| **Engineering Design** | : | 0 | **Health** | : | 0 |
| **Social Sciences** | : | 0 | **Field** | : | 0 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Locomotive system | | |
| 2 | locomotive system | | |
| 3 | Digestive system | | |
| 4 | Digestive system | | |
| 5 | Respiratory system | | |
| 6 | Respiratoru system | | |
| 7 | Urogenital and endocrine system | | |
| 8 | Urogenital and endocrine systemCardiovasculare system | | |
| 9 | Midterm exams | | |
| 10 | Cardiovasculare system | | |
| 11 | Nervous system | | |
| 12 | Nervous system | | |
| 13 | Sensory Organs | | |
| 14 | Sensory organs | | |
| 15 | Skin and epidermoidal structures | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | scietific thinking and stating it freely,hypotesis creating,cryicising skills |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 1 | 1 | 1 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 1 | 1 | 1 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **2** |
| **ECTS Credit of the Course** | | | **0** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET136 | PROFESSIONAL ENGLISH-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET136 | PROFESSIONAL ENGLISH-II | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach students the English and Turkish equivalents of general terminology in related fields.
**Teaching Methods and Techniques:**
Medical English text and Turkish translation. The aim of this course is to teach the students the English and Turkish equivalents of general terminology in related fields and to give them the ability to understand the parts of the profession.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. AYFER FINDIK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 100 |
| **Social Sciences** | : | | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medical English text and translation | topics to be selected for professional de | Medical Passages & Vocabulary for ÜDS |
| 2 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 3 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 4 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 5 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 6 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 7 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 8 | midterm exam | Course of the study subjects planned to | Medical Passages & Vocabulary for ÜDS |
| 9 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 10 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 11 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 12 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 13 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 14 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |
| 15 | Medikal English text and Turkish translation | preparing the subjects for the professior | Medical Passages & Vocabulary for ÜDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learn the English terminology that can be encountered throughout his career. |
| C02 | To gain the ability to understand simple and medium medical articles. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET130 | MUSIC-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | VET130 | MUSIC-II | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To understand the contents of the basic concepts of music and music-related education to have knowledge.
**Teaching Methods and Techniques:**
Basic music knowledge, music note knowledge, space knowlege in music notes, rhythm in musicı, making song repertoryı; sorts of music in Turkey and world; traditional music and modern music, teaching enstruments, playing enstrument and singing together, role of music in education, developing creativty in music
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Instructor Halil KILIÇVURAN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1-Yurga,c.(2004)20.century popular Music in turkey |
| **Resources** | : | 2-SUN M.(1998) Fundamentals of Music education with songs Türkülerle |
| **Documents** | : | Online course content and Ahmet Say's Müzik Tarihi |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | |
|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : |
| **Engineering** | : | **Science** | : |
| **Engineering Design** | : | **Health** | : |
| **Social Sciences** | : | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | One octave voices and teaching voices with flute | | Textbook |
| 2 | Teaching C,D,E voices with flute and exercises | | Textbook |
| 3 | Teaching F,G,A,B voices with flute and exercises | | Textbook |
| 4 | Teaching cild songs in C,D,E voice space | | Textbook |
| 5 | Teaching child songs in F,G,A,B voice space | | Textbook |
| 6 | Fonomimi exercises | | Textbook |
| 7 | Mid-Term Exam | | |
| 8 | Teaching Çarşıya vardım,çiftlik songs with flute | | Textbook |
| 9 | Teaching basic traditional child songs bona and flüt exercises | | Textbook,sourcebooks |
| 10 | Teaching" subat,mevsimler" songs with flute | | Source books |
| 11 | Teaching Kış,Okul songs with flüt | | Textbook |
| 12 | Teaching Anneciğim and Hayvanlar songs with flut | | Textbook,sourcebook |
| 13 | Teaching Bayrağım and Bilmem şu feleğin songs with flute | | Source books |
| 14 | The teaching of national anthem | | Textbook |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Perform the blokflüt exercises |
| C02 | Perfom the fonomimi exercises |
| C03 | Play sogns with an musical instruments |
| C04 | Read notes of child's sings |
| C05 | Teach of child's sings |
| C06 | Prepeare a child chorus |
| C07 | Use child's sings at enother lessons |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 25 | 3 | 75 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 0 | 0 |
| Practice | 1 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **117** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C01 | 1 | 3 | 3 | 2 | 3 | 5 | 3 | 4 | 3 | 5 | 5 | 5 |
| C02 | 3 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 5 | 5 | 5 |
| C03 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 5 |
| C04 | 3 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 5 |
| C05 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 |
| C06 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 |
| C07 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| TUR102 | TURKISH LANGUAGE II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 2 | TUR102 | TURKISH LANGUAGE II | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The subject of the course is to expose the value of Turkish language by giving information about development of Turkish language, to gain national language awareness, to develop reading and writing skills, to compare and contrast Turkish language to other languages, to compare and contrast language policy of developed countries to Turkish language policy, to gain skill of speaking.
**Teaching Methods and Techniques:**
Description and features of language, languages of the world, Position of Turkish among other languages, historical development of Turkish, development of western Turkish, Atatürk's ideas and projects on Turkish, pronunciation and punctuation, language policies.
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Instructor Enser YILMAZ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Tuncer Gülensoy, Türkçe El Kitabı, Akçağ Yayınları, Ankara 2000 Zeynep Korkmaz vd. Türk Dili ve Kompozisyon Bilgileri, YÖK, Ankara 2000. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | |
| **Social Sciences** | : | 30 | **Field** | : | 70 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Aims and objectives of the course, content, materials and introduction of the semester curriculum. | | |
| 2 | Spelling and application | | |
| 3 | Punctuation and application | | |
| 4 | What is expression? Feature of expression | | |
| 5 | Types, formats and application of expression | | |
| 6 | Common mistakes in Turkish expression and correction | | |
| 7 | General information on composition | | |
| 8 | General information on composition | | |
| 9 | Plan for writing composition and its application | | |
| 10 | Written composition types (Emotion-oriented writings, event-oriented writings | | |
| 11 | Written composition types (Thought-oriented writings, analysis writings and other writing types) | | |
| 12 | Oral composition types (Discussion-oriented oral composition types) | | |
| 13 | Oral composition types (Interview-oriented oral composition types) | | |
| 14 | Developing accurate and good speaking skills and related applications by means of selected texts from Turkish and world li | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Oral and written expression of emotions, thoughts, knowledge and experiences. |
| C02 | Using the Turkish versions of the professional and scientific field terms. |
| C03 | Improving the vocabulary |
| C04 | Applying writing styles |
| C05 | Application of oral and written texts |
| C06 | Reading and comprehending Turkish science, art and culture publications |
| C07 | Comparing selected texts from Turkish and world literature and history of thought. |
| C08 | Producing Turkish texts in science, art and culture |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 1 | 2 | 2 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P07 | P08 | P09 | P10 | P11 | P12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C01 | 3 | 4 | 5 | 3 | 4 | 5 | 3 | 4 | 5 | 3 | 4 |
| C02 | 3 | 5 | 4 | 5 | 3 | 4 | 3 | 4 | 3 | 5 | 4 |
| C03 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 5 | 3 | 4 | 3 |
| C04 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 5 |
| C05 | 5 | 4 | 5 | 3 | 5 | 4 | 5 | 3 | 5 | 3 | 4 |
| C06 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 |
| C07 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 5 | 4 | 3 | 4 |
| C08 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET233 | BEE KEEPING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET233 | BEE KEEPING | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
GIVING INFORMATION ABOUT VETERINARY MEDICINE STUDENTS BEES AND BEE BREEDING CONSTITUTE THIS COURSE.
**Teaching Methods and Techniques:**
bees and bee breeding
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. BURÇAK ASLAN ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | İNAL, Ş., GÜÇLÜ, F. 1998 Arı Yetiştiriciliği ve Hastalıkları. Selçuk Üniversitesi Veteriner Fakültesi Yayın Ünitesi, KONYA |
| **Resources** | : | understandable beekeeping, Ali KORKMAZ, PhD |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | HISTORY | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 2 | THE IMPORTANCE OF BEES | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 3 | MATERIALS OF BEE KEEPING | Course of the study subjects planned to | INAL , S., GUÇLU , F. 1998 BEE CULTUR |
| 4 | BEE SPECIES AND BREEDS | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 5 | BEE BIOLOGY | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 6 | BEE BREEDING TECHNIQUES | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 7 | BEE BREEDING TECHNIQUES | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 8 | BEE BREEDING TECHNIQUES | Course of the study subjects planned to | INAL , S., GUÇLU , F. 1998 BEE CULTUR |
| 9 | BEE BREEDING TECHNIQUES | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 10 | VISA EXAM | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 11 | BEE BREEDING TECHNIQUES | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 12 | COMMUNICATION | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 13 | LOCATE | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |
| 14 | BEE BREEDING TECHNIQUES | Course of the study subjects planned to | INAL, Ş., GUÇLU, F. 1998 ARI YETIŞTIR |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Have knowledge about bees and bee breeding |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 4 | 1 | 4 | 2 | 3 | 5 | 4 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 |
| C01 | 5 | 4 | 4 | 1 | 4 | 2 | 3 | 5 | 4 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET207 | BIOCHEMISTRY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET207 | BIOCHEMISTRY-II | 5 | 4 | 5 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The aim of this course is to teach the structure, classification and functions of carbohydrates.
**Teaching Methods and Techniques:**
Structure and classification of carbohydrates, monosaccharides, stereochemistry, functions of carbohydrates, oligosaccharides, polysaccharides
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. Kıvanç İRAK
**Instructors:**
Associate Prof.Dr. Kıvanç İRAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Kalaycıoğlu L, Serpek B, Nizamlıoğlu M, Başpınar N, Tiftik MA (2000), Biyokimya, Konya. |
| **Resources** | : | 2. Ası T. (1996) Tablolarla Biyokimya. Cilt 1ve II. Nobel Tıp Kitabevleri, İstanbul. |
| **Documents** | : | 3. Karagül H, Altıntaş A, Fidancı UR, Sel T (1999) Temel Biyokimya Uygulamaları, Medisan, Ankara. |
| **Assignments** | : | 1. Lehninger AL, Nelson DI, Cox MM (1993) Principles of Biochemistry, second Edition, United States of America. 2. McKee T, McKee JR (2003) Bioc |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Coenzymes (Metabolyte coenzymes, coenzymes that source from vitamins) | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 2 | Coenzymes (Lipoic acid, ubiquinone, prostetic groups obtained from modified aminoacid moities, group transfer proteins as | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 3 | Vitamins (Definition and importance of vitamins,Classification of vitamins, Fat soluble vitamins (Vitamin A,Vitamin D, Tocop | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 4 | Vitamins (water soluble vitamins) B group vitamins, Vitamin C, Vitamin like substances (Miyoinositol, Carnitine (Vitamin T) | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 5 | Hormones (Synthesis and general properties of hormones, transport in blood of hormones, Feed-back mechanism of hormo | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 6 | Hormones (Hormones of hypothalamic, Hormones of hypophysis, Hormones of thyroid and parathyroid glands, Adrenocorti | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 7 | Carbohydrate Metabolism TCA Cycle | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 8 | MID EXAM | | |
| 9 | oxidative phosphorylation | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 10 | Protein Metabolism (Digestion of protein, absorption of peptides and amino acids, amino acid metabolism, transamination, | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 11 | Protein Metabolism (catabolism of carbon skeletons of amino acids, Nitrogen metabolism, Urea Biosynthesis, protein synth | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 12 | Nucleic Acids Metabolism | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 13 | Lipid Metabolism Absorption of lipids, Blood lipids and lipidemia, Metabolic pathways of lipids in liver, Fatty acids metabolisı | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 14 | Lipid Metabolism Eicosanoids, Triacylglycerol ve neutral lipids, Lipoproteins, Synthesis of asidic phospholipids, Synthesis of | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 15 | Biochemical functions of organe and tissues Cell and infracture members of cell, blood, kidneys and urine, Connective tissu | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns the coenzymes and vitamins |
| C02 | Learns the hormones |
| C03 | Learns the basic features of metabolism and metabolic products |
| C04 | This topic makes laboratory practices recognizes the chemical reaction of these molecules and learn to interpret the results. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 6 | 5 | 30 |
| Presentation | 1 | 5 | 5 |
| Mid-terms | 1 | 30 | 30 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 40 | 40 |
| **Total Work Load** | | | **147** |
| **ECTS Credit of the Course** | | | **5** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 5 | 4 | 5 | 3 | 4 | 5 | 3 | 3 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| C01 | 5 | 4 | 5 | 5 | 4 | 5 | 3 | 4 | 5 | 3 | 3 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET237 | EXPERIMENTAL ANIMALS AND USAGE | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET237 | EXPERIMENTAL ANIMALS AND USAGE | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of the course is to give information about laboratory animal breeding
**Teaching Methods and Techniques:**
Selection of suitable species in experiments Bioethics and 3R rule Standardization in trials Microbiological standardization Genetic standardization Planning and establishment of experimental animal units. Anatomy, histology, physiology, maintenance and nutrition of rats, rats, rabbits and guinea pigs
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Zelal KARAKOÇ
**Instructors:**
Asist Prof.Dr. Zelal KARAKOÇ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Homework Presentation (Including Preparatory Period) Activity (Internet Browsing, Library Study, Travel, Observation, Interview, etc.) |
| **Resources** | : | Dyce, K.M., Sack, W.O., Wensing, C.J.G., 1987. Textbook of Veterinary Anatomy, W.B. Saunders Company, Philadelphia,The Anatomy of the Dome |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 60 |
| **Social Sciences** | : | | **Field** | : 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | selection of suitable species in experiments | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 2 | Biyoetik ve 3R kuralı | Öğrenilmesi planlanan konuya ait ders ç | Homework Presentation (Including Prep |
| 3 | Denemelerde standartlaştırma | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 4 | Mikrobiyolojik yönden standartlaştırma | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 5 | Genetik yönden standartlaşma | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 6 | Deney hayvanı ünitelerinin planlanması ve kurulması | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 7 | Week of exams | test preparation and repetition | Homework Presentation (Including Prep |
| 8 | Fare anatomisi, histolojisi ve fizyolojisi | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 9 | Fare yetiştiriciliği, bakımı ve sürü yönetimi | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 10 | Rat anatomisi, histolojisi ve fizyolojsi | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 11 | Rat yetiştiriciliği, bakımı ve sürü yönetimi | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 12 | Kobay anatomisi, histolojisi, fizyolojisi | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 13 | Kobay yetiştiriciliği, bakımı ve sürü yönetimi | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 14 | Tavşan anatomisi, histolojisi, fizyolojisi, yetiştiriciliği, bakımı ve sürü yönetimi | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 15 | Diğer deney hayvanlarının yetiştiriciliği, bakımı ve sürü yönetimi | Course of the study subjects planned to | Homework Presentation (Including Prep |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns the importance of laboratory animal breeding, the use of experimental animals within the framework of bioethical rules |
| C02 | Learns the factors that affect laboratory animal breeding and hosting conditions |
| C03 | Learns subjects with mouse breeding |
| C04 | Learns subjects with rat breeding |
| C05 | Learns subjects with rabbit breeding |
| C06 | Learns subjects with guinea pig breeding |
| C07 | Learn to be aware of the use of experimental animals |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 14 | 14 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **56** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C01 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 5 |
| C02 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| C03 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| C04 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 |
| C05 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 |
| C06 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 |
| C07 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET239 | EXOTIC ANIMAL CARE AND NUTRITION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET239 | EXOTIC ANIMAL CARE AND NUTRITION | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The general aim of this course is to provide the students with the knowledge and skills necessary for the care and feeding of budgeted birds, Canary and parrots.
**Teaching Methods and Techniques:**
Information about the feeding of exotic birds and feed ingredients used, basic principles about the feeding of parakeets, Canaries and parrots
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. Tuncay TUFAN
**Instructors:**
Asist Prof.Dr. Cahit ÖZCANAssociate Prof.Dr. Tuncay TUFAN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Ergün A, Çolpan İ, Yıldız G, Küçükersan S, Tuncer ŞD, Yalçın S, et al. Hayvan Besleme ve Beslenme Hastalıkları. Ankara: Baskı Pozitif Yayınları; 201 |
| **Resources** | : | Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yalçın, S., Yıdız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2006), Hayvan Besleme ve Beslanme Hastalıla |
| **Documents** | : | Hayvan Besleme ve Beslenme Hastalıkları |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Egzotik Hayvanlar | | Hayvan Besleme ve Beslenme Hastalıkla |
| 2 | Egzotik kuşların bakım ve beslenmesi | | |
| 3 | Egzotik kuşların bakım ve beslenmesi | | |
| 4 | Egzotik kuşlarda besin madde ihtiyacı | | |
| 5 | Tane yem ile beslenen egzotik kuşlar | | |
| 6 | Yumuşak yem ile beslenen egzotik kuşlar | | |
| 8 | Ara Sınav | | |
| 9 | Egzotik kuşlarda tüy dökümü | | |
| 10 | Egzotik kuşlarda beslenme hastalıkları | | |
| 11 | Muhabbet kuşlarında beslenme hastalıkları | | |
| 12 | Kanarya kuşlarında beslenme hastalıkları | | |
| 13 | Papağanlarda beslenme hastalıkları | | |
| 14 | Papağanlarda beslenme hastalıkları | | |
| 15 | Final sınavı | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Evaluates the knowledge about budgerigar, canaries and parrots in a scientific manner |
| C02 | Learns the selection and use of feeds that can be used in feeding the exotic birds |
| C03 | Students will be able to use the knowledge and skills they obtain in field conditions and use them within the scope of developing technology. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 1 | 6 | 6 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 8 | 8 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 16 | 16 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET201 | EMBRYOLOHY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET201 | EMBRYOLOHY | 1 | 1 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Learning of embryonic development in mammalian and poultry species
**Teaching Methods and Techniques:**
Description of embryology, spermatositogenesis, oogenesis, fertilization and divisions, developments from zygote in amphioxus, poultry and mammalians. Developments of embryonic sheets called as endoderm, ectoderm and mesoderm, and organs systems arised from those in mammalians and poultry.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nurhayat Gülmez
**Instructors:**
Prof.Dr. Nurhayat Gülmez
**Assistants:**
Asist Prof.Dr. Günsel KirmanResearch Assist. Merve Pekince

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Editör: Özer A,Yazarlar: Yakışık M, Özfiliz N, Erdost H, Zık B.Veteriner Embriyoloji (genişletilmiş ikinci baskı) U. Ü. Vet. Fak. Yayın No:2005-2, Bur |
| **Resources** | : | Veterinary Embryology, T.A. McGeady |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 50 |
| **Social Sciences** | : | | **Field** | : 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 2 | Gamet cells | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 3 | Genital cycle | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 4 | Development of three germ layers in different species | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 5 | Implantation and placenta | Course of the study subjects planned tc | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 6 | Twins and ectopic pregnancy | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 7 | Embryonic development of nervous system | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 8 | Midterm examination | | |
| 9 | Embryonic development of skin and epidermal structures | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 10 | Embryonic development of sensory organs and oral cavity | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 11 | Embryonic development of digestive tract | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 12 | Embryonic development of respiratory system | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 13 | Embryonic development of circulatory system | Course of the study subjects planned tc | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 14 | Embryonic development of urogenital | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 15 | Embryonic development of gonads | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |

## Recommended Optional Programme Components

VET525 ANATOMY
VET527 BIOCHEMISTRY
VET529 PHYSIOLOGY
VET531 HISTOLOGY AND EMBRYOLOGY
VET537 GENETIC

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Memeli hayvanlarda ve kanatlılarda genital sistem, hakkında ön bilgiye sahip olur, gametogenezis ve germ hücrelerinin oluşumunu öğrenir. |
| C02 | Çeşitli hayvan türlerinde yumurta tipi ve bölünme şeerini bilir |
| C03 | Döllenme ve implantasyonu öğrenir. |
| C04 | Plasentasyon ve evcil memelilerde plasenta tiplerini bilir. |
| C05 | Doğmasal ya da çevre etkili malformasyonların nedenleri hakkında yorum yapabilmek veya teşhis koyabilmek için temel bilgiler kazanır. |
| C06 | Göbek kordonu ve ekstraembriyonal keseleri öğrenir. |
| C07 | Tüm organ ve sistemlerin gelişimini bilir. |
| C08 | Doğum ve jinekoloji, suni tohumlama derslerinin temelini oluşturan bilgileri kazanır. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 12 | 2 | 24 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 4 | 4 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C01 | 5 | 4 | 4 | 4 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 4 | 4 | 5 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 5 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C07 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C08 | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET209 | PHYSIOLOGY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET209 | PHYSIOLOGY-II | 5 | 4 | 5 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
With the general rules of nutrition physiology in different animal gastro-intestinal function, learning digestion respiratory, excretory, and reproductive organs to learn the tasks and neural control. Understanding the structure and function of the cardiovascular system. Understanding the function of the hormonal control system. Understanding the Physical and Environmental Temperature Relations and sensory organs of the structure and tasks.
**Teaching Methods and Techniques:**
learning digestion respiratory, excretory, and reproductive organs to learn the tasks and neural control. Understanding the structure and function of the cardiovascular system. Understanding the function of the hormonal control system. Understanding the Physical and Environmental Temperature Relations and sensory organs of the structure and tasks.
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Instructors:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | guyton physiology,medical physiology |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | vize,yarıyıl sınavı |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 40 |
| **Social Sciences** | : | | **Field** | : | 60 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | respiratory system | | |
| 2 | respiratory system | | |
| 3 | resipiratory system | | |
| 4 | uriary system | | |
| 5 | uinary system | | |
| 6 | urinary system | | |
| 7 | dqestive system | | |
| 8 | Midterm | | |
| 9 | diqestive system | | |
| 10 | diqestive system | | |
| 11 | endocrine system | | |
| 12 | endocrine system | | |
| 13 | endocrine system | | |
| 14 | endocrine sistem | | |
| 15 | Endocrine System | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | the gastrointestinal and nutritional physiology of different species |
| C02 | the cardyoascular physiology |
| C03 | specal circulations |
| C04 | the respiratoy physiology |
| C05 | the renal physiology |
| C06 | female and mae reproductive physiology |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 5 | 70 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 5 | 5 |
| **Total Work Load** | | | **150** |
| **ECTS Credit of the Course** | | | **5** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 3 | 2 | 4 | 4 | 2 | 1 | 1 | 5 | 3 | 3 | 3 | 3 | 1 | 1 | 5 | 5 |
| C01 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 |
| C02 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 |
| C03 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 |
| C04 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 |
| C05 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 |
| C06 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET213 | ANIMAL BEHAVIOR | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET213 | ANIMAL BEHAVIOR | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The examination of domestic animal behaviour
**Teaching Methods and Techniques:**
The definition of behaviour and the effect of domestication on behaviour,The regulation of body temparature, homeotherm and poikilotherm animals, hibernation, body temparature
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Instructors:**
Associate Prof.Dr. H.Turan AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | ANIMAL BEHAVIOR (Cengiz, F., 2008, Bursa),2- Physiology of Small and Large Animal (RUCKEBUSCH Y., PHANEUF, L., 1991),3- The Behaviour of |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | |
| **Social Sciences** | : | 40 | **Field** | : | 60 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The definition of behaviour and the effect of domestication on behaviour | | |
| 2 | The effects of central nervous system on behaviours | | |
| 3 | The regulation of body temparature, homeotherm and poikilotherm animals, hibernation, body temparature | | |
| 4 | The adaptation of animals to cold and warm | | |
| 5 | The behaviours of animals during sleep | | |
| 6 | Fundamental behaviours of dogs | | |
| 7 | Social behaviours of dogs | | |
| 8 | Midterm | | |
| 9 | Basic and social behavior of cats | | |
| 10 | The behaviours of cattle | | |
| 11 | The behaviours of sheep | | |
| 12 | The behaviours of horses | | |
| 13 | The behaviours of pigs | | |
| 14 | The reasons causing stress in animals | | |
| 15 | Stress factors in animals | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | the definition of behaviour and the importance of human and animal love on behaviours are learned |
| C02 | the balance of internal conditions and control systems of organism in leaving creatures are learned |
| C03 | the effects of domestication on behaviour are learned |
| C04 | the effects of environment temperature on behaviour are learned |
| C05 | feeding, sexuality, maternal and social behaviours in domestic animals such as dogs, cats, cattle, sheep, horses and pigs are learned |
| C06 | behavior of sleeping on animals are learned |
| C07 | The causes of stress on animals are learned |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 2 | 2 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 2 | 2 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 |
| C01 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C02 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C03 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C04 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C05 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C06 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C07 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET211 | ANIMAL WELFARE | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET211 | ANIMAL WELFARE | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To give basic education about the subject of animal welfare, to constitute the substructure that will produce solutions with the subject of animal
**Teaching Methods and Techniques:**
General information , we have the welfare during the pre- cut , we have the Welfare Transport 've Growing Prosperity , Prosperity 've animals, experimental animals , zoos, Welfare Inc.
**Prerequisites:**

**Course Coordinator:**
Asist Prof. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Peter Singer, Hayvan Özgürleşmesi, Çev: Hayrullah Doğan, Ayrıntı Yayınları, İstanbul, 2002 |
| **Resources** | : | Peter Singer, Hayvan Özgürleşmesi, Çev: Hayrullah Doğan, Ayrıntı Yayınları, İstanbul, 2002 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 40 |
| **Social Sciences** | : | **Field** | : | 60 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The concept of animal welfare and opinions on this issue (Views of Ruth HARRISON, Astrid LINDGER, Jeremy BENTHAM, I | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 2 | Animal welfare and animal rights (comparative evaluation) | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 3 | Animal welfare and human behavior (Animal owners and veterinarians) | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 4 | Animal welfare, animal ethics and veterinary ethics association | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 5 | Relationship between animal welfare – veterinary medicine | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 6 | Legislation on animal welfare in Turkey and EC | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 7 | Analysis of animal welfare cases and the evaluation of cases which are dispatch to the law courts | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 8 | Midterm exam | | |
| 9 | Features of environment and its impacts on animal species | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 10 | Comfort zone and its importance in livestock | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 11 | Stress and factors causing stress in livestock | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 12 | Management techniques from point view of animal welfare in cattle barns | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 13 | Management techniques from point view of animal welfare in poultry housing systems | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 14 | Management techniques from point view of animal welfare in sheep barns | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |
| 15 | Management techniques from point view of animal welfare in horse barns | Course of the study subjects planned to | Peter Singer, Hayvan Özgürleşmesi, Çev |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | General information |
| C02 | Animal husbandry and welfare |
| C03 | Transport and welfare |
| C04 | Before and after cut welfare |
| C05 | Experimental animals and welfare |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 1,50 | 21 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 18 | 18 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET241 | POULTRY PHYSIOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET241 | POULTRY PHYSIOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to teach the anatomical and physiological characteristics of poultry digestive system, feeding programs according to different physiological periods (both laying and flesh), use of feed additives in poultry feed and to gain knowledge and skills in poultry ration making.
**Teaching Methods and Techniques:**
Basic concepts of poultry feeding, anatomical and physiological properties of poultry digestive system, examination of broiler feeding programs according to periods: (beginning, development, finishing periods), feeding of broiler breeders, problems in preparation of broiler rations, effect of nutrition in broilers on meat quality, poultry nutrition Periodical examination of the programs, problems encountered in the preparation of the poultry rations, feed ingredients and additives used in poultry rations, ration production for poultry.
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Instructors:**
Associate Prof.Dr. H.Turan AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Prof. dr. Ahmet Ergün et al., 2006. Animal Nutrition and Nutritional Diseases, Ankara University Faculty of Veterinary Medicine.,Prof. dr. Mesut Türk |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic concepts of poultry feeding | Standard classroom technologies, Multin | |
| 2 | Anatomical and physiological characteristics of poultry digestive system, | Standard classroom technologies, Multin | |
| 3 | Anatomical and physiological characteristics of poultry digestive system, | Standard classroom technologies, Multin | |
| 4 | Periodic analysis of broiler feeding programs: (Start, development, completion periods), | Standard classroom technologies, Multin | |
| 5 | Periodic analysis of broiler feeding programs: (Start, development, completion periods), | Standard classroom technologies, Multin | |
| 6 | Periodic analysis of broiler feeding programs: (Beginning, development, completion periods) | Standard classroom technologies, Multin | |
| 7 | Midterm | Standard classroom technologies, Multin | |
| 8 | Effect of nutrition on meat quality in broilers | Standard classroom technologies, Multin | |
| 9 | Examination of the poultry nutrition programs according to periods, | Standard classroom technologies, Multin | |
| 10 | Examination of the poultry nutrition programs according to periods, | Standard classroom technologies, Multin | |
| 11 | Examination of the poultry nutrition programs according to periods, | Standard classroom technologies, Multin | |
| 12 | Feed raw materials and additives used in poultry rations | Standard classroom technologies, Multin | |
| 13 | Feed raw materials and additives used in poultry rations | Standard classroom technologies, Multin | |
| 14 | Feed raw materials and additives used in poultry rations. | | |
| 15 | Feed raw materials and additives used in poultry rations. | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Explains the basic concepts of poultry feeding, anatomical and physiological characteristics of poultry digestive system. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 4 | 5 | 20 |
| Assignments | 5 | 2 | 10 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **92** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET231 | LIVER HISTOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET231 | LIVER HISTOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach histology of the liver
**Teaching Methods and Techniques:**
Theory, laboratory supplies and materials of practical lessons.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nurhayat GÜLMEZ
**Instructors:**
Prof.Dr. Nurhayat GÜLMEZ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1-Veteriner Özel Histoloji, Ed.; Aytekin Özer |
| **Resources** | : | 2-Özel Histoloji, Atilla Tanyolaç |
| **Documents** | : | Konu (İngilizce),B,Embryonic development of the liver,Histology of the liver,Hepatocytes,Kupffer cells and fat storing cells,Blood circulation in liver, |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Embryonic development of the liver | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 2 | Histology of the liver | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 3 | Hepatocytes | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 4 | Kupffer cells and fat storing cells | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 5 | Blood circulation in liver | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 6 | The functions of the liver | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 7 | Metabolic functions of the liver | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 8 | Blood clotting and liver | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 9 | Liver and gall bladder | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 10 | Pit cells and fatty liver syndrome | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 11 | Oil red O staining | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 12 | Black oil staining from water | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 13 | Evaluation of the liver sections | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 14 | Evaluation of the liver sections | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | to learn embryonic development and histology of the liver |
| C02 | to learn liver histology |
| C03 | to learn Kupffer cell |
| C04 | To learn metabolic functions of the liver |
| C05 | To learn basic functions of the liver |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 1 | 25 | 25 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 20 | 20 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C01 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C02 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET227 | THE IMPORTANCE OF ROOT CELLS GROWTH FACTORS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET227 | THE IMPORTANCE OF ROOT CELLS GROWTH FACTORS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
In this course, stem cells and their types, isolation and clinical applications will be acquainted with ethical debates and legal regulations.
**Teaching Methods and Techniques:**
Stem cell definition, types, application areas and growth factors
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Zelal KARAKOÇ
**Instructors:**
Asist Prof.Dr. Zelal KARAKOÇ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Homework Presentation (Including Preparatory Period) Activity (Internet Browsing, Library Study, Travel, Observation, Interview, etc.) |
| **Resources** | : | 1. Mckay I, leigh I. Growth Factors Apractical Approach. Oxford University Pres. 1993,Essentials of stem cell biology, Robert Lanza et al. (2nd editic |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | What is stem cell biology? Scope and targets, stem cell types, classification of stem cells according to Pluripotent potentials | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 2 | What is Embryonic Stem Cell? Identification and use of embryonic stem cells | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 3 | What is adult stem cell? Identification of similarities and differences between embryonic and adult stem cells | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 4 | Regulation of stem cell function, What is hemotopoietic stem cell? Identification and application areas | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 5 | What is mesenchymal stem cell? Usage areas | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 6 | stem cell isolation | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 7 | Week of exams | test preparation and repetition | Homework Presentation (Including Prep |
| 8 | use of stem cells in veterinary medicine | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 9 | Stem cell applications in the world, discussion of ethical and legal practices | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 10 | definition of growth factors, types, sources and sources | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 11 | Physiological roles of growth factors | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 12 | epidermal growth factor | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 13 | platelet-derived growth factor | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 14 | tumor necrosis factor | Course of the study subjects planned to | Homework Presentation (Including Prep |
| 15 | the relationship between stem cell and growth factors | Course of the study subjects planned to | Homework Presentation (Including Prep |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | To be able to define the stem cell and to be able to distinguish the types according to the state of being pluropotent |
| C02 | To be able to analyze the properties of embryonic and adult stem cells |
| C03 | To be able to know and discuss ethical and legal regulations about the production and therapeutic use of stem cells |
| C04 | understand the importance of growth factors |
| C05 | understand the relationship between growth factors and stem cells |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 14 | 14 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **56** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C01 | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 3 | 3 | 3 | 4 | 3 | 3 | 4 |
| C02 | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C03 | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 |
| C04 | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 3 | 3 | 3 | 4 | 3 | 3 | 3 |
| C05 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 3 | 3 | 3 | 4 | 3 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET235 | PROFESSIONAL ENGLISH-III | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET235 | PROFESSIONAL ENGLISH-III | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach the students the general terminology in English and Turkish in related fields.
**Teaching Methods and Techniques:**
The course is a continuation of the Professional English II course in which students are taught the general terminology in English and in Turkish.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 2 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 3 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 4 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 5 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 6 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 7 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 8 | Midterm exam | Course of the study subjects planned to | Medical Passages & Vocabulary for UDS |
| 9 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 10 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 11 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 12 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 13 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 14 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 15 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning the terminology of the English language. |
| C02 | Acquiring the ability to understand intermediate and advanced medical articles. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET219 | MICROBIOLOGY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET219 | MICROBIOLOGY-I | 3 | 2 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach biology of the microorganisms, to define host-microorganism-environment interactions, to give hygiene and sterilisation principles, to get students acquired fundamental bacterioscopic methods. Students are expected to acquire a basic medical how microorganisms live, react and grow in various conditions.
**Teaching Methods and Techniques:**
General Characteristics of Bacteria, Phenotypic Variations, Genetics of microoragnisms, Transfer of hereditary material, Examination, Extracromosomal genetic elements, Bacteria viruses, pathogenicity, Microbial Antigens, Morphology of fungi, Metabolism of fungi, Viruses, Biotecnology
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | TEMEL MİKROBİYOLOJİ (2000) Arda M, Medisan, Ankara. |
| **Resources** | : | VETERINARY MICROBIOLOGY and MICROBIAL DISEASE (2002) Quinn PJ et al. Blackwell Pub.Co., UK.,VETERİNER MİKROBİYOLOJİ (2006) Aydın M |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | World and Turkish history of microbiology | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 2 | Morphology, chemical structures, nutrition, enzymes | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 3 | Metabolism, Factors affecting growth | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 4 | Morphologic, cultural and others | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 5 | Genomic material of microorganisms, nucleic asids | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 6 | Tranformation, conjugation, transduction | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 7 | Middle exam | | |
| 8 | Plasmids, episomes, etc | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 9 | Bacteriophages, infection mechanism | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 10 | Antigens from bacteria, fungi and viruses | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 11 | Microscopic, macroscopic characterization | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 12 | Nutrition, physiology, and metabolism | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 13 | General characteristics of vruses | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 14 | Clonning, amplification, typing | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Biosafety of microbiology laboratory |
| C02 | Collection of infected material, and sent to laboratory for diagnosis |
| C03 | Culture prosess for bacteria isolation |
| C04 | Identification of cultured bacteria |
| C05 | Determination of general acter of isolated bacteria |
| C06 | Determination of antigenic acter of bacteria |
| C07 | Determination of physiological acter of bacteria |
| C08 | The relationship between host and bacteria |
| C09 | The course of infection mechanism |
| C10 | The course of antimicrobial susceptibility |
| C11 | Elimination of bacterial agent from enviroment |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C01 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C02 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C03 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C04 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C05 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C06 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C07 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C08 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C09 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C10 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C11 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET215 | PARASITOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET215 | PARASITOLOGY | 3 | 2 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach the basic concepts of Parasitology
**Teaching Methods and Techniques:**
Introduction of parasitology, Medical and veterinary importance of the parasites, Host-parasite relationsheep, The types of parasitism according to the host parasite relationsheep, History of parasitology, Localisations of the parasites in hosts, Development of parasites, Nomenculature of parasites and parasitic diseases, Origines of parasites, Reproduction of parasites, Pathogenicity of parasitic diseases, Epidemiology of parasitic diseases, Immunity of parasitic diseases, Symptoms of parasitic diseases, Prognose, treatment and control of parasitic diseases
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Güçlü, F. (1999):Genel Parazitoloji, S.Ü.Veteriner Fakültesi Yayınları |
| **Resources** | : | Medikal parazitoloji, Yaşarol Ş, sayfa 1-29 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Definition of parasitology, importance of parasitic diseases. | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 2 | Host-parasite relationsheep | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 3 | The types of parasitism according to the host parasite relationsheep | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 4 | History of parasitology | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 5 | Localisations of the parasites in hosts | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 6 | Development of parasites | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 7 | Nomenculature of parasites and parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 8 | Origines of parasites | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 9 | Reproduction of parasites | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 10 | Pathogenicity of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 11 | Epidemiology of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 12 | Immunity of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 13 | Symptoms of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 14 | Prognose, treatment and control of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Definition of Parasitology and the importance of Parasitic diseases in Turkey teaches |
| C02 | Live coexistence of forms and types of parasitism learns. |
| C03 | Parasites and parasitic diseases to be named teaches. In addition, the origin of parasites, reproduction, adaptation and harmful effects teaches. |
| C04 | Parasitic diseases, allergy and hypersensitivity reactions (hypersensitivity) teaches. |
| C05 | Parasitic diseases, symptoms, prognosis, treatment and prevention teaches. |
| C06 | Have knowledge about parasitic zoonoses. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C01 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C02 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C03 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C04 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C05 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C06 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET229 | PHYSIOPATHOLOGY OF DIGESTIVE SYSTEM | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET229 | PHYSIOPATHOLOGY OF DIGESTIVE SYSTEM | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The systems included in the course content (digestive system, respiratory system, bones, joints, muscles and veterinary oncology with tendon disease) pathological changes, to tell classifying them according to animal species and organs, the etiology of the disease on the system in question, pathogenesis, is to provide information about the macroscopic and microscopic features
**Teaching Methods and Techniques:**
The etiology of the disease on the system in question, pathogenesis, is to provide information about the macroscopic and microscopic features.The etiology of the disease on the system in question, pathogenesis, is to provide information about the macroscopic and microscopic features.
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. H.Turan AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Veterinary Systemic pathology Textbook of Veterinary Oncology (Err. H., Kiran, MM) Veterinary Pathology I and II. Volume (R. Haziroglu, U.H. Nati |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 30 |
| **Social Sciences** | : | **Field** | : | 70 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Digestive system-oral cavity, tonsils, pharynx, esophagus pathology | | |
| 2 | Digestive system-oral cavity, tonsils, pharynx, esophagus pathology | | |
| 3 | Digestive system-oral cavity, tonsils, pharynx, esophagus pathology | | |
| 4 | Pathology of the stomach and digestive system-Front | | |
| 5 | Digestive system-small and large intestine pathology | | |
| 6 | Pathology of the stomach and digestive system-Front | | |
| 7 | Digestive system-liver and biliary tract pathology | | |
| 8 | Midterm | | |
| 9 | Liver and biliary tract pathology of the digestive sys- | | |
| 10 | Digestive system-pancreas, peritoneum and abdominal cavity pathology | | |
| 11 | Digestive system-pancreas, peritoneum and abdominal cavity pathology | | |
| 12 | Digestive system-pancreas, peritoneum and abdominal cavity pathology | | |
| 13 | feces | | |
| 14 | Neural control of the gastrointestinal tract | | |
| 15 | neural control of the gastrointestinal tract | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Evaluating pathological changes in the organs of all makes diagnosis and prevention of diseases learns. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 2 | 2 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 2 | 2 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 1 | 5 | 1 | 4 | 4 | 5 | 5 | 4 | 1 | 5 | 5 | 5 |
| C01 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET203 | TOPOGRAPHIC ANATOMY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET203 | TOPOGRAPHIC ANATOMY | 3 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Teaching of locations of anatomic organs in body and their relations in detail
**Teaching Methods and Techniques:**
Regiones faciei, Regiones colli, Regio scapularis, Regio costalis, Regio cardiaca, Regiones dorsi, Regiones abdominis, Regio pelvis, Regio glutea, Regio perinealis, Regio inguinalis, Regiones membri thoracici, Regiones membri pelvini
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. EMİNE ÜMRAN BOZKURT BÜYÜKÇOPUR
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Dursun, N.(2008). Veteriner Topografik Anatomi. Medisan Yayınevi, Ankara. 2. Yıldız, H., Yıldız, B., Bahadır, A. (2003). U.Ü. Vet.Fak.Yay., Bursa. |
| **Resources** | : | - |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Regiones faciei | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 2 | Regiones colli | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 3 | Regio scapularis | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 4 | Regio costalis | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 5 | Regio cardiaca | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 6 | Regiones dorsi | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 7 | Regiones abdominis | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 8 | MID EXAM | | |
| 9 | Regio pelvis | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 10 | Regio pelvis | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 11 | Regio glutea | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 12 | Regio perinealis | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 13 | Regio inguinalis | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 14 | Regiones membri thoracici | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |
| 15 | Regiones membri pelvini | Course of the study subjects planned to 1. Dursun, N.(2008). Veteriner Topograf | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | .To able to establish scientific thinking, hypothesis forming, criticism, free-expression. |
| C02 | To able adopt anatomical knowledge to clinical and surgical applications. |
| C03 | To able plan experimental studies and to analyse and evaluate their results. |
| C04 | To able to perform interdisciplinary team works, motivativation and enterprise skills. |
| C05 | To able to transfer the knowledge to national and international scientific areas. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 10 | 10 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 24 | 24 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET217 | ANIMALBREEDING-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 3 | VET217 | ANIMALBREEDING-I | 4 | 3 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Breeds and Species of farm animals. Morphological and physiological traits. Animal Breeding, Barns and Environment Conditions.
**Teaching Methods and Techniques:**
Includes general informations on overview of livestock animals, domestication, species, breed, fertility, growth, meat yield, milk yield, psychological characteristics, the environment and animals, cattle and horse breeding
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan (1999). Hayvan Yetiştiriciliği ve Temel Bilgiler. Anakara Üniversitesi Veteriner Fakültesi, Ankara 2) ALPAN Or |
| **Resources** | : | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan (1999). Hayvan Yetiştiriciliği ve Temel Bilgiler. Anakara Üniversitesi Veteriner Fakültesi, Ankara 2) ALPAN Or |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Dairy Cattle Breeding World And Türkiye | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 2 | Dairy Cattle Breeds, Yield Traits | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 3 | Dairy Cattle Fertility Traits | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 4 | Dairy Cattle Milk Yield | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 5 | Environmental Conditions for Dairy Cattle | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 6 | Dairy Cattle Barns, Buildings | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 7 | Dairy Cattle Selection For Replacement | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 8 | Midterm exam | | |
| 9 | Breeding Methods For Dairy Cattle | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 10 | Types of feeding for domestic animals | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 11 | The effects of Factors for Feeding performances | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 12 | Horse races | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 13 | Horse raising | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 14 | Horse colors, their marks and their walking variety. | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |
| 15 | At donları, nişaneleri, yürüme şekilleri. | Course of the study subjects planned to | 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan ( |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Getting basic knowledge about Overview to livestock animals,characters,cattle breeds, care and feeding of cattle |
| C02 | Understanding udder system, lactation, type scoring in dairy cows, beef production |
| C03 | Getting basic knowledge about Horse breeds, body colours in horse breeds, heredity of body colours, inherited defects, age determination, racing, determination of parental |
| C04 | Proposing solutions to the problems encountered in cattle and horse breeding |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 11 | 11 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 25 | 25 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C03 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET226 | ARI DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET226 | ARI DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To inform the students about bee diseases
**Teaching Methods and Techniques:**
Parasitic, bacterial, viral, mycotic diseases in bees and pathogenicity, diagnosis, treatment, prevention and control methods of factors that harm the bees and hives.
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Burçak ASLAN ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Beekeeping and bee diseases |
| **Resources** | : | Beekeeping, products, diseases |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Nosemiasis | | |
| 2 | Varroatosis | | |
| 3 | Tracheal mites | | |
| 4 | Bee louse | | |
| 5 | American Foulbrood | | |
| 6 | European Foulbrood | | |
| 7 | Septisemi | | |
| 8 | Midterm exam | | |
| 9 | Stonebrood | | |
| 10 | Chalkbrood | | |
| 11 | Cronic Honeybee paralysis, Sacbrood | | |
| 12 | Nutrition disorders and Wax Moths | | |
| 13 | Vespidae | | |
| 14 | Ants, Birds | | |
| 15 | Ants, Birds | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | To inform the students about bee diseases |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 8 | 8 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 8 | 8 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 3 | 5 | 5 | 1 | 5 | 5 |
| C01 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 3 | 5 | 5 | 1 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET248 | Vaccine Preparation Techniques | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET248 | Vaccine Preparation Techniques | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to understand the properties of vaccines, vaccine types, vaccination and application methods of vaccines.
**Teaching Methods and Techniques:**
Vaccines and application methods against diseases
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Tekin ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veterinary Virology: Murphy FA, Gibbs EPJ, Horzinek MC, Studdert MJ Principles of Virology. Molecular Biology, Pathogenesis and Control of Animal |
| **Resources** | : | Veterinary Virology: Murphy FA, Gibbs EPJ, Horzinek MC, Studdert MJ Principles of Virology. Molecular Biology, Pathogenesis and Control of Animal |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Virus and bacteria antigenic properties | | |
| 2 | Types of viral and bacterial vaccines | | |
| 3 | Characteristics of live-action vaccines | | |
| 4 | Properties of Dead Factor Vaccines | | |
| 5 | Properties of attenuated vaccines | | |
| 6 | Features of recombinant virus vaccines | | |
| 7 | Marker vaccines and their properties 1 | | |
| 8 | midterm exam | | |
| 9 | Marker vaccines and their properties 2 | | |
| 10 | Virus titrasyon yöntemleri | | |
| 11 | Live virus or bacterial vaccine preparation techniques | | |
| 12 | Techniques of preparation of dead virus or bacterial vaccine | | |
| 13 | Techniques for preparation of attenuated virus or bacterial vaccine | | |
| 14 | Recombinant virus vaccine preparation techniques | | |
| 15 | Marker vaccine preparation techniques | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Vaccines play an important role in the fight against diseases. Understanding the properties and application methods of vaccines. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET246 | PARASITIC STRUGGLE IN ENVIRONMENTAL HEALTH | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET246 | PARASITIC STRUGGLE IN ENVIRONMENTAL HEALTH | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
It is aimed to determine this source in the outbreaks that will occur with parasitic agents and to obtain sufficient information to take necessary control measures.
**Teaching Methods and Techniques:**
Learning the life cycles, morphologies, prevention and control methods of important parasites which cause parasitic diseases affecting human, animal and environmental health.
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Burçak ASLAN ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Genel Parazitoloji.Gülendame SAYGI.Esnaf Ofset Matbaacılık.ISBN975-94317-1-8.1999 |
| **Resources** | : | Genel Parazitoloji.Gülendame SAYGI.Esnaf Ofset Matbaacılık.ISBN975-94317-1-8.1999 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Parazitolojinin tanımı, parazitlerin genel özellikleri, sınıflandırılması, | | |
| 2 | Parazit-konak ilişkileri Parazit hastalıklarında tanı yöntemleri | | |
| 3 | Protozoonların genel özellikleri, Önemli barsak protozoonları (Entamoeba histolytica, Entamoeba coli, Giardia intestinalis) ve | | |
| 4 | Önemli kan ve doku protozoonları (Sıtma) | | |
| 5 | T. gondii, Trypanosoma spp, Leishmania spp. | | |
| 6 | Helmintlerin genel özellikleri | | |
| 7 | Barsakta yerleşen sestodlar(Hymenolepis nana ,Taenia saginata,, Taenia solium) | | |
| 8 | Ara sınav | | |
| 9 | Dokuda yerleşen sestodlar (Taenia solium Echinococcus granulosus, Echinococcus multilocularis) | | |
| 10 | Nematodlar ve bağırsakta yerleşen ler (Ascaris lumbricoides, Enterobius vermicularis, Trichuris trichiura , Çengelli solucanla | | |
| 11 | Kan ve dokularda yerleşen nematodlar (Trichinella spiralis, Filariasis etkenleri) | | |
| 12 | Vektör artropodlar ve genel özellikleri | | |
| 13 | Ektoparazitler ve vektörlükleri (Bit,pire uyuz, tahtakurusu,) | | |
| 14 | Sivrisinekler ve Kenelerin biyolojisi | | |
| 15 | Sivrisinekler ve Kenelerle savaş yöntemleri | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | insan ve çevre sağlığına etki eden parazitler hakkında bilgi sahibi olmak. |
| C02 | Paraziter bir etkenle olacak salgında kaynağın belirlenmesi ve gerek önlemlerin alınması |
| C03 | Ülkemizde görülen önemli paraziter hastalıklar hakkında farkındalık yaratmak |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 28 | 2 | 56 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **56** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 2 | 5 | 5 | 5 | 1 | 1 | 4 | 3 | 1 | 4 | 3 | 5 | 1 | 2 | 3 | 3 |
| C01 | 5 | 4 | 5 | 2 | 5 | 5 | 5 | 1 | 1 | 4 | 3 | 1 | 4 | 3 | 5 | 1 | 2 | 3 | 3 |
| C02 | 5 | 4 | 5 | 2 | 5 | 5 | 5 | 1 | 1 | 4 | 3 | 1 | 4 | 3 | 5 | 1 | 2 | 3 | 3 |
| C03 | 5 | 4 | 5 | 2 | 5 | 5 | 5 | 1 | 1 | | 3 | 1 | 4 | 3 | 5 | 1 | 2 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET202 | INTRODUCTION TO SURGERY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET202 | INTRODUCTION TO SURGERY | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Information about fundementals of surgical attempts
**Teaching Methods and Techniques:**
Information about fundementals of surgical attempts
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Small Animal Surgery, large animal surgery |
| **Resources** | : | clinical examination methods |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 100 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General information about Surgery and Restraint | | |
| 2 | Principles of Surgical asepsis, Sterilization and Disinfection | | |
| 3 | The Physical Exam, Fundamentals of neurosurgery | | |
| 4 | Surgical facilities, equipment and personel, Care and Maintenance of the surgical environment | | |
| 5 | Preoperative assessment of the surgical patient, Preparation of the operative side | | |
| 6 | Preparation of surgical team,, surgical instrumentation | | |
| 7 | VIze | | |
| 8 | Suture Materials, Suturing | | |
| 9 | Surgical infections and antibiotic selection, Postoperative care of the surgical patient | | |
| 10 | Postoperative care of the surgical patient, Postoperative care of the surgical patient | | |
| 11 | Treatment of perioperative pain | | |
| 12 | Fluid therapy, Shock | | |
| 13 | Hemorrhagy-ligatures-drainage, Bandages | | |
| 14 | Injections, Centesis, Catheterization | | |
| 15 | Lameness | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | holding biding method |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 12 | 3 | 36 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 14 | 14 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET242 | SWINE BREEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET242 | SWINE BREEDING | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Education of the student in pig production
**Teaching Methods and Techniques:**
General Specifications, races, shelters, Behavior, Care and Feeding of breeding, reproduction reproductive period of preparation, Baby Care & Nutrition, Extensive Livestock, intensive fattening, slaughter and carcass characteristics, Product Marketing, Healthcare, Regulatory.
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. Tuncay TUFAN
**Instructors:**
Asist Prof.Dr. Memiş BOLACALI
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Poyraz, Ö. (2003). Kanatlı ve Domuz Yetiştiriciliği Ders Notları, Ankara |
| **Resources** | : | Poyraz, Ö. (2003). Kanatlı ve Domuz Yetiştiriciliği Ders Notları, Ankara |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General Specifications | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 2 | Breeds | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 3 | Shelters | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 4 | Care and feeding of breeding | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 5 | Reproduction, the preparation of reproductive period | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 6 | The ofspring care and nutrition | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 7 | Extensive fattening | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 8 | Midterm | | |
| 9 | Intensive fattening | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 10 | Semi-Intensive fattening | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 11 | Slaughter and carcass characteristics | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 12 | Product Marketing | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 13 | Healthcare | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 14 | Regulatory | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |
| 15 | Regulatory | Course of the study subjects planned to | Poyraz, Ö. (2003). Kanatlı ve Domuz Yet |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Having learned the basic knowledge of pig breeding, |
| C02 | To learn the basic information about pig fattenig, |
| C03 | To learn the basic information about pig raising, |
| C04 | Pig Breeding |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C04 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET220 | GENETIC | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET220 | GENETIC | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Provide information to the veterinary students to understand principle of inheritance, structure, function of genetic material and application of recombinant DNA technology.
**Teaching Methods and Techniques:**
Introduction to Genetics, Mendelian genetics, Chromosomes, DNA, Structure and functions of genes, Gene expression, Mutations, Chromosomal mutations, Molecular Genetic, Recombinant DNA technology, Population Genetics, Quantitaive Genetic, Epigenetics ,
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Ahmet Yıldırım ve ark. Nobel Yayınevi 2008 |
| **Resources** | : | Ahmet Yıldırım ve ark. Nobel Yayınevi 2008 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 0 | **Education** | : | 0 |
| **Engineering** | : | 0 | **Science** | : | 0 |
| **Engineering Design** | : | 0 | **Health** | : | 75 |
| **Social Sciences** | : | 0 | **Field** | : | 25 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Mendelian inheritance | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 2 | Extensions of Mendelian genetics | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 3 | Chromosomal inheritance | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 4 | Genetic linkage analysis | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 5 | Genetic material-DNA | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 6 | Structure and function of gene | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 7 | Control of gene expression | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 8 | Vize haftası | | midterm exam |
| 9 | Mutations | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 10 | Chromosomal abnormalities | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 11 | Recombinant DNA technology | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 12 | Recombinant DNA technology | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 13 | Recombinant DNA technology | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 14 | Population genetics | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |
| 15 | Quantitative genetics | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 20 |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | become familiar with Genetic science |
| C02 | The basic principles of heredity is given |
| C03 | Molecular biology is learned at a basic level |
| C04 | Information about recombinant DNA technology is provided |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 2 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 4 | 5 | 3 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 3 | 3 | 3 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 5 | 1 | 1 | 1 |
| C03 | 5 | 2 | 3 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 |
| C04 | 4 | 4 | 2 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET232 | ANIMAL RIGHTS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET232 | ANIMAL RIGHTS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To supply the development of knowledge, theoretical and views by the veterinary surgery candidates with the subject of animal rights. When they come up against animal rights issues they make guidance to the society.
**Teaching Methods and Techniques:**
veterinary surgery candidates with the subject of animal rights, Historical development of the animal rights movement, Animal ethics, Animal rights according to the usages, Universal declaration of animal rights and the importance, The animal protection act and the content and ethical aspects of assessment on the animal protection act
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof. SEYRANİ MERSİN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Morris, D. (1991). Contracted of Animal – Human , Regan, T. (1983). Animal Rights,Singer, P. (1989). Animal Rights and Human Obligations,S |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | ARA SINAV VE YARIYIL SINAVI |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 10 |
| **Social Sciences** | : | 30 | **Field** | : | 60 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Relationship between human and animal in historical process and the concept of animal rights | | |
| 2 | Historical development of the animal rights movement | | |
| 3 | Animal ethics | | |
| 4 | Animal rights according to the usages | | |
| 5 | The animal protection organizations | | |
| 6 | Universal declaration of animal rights and the importance | | |
| 7 | The views of animal rights supporter | | |
| 8 | Midterm | | |
| 9 | The views of animal rights against | | |
| 10 | Use of animals in research | | |
| 11 | The animal protection act and the content | | |
| 12 | Value in terms of veterinary medicine of animal rights | | |
| 13 | To be discussed on animal welfare in the framework of animal rights | | |
| 14 | The animal protection act and the evaluation of cases which are dispatch to the law courts | | |
| 15 | ethical aspects of assessment on the animal protection act | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Improve the communication ability with the society and the animal owners.. |
| C02 | Gaining to the studuents the importance and value of the animals in their professional and education life. |
| C03 | Provide animal rights understanding and conception in their professional lives and forward these knowledges to the society. |
| C04 | Evaluating the legal and ethical responsibilty regarding to the animal rights issues. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **31** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 5 | 4 | 2 | 1 | 1 | 4 | 2 | 1 | 1 | 1 |
| C01 | 5 | 5 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 |
| C02 | 4 | 5 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 5 | 4 | 3 | 2 | 1 | 4 | 2 | 1 | 3 | 3 |
| C03 | 5 | 4 | 2 | 1 | 2 | 3 | 3 | 3 | 1 | 5 | 5 | 3 | 3 | 3 | 5 | 1 | 2 | 2 | 2 |
| C04 | 4 | 5 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 3 | 2 | 2 | 4 | 2 | 2 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET216 | HELMINTHOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET216 | HELMINTHOLOGY | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To give information about helminths and their diseaes in animals. Morphology, biology and pathogenesis of helminths; diagnosis, treatment and protection paths of the helminthic diseases.
**Teaching Methods and Techniques:**
General characteristics of helminths, General characteristics of trematodes, Dicrocoelidae, Fasciolidae, Lepodermatidae, Troglotrematidae, Brachylaemidae, Heterophyidae, Opistorchiidae, Paramphistomidae, Schistosomatidae General characteristics of cestodes, Diphyllobothriidae, Anoplocephalidae, Avitellinidae, Davaineidae, Hymenolepididae, Dilepididae, Taeniidae, Mesocestoididae, General characteristics of nematodes, Strongyloididae, Strongylidae, Ancylostomidae, Syngamidae, Metastrongylidae, Protostrongylidae, Filaroididae, Trichostrongylidae, Dictyocaulidae, Ascariidae, Toxocaridae, Ascaridiidae, Anisakidae, Oxyuridae, Heterakidae,, Spiruridae, Thelaziidae, Filariidae, Setariidae, Onchocercidae, Trichuridae, Trichinellidae
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1-Helmitoloji, 2.baskı, Güralp N, sayfa 1-593, 2-Veterinerler için parazitoloji, 3. baskı, Georgi J. R, sayfa.81-407, 3-Veteriner Helmintoloji ,Toparlak |
| **Resources** | : | 1-Helmitoloji, 2.baskı, Güralp N, sayfa 1-593 2-Veterinerler için parazitoloji, 3. baskı, Georgi J. R, sayfa.81-407 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General characteristics of helminths | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 2 | General characteristics of trematodes | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 3 | Dicrocoelidae, Fasciolidae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 4 | Lepodermatidae, Troglotrematidae, Brachylaemidae, Heterophyidae, Opistorchiidae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 5 | Paramphistomidae, Schistosomatidae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 6 | General characteristics of cestodes, Diphyllobothriidae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 7 | Anoplocephalidae, Avitellinidae, Davaineidae, Hymenolepididae, Dilepididae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 8 | Midterm exam | | |
| 9 | Taeniidae, Mesocestoididae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 10 | General characteristics of nematodes, Strongyloididae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 11 | Strongylidae, Ancylostomidae, Syngamidae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 12 | Metastrongylidae, Protostrongylidae, Filaroididae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 13 | Trichostrongylidae, Dictyocaulidae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 14 | Ascariidae, Toxocaridae, Ascaridiidae, Anisakidae, Oxyuridae, Heterakidae, Spiruridae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |
| 15 | Thelaziidae, Filariidae, Setariidae, Onchocercidae, Trichuridae, Trichinellidae | | Veteriner Helmintoloji ,Toparlak M.,Tüze |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | It recognizes helminths and diseases which is made by them. |
| C02 | It diagnoses diseases made by helminths. |
| C03 | It cures diseases made by helminths. |
| C04 | It takes necessary measures to protect animals from helminth diseases. |
| C05 | It takes precautions to prevent to spread helminths which contaminate from animals to human. |
| C06 | It recognizes helminths which cause disease in animals. |
| C07 | It take preservative measures against helminth diseases. |
| C08 | It instructs to producer about zoonoses helminths |
| C09 | It supplies to take precautions about protecting from zoonoses helminths. |
| C10 | It compiles and interprets new informations about helmintns. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 16 | 16 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C01 | 5 | 4 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C02 | 5 | 4 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C03 | 5 | 4 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C04 | 5 | 4 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C05 | 5 | 4 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C06 | 5 | 4 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C07 | 5 | 4 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C08 | 5 | 3 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C09 | 5 | 3 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |
| C10 | 5 | 3 | 4 | 3 | 2 | 1 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 4 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET234 | CLINICAL ANATOMY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET234 | CLINICAL ANATOMY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Teaching of clinically important anatomic structures and regiones in domestic mammals.
**Teaching Methods and Techniques:**
Palpable lymphatic nodes and intravenous enjectable vessels in clinic., epidural anaesthesia regions, choice regions for esophagotomy and tracheotomy, choice points for regional anaesthesia in thoracic limb, choice points for regional anaesthesia in pelvic limb, clinical anatomy of regio cranii, clinical anatomy of regio coli, clinical anatomy of regio thoracicis, clinical anatomy of regio abdominis, clinical anatomy of regio pelvis, clinical anatomy of regio inguinalis, clinical anatomy of regio perinei, age determination accornig to teeth and horns
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Prof.Dr. Mehmet KILINÇ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003). Veteriner Topografik Anatomi. U.Ü. Vet.Fak.Yay., Bursa. 2. Dursun, N.(2008). Veteriner To |
| **Resources** | : | Evcil Hayvanların Anatomi Atlası Popesko |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : |
| **Social Sciences** | : | | **Field** | : 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Palpable lymphatic nodes and intravenous enjectable vessels in clinic. | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 2 | Epidural anaesthesia regions | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 3 | Choice regions for esophagotomy and tracheotomy | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 4 | Choice points for regional anaesthesia in thoracic limb | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 5 | Choice points for regional anaesthesia in pelvic limb | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 6 | Clinical anatomy of regio cranii | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 7 | Clinical anatomy of regio coli | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 8 | Clinical anatomy of regio thoracicis | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 9 | Clinical anatomy of regio abdominis | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 10 | Clinical anatomy of regio pelvis | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 11 | MIDDLE EXAM | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 12 | Clinical anatomy of regio inguinalis | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 13 | Clinical anatomy of regio perinei | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |
| 14 | Age determination accornig to teeth and horns | Study on the lesson | 1. Yıldız, H., Yıldız, B., Bahadır, A. (2003 |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | To able adopt anatomical knowledge to clinical and surgical applications. |
| C02 | To able to realise professional and ethical responsibilities. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET238 | CLINICAL ANATOMY OF WINGS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET238 | CLINICAL ANATOMY OF WINGS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Poultry bones, muscles, joints, and respiratory, digestive, and urogenital system organlarınının places, neighborhoods and structures of the teaching
**Teaching Methods and Techniques:**
Significant anatomical differences between birds and mammals, parts of the skeleton and the bones that make up the skeleton of poultry, arthroloji poultry and myoloji, the anatomical structure of the heart, vascular system with the location and neighborhoods, poultry respiratory system and respiratory organs and air pouches, poultry digestion system organs, the liver, spleen and pancreas, organs of the urinary tract in poultry, poultry and egg formation stages of male and female genital organs, the importance of the location and structure of poultry cloacae, poultry skin and skin modifications poultry and bodies of the sense of sight, the organ of hearing in poultry and locations of the endocrine organs in poultry, makes it easy to fly in poultry buildings
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. EMİNE ÜMRAN BOZKURT BÜYÜKÇOPUR
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Bahadır A., Yıldız H., Veteriner Anatomi-Hareket Sistemi ve İç Organlar, Ezgi Kitapevi, Bursa, 2010. |
| **Resources** | : | Dursun N., Evcil Kuşların Anatomisi, Medisan Yayınevi, Ankara, 1994. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Significant anatomical differences between birds and mammals | Course of the study subjects planned to 1- Bahadır A., Yıldız H., Veteriner Anator | |
| 2 | Parts of the skeleton and the bones that make up the skeleton of poultry | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |
| 3 | Arthroloji poultry and myoloji | Course of the study subjects planned to 1- Bahadır A., Yıldız H., Veteriner Anator | |
| 4 | The anatomical structure of the heart, vascular system with the location and neighborhoods | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |
| 5 | Poultry respiratory system and respiratory organs and air pouches | Course of the study subjects planned to 1- Bahadır A., Yıldız H., Veteriner Anator | |
| 6 | Poultry digestion system organs, the liver, spleen and pancreas | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |
| 7 | Organs of the urinary tract in poultry | Course of the study subjects planned to 1- Bahadır A., Yıldız H., Veteriner Anator | |
| 8 | Poultry and egg formation stages of male and female genital organs | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |
| 9 | The importance of the location and structure of poultry cloacae | Course of the study subjects planned to 1- Bahadır A., Yıldız H., Veteriner Anator | |
| 10 | Poultry skin and skin modifications | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |
| 11 | Poultry and bodies of the sense of sight | Course of the study subjects planned to 1- Bahadır A., Yıldız H., Veteriner Anator | |
| 12 | The organ of hearing in poultry | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |
| 13 | And locations of the endocrine organs in poultry | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |
| 14 | Makes it easy to fly in poultry buildings | Course of the study subjects planned to - Bahadır A., Yıldız H., Veteriner Anatom | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | the location of the heart and lungs, neighborhood, and cadaver representation on the conception of the structure |
| C02 | types of poultry by type of stomach, intestines and digestive glands of plug-in space, neighborhoods and structures, learning and demonstration on cadavers |
| C03 | urogenital organs places, neighborhoods and structures, learning and demonstration on cadavers |
| C04 | learn the differences between poultry and mammals |
| C05 | locomotor system the structures that make up poultry found |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET240 | PROFESSIONAL ENGLISH-IV | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET240 | PROFESSIONAL ENGLISH-IV | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach students the English and Turkish equivalents of general terminology in related fields-to gain the ability to understand the parts of the profession
**Teaching Methods and Techniques:**
This course is a continuation of the vocational English IV course, which gives students the ability to teach general terminology in English and Turkish equivalents in related fields and to understand the parts of the profession.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 2 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 3 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 4 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 5 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 6 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 7 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 8 | Midterm exam | Course of the study subjects planned to | Medical Passages & Vocabulary for ÜDS |
| 9 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 10 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 11 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 12 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 13 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 14 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 15 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning English terminology that can be encountered throughout the professional life |
| C02 | To gain the ability to understand medical articles at intermediate and advanced levels. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET224 | MICROBIOLOGY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET224 | MICROBIOLOGY-II | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Etiology, pathogenesis, treatment and protection of infections caused by bacteria and fungi are given. Competence on infections common in the region, Country and even in the World is asked. Protection of environment and herd from infection is emphasized. Zonoses are also of great importance.
**Teaching Methods and Techniques:**
Streptococci, Staphylococci, Corynebacteriae, Rhodococci, Listeria, Infections caused by bacillus, Enterobacteriaceae and non –spor forming anaerobic bacteria, Pseudomonas, Burgholderia, Campylobacter, Pasteurella, Francisella infections, Mycoplasma infections, Spirochete infections Rickettsiae, Chlamidiae, Introduction to mycoses and dermatomycoses, Yeasts and subcutaneous mycoses, Systemic mycoses
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Aydın N, Paracıkoğlu J (2006) Veteriner Mikrobiyoloji, İlke-Emek Yay., Ankara. 2- Carter GR (1984) Diagnostic Procedures in Veterinary Bacteriolog |
| **Resources** | : | Özel Mikrobiyoloji, 4. Baskı, Arda, M., Minbay, A., Leloğlu, N., Aydın, N., Kahraman, M., Akay, Ö., Ilgaz, A., İzgür, M, Diker, KS. (1997) |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 100 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Turkish/world history of infectious disease | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 2 | Streptococci | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 3 | Staphylococci | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 4 | Corynebacteriae, Rhodococci, Listeria | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 5 | Infections caused by bacillus | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 6 | Enterobacteriaceae and non –spor forming anaerobic bacteria | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 7 | Examination | | |
| 8 | Pseudomonas, Burgholderia, Campylobacter, Pasteurella, Francisella infections | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 9 | Mycoplasma infections | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 10 | Spirochete infections | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 11 | Rickettsiae, Chlamidiae | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 12 | Introduction to mycoses and dermatomycoses | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 13 | Yeasts and subcutaneous mycoses | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |
| 14 | Systemic mycoses | Research on the subject | 1- Aydın N, Paracıkoğlu J (2006) Veterin |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | After completing this course, student will be able to improve his/her knowledge on Gram positive cocci, facultative anaerobic Gram negative rods, Pasteurellaceae and Vibrionaceae, Gram negative a |
| C02 | After completing this course, student will be able improve his/her skills on symptoms of bacterial diseases, laboratory diagnosis of bacterial diseases (bacterioscopy, biochemical tests and antibiotic |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 14 | 14 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 26 | 26 |
| **Total Work Load** | | | **124** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 3 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 1 | 4 | 5 | 4 | 1 | 1 | 4 | 4 |
| C01 | 5 | 5 | 3 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 2 | 4 | 5 | 4 | 1 | 1 | 4 | 4 |
| C02 | 5 | 5 | 3 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 1 | 4 | 5 | 4 | 1 | 1 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET244 | MICROBIOLOGICAL DIAGNOSIS METHODS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET244 | MICROBIOLOGICAL DIAGNOSIS METHODS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach biology of the microorganisms, to define host-microorganism-environment interactions, to give hygiene and sterilisation principles, to get students acquired fundamental bacterioscopic methods. Students are expected to acquire a basic medical how microorganisms live, react and grow in various conditions.
**Teaching Methods and Techniques:**
General Characteristics of Bacteria, Phenotypic Variations, Genetics of microoragnisms, Transfer of hereditary material, Examination, Extracromosomal genetic elements, Bacteria viruses, pathogenicity, Microbial Antigens, Morphology of fungi, Metabolism of fungi, Viruses, Biotecnology
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. GÜLŞAH AKGÜL
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | TEMEL MİKROBİYOLOJİ (2000) Arda M, Medisan, Ankara. |
| **Resources** | : | VETERINARY MICROBIOLOGY and MICROBIAL DISEASE (2002) Quinn PJ et al. Blackwell Pub.Co., UK.,VETERİNER MİKROBİYOLOJİ (2006) Aydın M |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | World and Turkish history of microbiology | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 2 | Morphology, chemical structures, nutrition, enzymes | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 3 | Metabolism, Factors affecting growth | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 4 | Morphologic, cultural and others | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 5 | Genomic material of microorganisms, nucleic asids | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 6 | Tranformation, conjugation, transduction | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 7 | Transformation, conjugation and transduction | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 8 | Midterm | | |
| 9 | Plasmids, episomes, etc | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 10 | Bacteriophages, infection mechanism | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 11 | Antigens from bacteria, fungi and viruses | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 12 | Microscopic, macroscopic characterization | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 13 | Nutrition, physiology, and metabolism | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 14 | General characteristics of vruses | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 15 | Clonning, amplification, typing | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Biosafety of microbiology laboratory |
| C02 | Collection of infected material, and sent to laboratory for diagnosis |
| C03 | Culture prosess for bacteria isolation |
| C04 | Identification of cultured bacteria |
| C05 | Determination of general acter of isolated bacteria |
| C06 | Determination of antigenic acter of bacteria |
| C07 | Determination of physiological acter of bacteria |
| C08 | The relationship between host and bacteria |
| C09 | The course of infection mechanism |
| C10 | The course of antimicrobial susceptibility |
| C11 | Elimination of bacterial agent from enviroment |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 3 | 45 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 2 | 2 |
| **Total Work Load** | | | **63** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C01 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C02 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C03 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C04 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C05 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C06 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C07 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C08 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C09 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C10 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C11 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET236 | DUCKS, GEESE AND TURKEY BREEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET236 | DUCKS, GEESE AND TURKEY BREEDING | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To introduce breeding, reproduction and management of turkey, goose and duck.
**Teaching Methods and Techniques:**
Includes general information breeding, reproduction and management of turkey, goose and duck.
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. Tuncay TUFAN
**Instructors:**
Asist Prof.Dr. Memiş BOLACALI
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. 2005. Hindi Yetiştiriciliği. Otak Form-Ofset, Samsun, Türkiye; Appleyard, R. 2008. Geese Breeding, Rearin |
| **Resources** | : | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. 2005. Hindi Yetiştiriciliği. Otak Form-Ofset, Samsun, Türkiye; Appleyard, R. 2008. Geese Breeding, Rearin |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The economic importance of turkey bereding and its production in Turkey and the world. | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 2 | Turkey breeds and hibrids | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 3 | turkey genetics and improvement | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 4 | Poult breeding and parent stock breeding | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 5 | Nutrition and incubation of turkey. | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 6 | Turkey fattening | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 7 | Slaughter and producs of turkey | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 8 | Midterm | | |
| 9 | Health protection in turkey | Course of the study subjects planned to | Türkoğlu, M., Sarıca, M., ve Eleroğlu, H. |
| 10 | The economic importance of goose and duck bereding | Course of the study subjects planned to | Appleyard, R. 2008. Geese Breeding, Re |
| 11 | Goose and duck breeds, genetics and improvement | Course of the study subjects planned to | Appleyard, R. 2008. Geese Breeding, Re |
| 12 | Goose and duck breeding and parent stock breeding | Course of the study subjects planned to | Appleyard, R. 2008. Geese Breeding, Re |
| 13 | Nutrition and incubation of goose and duck | Course of the study subjects planned to | Appleyard, R. 2008. Geese Breeding, Re |
| 14 | Duck fattening | Course of the study subjects planned to | Roscoe, C. 2011. Ducks and Duck Breed |
| 15 | Health protection in goose and duck | Course of the study subjects planned to | Appleyard, R. 2008. Geese Breeding, Re |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns economic importance, production and consumption of turkey, goose and duck |
| C02 | Learns biological properties of turkey, goose and duck. |
| C03 | Learns breeding, housing and need of equipment in turkey, goose and duck. |
| C04 | Learn about supply of material, its importance and genetic improvement in turkey, goose and duck. |
| C05 | Learns products quality in turkey, goose and duck and makes its analysis in the laboratory. |
| C06 | Learns diseases in turkey, goose and duck and the ways of preventing the disease. |
| C07 | Learns hatchery management and makes practice in turkey, goose and duck. |
| C08 | Learns the breeding according to yield and makes practice in turkey, goose and duck. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C03 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C06 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C07 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C08 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET212 | PATHOLOGY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET212 | PATHOLOGY-I | 4 | 3 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To explain the macroscopic and microscopic features, aetiology and pathogenesis of the diseases, classification of diseases according to the animal species and organs in related systems (veterinary oncology, digestive system, hepatobiliary system, respiratory system).
**Teaching Methods and Techniques:**
General information about tumors, causes and clinicopathologic effects of tumors, Diagnosis and treatment principles of tumors, epithelial and mesenchymal tumors, Melanocytic, nervous, lymphoid and haemop. systems, and mix tumors, Pathology of oral cavity, Tonsils, pharynx, esophagus pathology, Forestomachs and stomach pathology, Small and large intestine pathology, The liver and biliary system pathology, The liver and biliary system pathology, Pancreas, peritoneum and peritoneal cavity pathology, Trachea, bronchi and bronchioli pathology, Pneumonias, Pleura and thoracal cavity pathology
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Özgül GÜLAYDIN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçıvanlar Basım, Konya, 2000 |
| **Resources** | : | Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçıvanlar Basım, Konya, 2000 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Laboratory Rules | Course of the study subject planned to b | |
| 2 | definition and development of inflammation, causes of inflammation, vascular changes, liquordiapedesis, cell exudation, va | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 3 | exudative, alterative, proliferative, granulomatous, classification of the inflammations according to the duration | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 4 | disease causes and response to infection | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 5 | Necrozis | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 6 | degeneration | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 7 | metabolic disorders | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 8 | Middle Exam | | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 9 | immunopatology | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 10 | cell growth disorders | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 11 | cell differentiation disorders | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 12 | anomalies | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 13 | inclusion bodies | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 14 | inclusion bodies | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 15 | topic repetition | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | the ability of patients to identify morphopathogenesis of ethio |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 12 | 3 | 36 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 7 | 7 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET222 | WATER PRODUCTS AND DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET222 | WATER PRODUCTS AND DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To give informations about basic principles of fisheries production and to teach students the aetiology, epizootiology, pathogenesis, laboratory diagnosis, prevention and control of bacterial, viral, fungal, parasitological, neoplastic diseases, as well as nutritional and metabolic disturbances and toxications in productible fishes.
**Teaching Methods and Techniques:**
Systematic examination methods in fish diseases , the use of laboratory diagnosis of fish diseases , bacterial diseases, fungal diseases , viral diseases
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Woo P.T.K., Bruno D.W.: Fish Diseases and Disorders, Vol. 3, Viral, Bacterial and Fungal Infections, , CABI Publishing, UK, 1999 |
| **Resources** | : | 2. Buller, N.B : .Bacteria from Fish and Other Aquatic Animals , CABI Publishing, UK, 2004 |
| **Documents** | : | 3. Arda M., Seçer S., Sarıeyyüboğlu M.: Balık Hastalıkları, Medisan Yayın. No: 61; Ankara, 2005 |
| **Assignments** | : | 4. Pike A.W., Lewis J.W. : Parasitic Diseases of Fish, , Samara Publishing Ltd., 1994 |
| **Exams** | : | 5. Roberts R.J. : Fish Pathology, W.B. Saunders Harcourt Publishers Ltd., London, 2001 |
| | | 6. Erer , H. : Balık Hastalıkları , Selcuk Üniversitesi Basım Evi, Konya, 2002 |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic biological and physiological features of productible fisheries ( Rainbow trout, Seabream, Seabass, Shrimp, mussel, oy | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 2 | Basic principles of Rainbow trout, Seabream, bream and Seabass production | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 3 | Basic principles of Shrimp, mussel, oyster, crayfish and lobster production | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 4 | Systematical examination methods in Fish diseases a) Antemortem examination in fishes, Postmortem examination in fishe | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 5 | Transport procedure of sick fish and tissue samples in diagnosis of fish diseases | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 6 | Bacterial fish diseases: aetiology, epizootiology, pathogenesis, clinical and necropsy findings, microbiological diagnosis, pre | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 7 | Bacterial diseases: aetiology, epizootiology, pathogenesis, clinical and necropsy findings, microbiological diagnosis, prevent | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 8 | Midterm exam | | |
| 9 | Bacterial diseases: aetiology, epizootiology, pathogenesis, clinical and necropsy findings, microbiological diagnosis, prevent | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 10 | Viral diseases: aetiology, epizootiology, microbiological diagnosis, prevention and control strategies of viral hemorrhagic se | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 11 | Viral diseases: aetiology, epizootiology, microbiological diagnosis, prevention and control strategies of , infectious salmon a | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 12 | Fungal diseases: pathogenesis, clinical, necropsy findings, prevention and control strategies of, saprolegniasis, ichtiyosporic | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 13 | Protozoan infections of freshwater and seawater fish | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 14 | Plathelmithes and nemathelminthes parasitizing freshwater and seawater fish | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 15 | Important protozoan, plathelmithes and nemathelminthes infections in molluscs and shellfish | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | 1. the parasitological diseases of fish and other fisheries, gains knowledge about the diagnosis, treatment and prophylaxis of these diseases |
| C02 | 2. the bacterial, viral and fungal diseases of fish and other fisheries, gains knowledge about the laboratory diagnosis, treatment and prophylaxis of these diseases |
| C03 | 3. the aetiology, pathogenesis, macroscopic and microscopic diagnosis of infectious, nutritional, metabolic, toxicological and neoplastic diseases of fish and other other fisheries |
| C04 | how to describe lesions of these diseases and prepare oral and written reports |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 4 | 2 | 8 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 5 | 5 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 1 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 2 | 1 | 2 | 3 | 2 | 4 | 3 | 2 |
| C01 | 4 | 4 | 2 | 1 | 4 | 5 | 5 | 3 | 4 | 2 | 1 | 2 | 1 | 3 | 2 | 3 | 4 | 4 | 2 |
| C02 | 5 | 4 | 3 | 1 | 4 | 4 | 5 | 4 | 3 | 3 | 1 | 2 | 1 | 2 | 3 | 2 | 4 | 3 | 3 |
| C03 | 4 | 5 | 4 | 1 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 2 | 1 | 3 | 3 | 2 | 4 | 4 | 2 |
| C04 | 5 | 5 | 5 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 1 | 2 | 3 | 2 | 4 | 3 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET208 | VIROLOGY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET208 | VIROLOGY-I | 3 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The objectives of this course are to introduce to the students the basic virology and virologic and serologic procedurs.
**Teaching Methods and Techniques:**
Morphology and structure of viruses, Difference of virus and other microorganism, Classification of viruses, Viral replication, Assembly, maturation and egress of viruses from infected cell, Increase the number of virus, Isolation and identification of viruses, Viral isolation from tissue sample , Titration and calculation of viral titer, Diagnostic tests for viruses and viral diseases, Monoclonal antibodies, İnterference and İnterferon, Viral Genetics, Pathogenesis of viral diseases, İn vivo and in vitro environment, Laboratory animals, Virus inoculation methods to cell culture, Differantion in embryo ckicken egg when inoculated virus, Cell cultures, Preparing of primer cell culture, Permanent cell culture, Conservation and storage of cell culture, resolve of freezing cell, Virus isolation from tissue culture, Virus isolation form blood and feces, Propagation of virus in cell culture, Virus inoculation methods to cell culture, Inclusion bodies, Filtration of viruses
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | GENEL VİROLOJİ (Prof.Dr.Feridun ÖZTÜRK,2002) |
| **Resources** | : | Genel Viroloji Ders Notları: Prof. Dr. İbrahim Burgu, Prof. Dr. Yılmaz Akça, AÜ Basımevi, 2003. 2. Özel Viroloji Ders Notları: Prof. Dr. İbrahim Burgu, |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Morphology and structure of viruses | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 2 | Difference of virus and other microorganism | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 3 | Classification of viruses | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 4 | Viral replication | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 5 | Assembly, maturation and egress of viruses from infected cell | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 6 | Increase the number of virus | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 7 | Isolation and identification of viruses | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 8 | Mid term exam | | |
| 9 | Viral isolation from tissue sample | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 10 | Titration and calculation of viral titer | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 11 | Diagnostic tests for viruses and viral diseases | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 12 | Monoclonal antibodies | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 13 | Interference and Interferon | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 14 | Viral Genetics | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |
| 15 | Pathogenesis of viral diseases | Study on the lesson | Genel Viroloji Ders Notları: Prof. Dr. İbra |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Description of virus and determine of stracture and infectivity of virus |
| C02 | Learning development of viral infections in an organizm |
| C03 | Learnind techniques for the diagnosis of viral etiology |
| C04 | Learning about important points while sending of samples to laboratory |
| C05 | Development aspect of solve problems relating to above subjects |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 8 | 8 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 1 | 5 | 4 | 1 | 3 | 2 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 5 | 5 |
| C01 | 5 | 5 | 5 | 5 | 1 | 5 | 4 | 1 | 3 | 2 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 5 | 5 |
| C02 | 5 | 5 | 5 | 5 | 1 | 5 | 4 | 2 | 3 | 2 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 5 | 5 |
| C03 | 5 | 5 | 5 | 5 | 1 | 5 | 4 | 2 | 3 | 2 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 5 | 5 |
| C04 | 5 | 5 | 5 | 5 | 1 | 5 | 4 | 1 | 3 | 2 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 5 | 5 |
| C05 | 5 | 5 | 5 | 5 | 1 | 5 | 4 | 1 | 3 | 2 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET218 | FEEDS AND FEEDS TECHNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET218 | FEEDS AND FEEDS TECHNOLOGY | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Teaching animal feeds, feed processing, nutrient contents, feed analysis and feed additives
**Teaching Methods and Techniques:**
Theoretical and practical training of the necessary knowledge and skills for veterinarians candidates according to the type of animal nutrition
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yalçın, S., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Yemler, Yem Hijyeni ve Teknolojisi. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 10 | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 25 |
| **Social Sciences** | : | | **Field** | : | 65 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction, Nutrients | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 2 | Nutrients | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 3 | Nutrients values of Feeds, Chemical analysis, digestibility | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 4 | Determination of feeds digestibility, Factor affecting the digestibility | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 5 | Determination of feeds digestibility, Factor affecting the digestibility | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 6 | Feeds, dry forage feeds, pasture forages, Other green feeds | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 7 | Feeds, Dry forage feeds, Pasture forages, other green feeds | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 8 | Feeds, dry forage feeds, Pasture forages, Other green feeds | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 9 | Silage | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 10 | High protein and high energy feeds | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 11 | High protein and high energy feeds | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 12 | Feed additives | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 13 | Feed additives | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 14 | Feed processing | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learn and recognize of feedstuffs |
| C02 | Knowledge about feed analysis methods |
| C03 | Learn and knowledge nutrient contents of feeds and feedstuffs widely used in animal nutrition |
| C04 | Knows the effects on the metabolism of different species of animal of feedstuffs |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 13 | 13 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 3 | 2 | 1 | 1 | 5 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 4 | 1 | 3 | 3 | 1 | 1 | 4 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 4 | 2 | 1 | 1 | 5 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 1 | 4 | 2 | 1 | 1 | 5 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 5 | 2 | 1 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET210 | ANIMALBREEDNG-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 4 | VET210 | ANIMALBREEDNG-II | 5 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Sheep, goats , chickens and to provide basic information to students in pig breeding issues. According to the types of pet breeds , morphological and physiological characteristics, growing conditions, shelter and landscaping.
**Teaching Methods and Techniques:**
Includes general informations sheep and goat breeds in the World and Turkey, sheep and goat barns, breeding knowledge and technical works, hen breeds, hen hutchs, hutch conditions, equipments, breeding mthods, broiler and laying hens incubation and incubation technology.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1) AKÇAPINAR Halil (1994). Koyun Yetiştiriciliği. Anakara Üniversitesi Veteriner fakültesi, Ankara 2) KAYMAKÇI Mustafa, AŞKIN Yücel (1997). Keçi Y |
| **Resources** | : | 1) AKÇAPINAR Halil (1994). Koyun Yetiştiriciliği. Anakara Üniversitesi Veteriner fakültesi, Ankara 2) KAYMAKÇI Mustafa, AŞKIN Yücel (1997). Keçi Y |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 20 |
| **Social Sciences** | : | | **Field** | : 80 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Economic importance of sheep | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 2 | Domestication of sheep | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 3 | Sheep breeds of Turkey | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 4 | Sheep breeds of World | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 5 | Reproductive Traits of Sheep | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 6 | Management applications in Sheep Husbandry | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 7 | Goat breeding | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 8 | Midterm exam | | |
| 9 | Wool of sheep and mohair of goat knowledge | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 10 | Chicken breeds, Chicken breeding knowledge, Poultry houses and equipments | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 11 | Poultry houses and equipments, Environmental factors in hen houses, Evaluation of egg quality, Behaviour of the chickens, | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 12 | Selection and culling methods, Physiologic needs of chickens | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 13 | Broiler Rearing, Breeder rearing, Layer hen rearing | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 14 | Hatchery knowledge | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 15 | Pig rairing | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | To learn sheep and goat breeds |
| C02 | Getting basic knowledge about sheep-goat barns and technical works |
| C03 | To learn the products obtained in sheep and goat and the caharacteristics of these products |
| C04 | Getting basic knowledge about layer and broiler hen beeds, the breeding of these hen breeds |
| C05 | To learn hutches and hutches conditions |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C03 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | | 1 |
| C05 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET333 | ALTERNATIVE POULTRY BREEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET333 | ALTERNATIVE POULTRY BREEDING | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Students can be defined as alternative poultry quail , partridge and pheasant meat of this species breeds, eggs and brood production and maintenance of different periods , feeding and management methods ensure that information about the owner.
**Teaching Methods and Techniques:**
Partridge, pheasant and quail farming and the importance of features, partridge , pheasant and quail breeds, Hosting, Cluster types and equipment requirements, growth and production characteristics
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Yetiştiriciliği, S. Ü. Vakfı Yayınları, Konya, 2000. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 25 |
| **Social Sciences** | : | | **Field** | : 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | partridge , pheasant and quail production and properties of matter | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 2 | partridge , pheasant and quail place in the zoological classification | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 3 | partridge , pheasant and quail breeds | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 4 | Business site selection | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 5 | Hosting | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 6 | 6 Set types and equipment needs | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 7 | Growth principles | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 8 | Midterm exam | | |
| 9 | Reproductive characteristics | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 10 | Breeding period of maintenance and management of | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 11 | Incubation features | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 12 | Meat and egg production | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 13 | Production Planning | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 14 | Food needs | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |
| 15 | Health protection methods and major diseases | Course of the study subjects planned to | 1. Çetin O., Kırıkçı K : Alternatif Kanatlı Y |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Can be defined as alternative poultry quail , partridge and pheasant recognize the breed. |
| C02 | Said types of poultry meat , eggs and hatching will have information about production. |
| C03 | Business structure with care in different periods of the species , feeding and management will be able to have sufficient information about the shape . |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 1 | 0,50 | 0,50 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5,50 | 5,50 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **30,00** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET301 | ANAESTHESIOLOGY AND REANIMATION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET301 | ANAESTHESIOLOGY AND REANIMATION | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To give information about anesthesia and reanimation methods, and describing all equipment using in anesthesia and reanimation for all kinds of animals
**Teaching Methods and Techniques:**
To give information about anesthesia and reanimation methods, and describing all equipment using in anesthesia and reanimation for all kinds of animals
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veterinary surgical anesthesia and reanimation |
| **Resources** | : | Veterinary surgical anesthesia and reanimation |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 100 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Anesthesia and anesthetic techniques | | |
| 2 | Examination before anesthesia and surgery | | |
| 3 | Preperation of patient for anesthesia | | |
| 4 | Premadication and related drugs | | |
| 5 | General anesthesia and postanesthesia follow-up | | |
| 6 | Inhalation anesthesia and related drugs | | |
| 7 | Injectable drugs in general anesthesia and dissociative anesthesics | | |
| 8 | General anesthesia in equines and farm animals, General anesthesia in domestic animals | | |
| 9 | General anestheisa in chikens, wild animals and exotics | | |
| 10 | Reanimation and anesthetic complications | | |
| 11 | Drugs for reanimation, Local anesthesia | | |
| 12 | Local anesthesia types and local anesthesic drugs | | |
| 13 | Spinal, epidural and paravertebral anesthesia | | |
| 14 | Complications of local anesthesia and neonetal reanimation | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | According to the species of animal used in anesthesia and intensive care medicine and equipment will have the necessary information to be used in the right way. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 3 | 42 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 10 | 10 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET341 | BACTERIAL AND VIRAL ZONES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET341 | BACTERIAL AND VIRAL ZONES | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Bacterial and Viral To define zoonotic diseases and to classify zoonotic diseases, to teach zoonoses fighting program and to help protect animal health, especially public health.
**Teaching Methods and Techniques:**
Classification of zoonotic diseases, identification of bacterial and viral zoonotic diseases, taking necessary precautions and learning the legal regulations.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Textbook: Zoonoses, 2009. Ed.: Doğanay, M., Altıntaş, N. Bilimsel Tıp Yayınevi, Ankara, 1216s. Internet and Veterinary publications. |
| **Resources** | : | Zoonozlar, 2009. Ed.: Doğanay, M., Altıntaş, N. Bilimsel Tıp Yayınevi, Ankara, 1216s. İnternet ve Veteriner yayınları,Zoonoses-Yazarı: Martin Shakes |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Definition of zoonoses, the importance of public health and animal health | | |
| 2 | Importance and classification of zoonoses, related studies of public and private sectors | | |
| 3 | Bacterial Zoonoses | | |
| 4 | Bacterial Zoonoses | | |
| 5 | Bacterial Zoonoses | | |
| 6 | Bacterial Zoonoses | | |
| 7 | Bakteriyel Zoonozlar | | |
| 8 | Midterm | | |
| 9 | Bacterial Zoonoses | | |
| 10 | Viral Zoonoses | | |
| 11 | Viral Zoonoses | | |
| 12 | Viral Zoonoses | | |
| 13 | Viral Zoonoses | | |
| 14 | Prevention of zoonoses | | |
| 15 | legislation in Turkey and other countries | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | To teach bacterial zoonosis diseases |
| C02 | To teach viral zoonotic diseases |
| C03 | Control and protection measures of zoonotic diseases |
| C04 | To teach current legislation about zoonotic diseases |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C02 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C03 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C04 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET309 | PHARMACOLOGY-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET309 | PHARMACOLOGY-I | 4 | 3 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Introduction to pharmacology Definitions, properties and sourches of drug, The pharmacokinetic and pharmacodinamics The basic principles of drug therapy
**Teaching Methods and Techniques:**
Pharmacokinetic and pharmacodynamics, The adverse effects of drugs, Drugs acting on the autonomic nervous system, Drugs acting on the central nervous system, Drugs acting on the cardiovascular system and digitalis, Antihistaminics, Drugs acting on the cardiovascular system and digitalis, Local anesthetics, Behavioral disorder drugs
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Farmakoloji I ders notu (B.Traş, M.Elmas, Yazar.E, 2010) |
| **Resources** | : | Genel Farmakoloji Ceylan,S., 2003 ,Veteriner Farmakoloji Cilt I, 4. baskı, Kaya S, 2006 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General PharmacologyBasic Expectation in Drug UseMain Features of Drug EffectBranches of PharmacologySOURCES OF D | | Veterinary Pharmacology and Therapeut |
| 2 | Pharmacokinetic Absorption, rate of absorption and influencing factorsDrug Administration RoutesBioavailabilityFactors affe | | Veterinary Pharmacology and Therapeut |
| 3 | Absorption level interactionsDistributions of drugsTransition to tissues and distributionIon trap phenomenonDistribution kin | | Veterinary Pharmacology and Therapeut |
| 4 | BiotransformationHepatic Clearance of Drugs and Changes in Liver DiseasesExcretion of drugs (kidney, liver, bile, sweat ex | | Veterinary Pharmacology and Therapeut |
| 5 | EXCLUSION OF DRUGS(Excretion from kidneys, liver with bile, lungs and other excretion routes)Elimination Half-LifeRelatic | | Veterinary Pharmacology and Therapeut |
| 6 | Dose-Concentration RelationshipDose-Effect and Concentration-Effect RelationshipDrug Selectivity (Selectivity)Relationship | | Veterinary Pharmacology and Therapeut |
| 7 | MECHANISMS OF ACTION OF DRUGSRECEPTORS AND DRUG-RECEPTOR RELATIONSHIPTHEORIES OF DRUG RECEPTOR I | | Veterinary Pharmacology and Therapeut |
| 8 | MECHANISMS THAT CHANGE THE EFFECT OF DRUGSTOLERANCE, tachyphylaxis, and insensitivityPharmacokinetic interact | | Veterinary Pharmacology and Therapeut |
| 9 | Autonomic Nervous System | | Farmakoloji I ders notu (B.Traş, M.Elma |
| 10 | Autonomic Nervous System | | Veterinary Pharmacology and Therapeut |
| 12 | Local anesthetics | | Veterinary Pharmacology and Therapeut |
| 13 | Antihistamines | | Veterinary Pharmacology and Therapeut |
| 14 | Behavioral disorder drugs | | Veterinary Pharmacology and Therapeut |
| 15 | Drugs acting on the central nervous system | | Veterinary Pharmacology and Therapeut |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Properties of the drugs acting body systems |
| C02 | Doses and usage drugs in the patients animal |
| C03 | The correct and conscious drug use |
| C04 | The correct and conscious drug use |
| C05 | Prescription writing with lesson topics in practise |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 13 | 13 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **105** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C01 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C02 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 1 | 3 | 4 | 4 | 2 | 2 | 2 | 5 |
| C03 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C04 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C05 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET315 | ANIMAL FEEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET315 | ANIMAL FEEDING | 4 | 3 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach the feeding of domestic animals, farm animals and laboratory animals, to teach the formulation of diets for different animals.
**Teaching Methods and Techniques:**
Log in Animal Nutrition , Nutrition Laying Chicken, Broiler Nutrition , Nutrition of Dairy Cattle, Beef Cattle Nutrition , Nutrition of the Dog and Cat , Feeding Horses , sheep and goats Nutrition
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yalçın, S., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hasta |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 25 |
| **Social Sciences** | : | | **Field** | : 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction of Animal Nutrition | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 2 | Nutrition of Laying Hens | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 3 | Nutrition of Broilers | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 4 | Nutrition of Turkeys, Ducks, Geese, Pheasants, Quails, Partridges, Pigeons | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 5 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 6 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 7 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 8 | Midterm exm. | | |
| 9 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 10 | Nutrition of Beef Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 11 | Nutrition of Dogs and Cats | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 12 | Mid-term Exam | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 13 | Nutrition of Horses | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 14 | Nutrition of Sheep | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 15 | Nutrition of Goats | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | It learns more widely to nutrition of different animal species |
| C02 | It will have information on animal nutrition for evaluation of nutrient metabolism |
| C03 | It learns more widely to nutrition of different animal species |
| C04 | It knows the ways of protection and metabolic diseases induced by feeding in the animals |
| C05 | It learns that the maximum benefit from available feed resources and determines to their nutrient and energy requirements according to their different periods of farm animals |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **105** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 3 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| C04 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C05 | 4 | 4 | 1 | 1 | 2 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET321 | INTRODUCTION TO DOMESTIC DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET321 | INTRODUCTION TO DOMESTIC DISEASES | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
This course aims to explaine physical examination diagnostic tools used in veterinary internal medicine in order to make clinical findings, diagnose therapy in farm domestic animals.horses
**Teaching Methods and Techniques:**
1) Teaching how to approach handle the animals for examinaton, 2) Teaching the methods tools used in internal medicine, 3) Teaching the systematic examination of the farm domestic animals.
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Özgür yaşar ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner İç Hastalıklarında Klinik Muayene, Başoğlu A, Bahçıvanlar Basım, Konya, 1998. - Veteriner İç Hastalıklarına Giriş, İmren, HY, Medisan, Ank |
| **Resources** | : | Veteriner İç Hastalıklarında Klinik Muayene, Başoğlu A, Bahçıvanlar Basım, Konya, 1998. - Veteriner İç Hastalıklarına Giriş, İmren, HY, Medisan, An |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | A few concepts and introduction to the diagnostic process | | Hastalıklarına Giriş, İmren, HY, Medisan, |
| 2 | Methods and instruments | | - Veteriner İç Hastalıkla |
| 3 | The history | | - Veteriner İç Hastalıklarında Klinik Muay |
| 4 | General impression | | - Veteriner İç Hastalıklarında Klinik Muay |
| 5 | Outline of the gereal examination and initiation of general examination | | - Veteriner İç Hastalıklarında Klinik Muay |
| 6 | Restrain and preparation of farm and domestic animals | | - Veteriner İç Hastalıklarında Klinik Muay |
| 7 | Examination of the respiratory system of farm and domestic animals | | - Veteriner İç Hastalıklarında Klinik Muay |
| 8 | midterm exam | | |
| 9 | Examination of the circulatory system of farm and domestic animals | | Veteriner İç Hastalıklarında Klinik Muaye |
| 10 | Examination of the digestive tract and liver of farm and domestic animals | | Veteriner İç Hastalıklarında Klinik Muaye |
| 11 | Examination of skin and hair of farm and domestic animals | | - Veteriner İç Hastalıkla |
| 12 | Examination of the kidneys and urinary tract of farm and domestic animals | | - Veteriner İç Hastalıkla |
| 13 | Examination of endocrine glands of farm and domestic animals | | - Veteriner İç Hastalıkla |
| 14 | Examination of nervous system of farm and domestic animals | | - Veteriner İç Hastalıkla |
| 15 | Collection of material for the laboratory diagnisis | | - Veteriner İç Hastalıkla |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | describe normal anatomic histological structures of the organs tissues of the different animal species have ability to recognize the ones that are not normal, |
| C02 | analyze how the animal organism metabolism is what are the normal values of a normal organism, recognize the abnormal values decide the treatment method, |
| C03 | list the infectious the non- infectious factors causing diseases uses the identification methods, |
| C04 | define alternative maintenance feeding programmes according to expected yield type makes this through different animal species maintenance styles |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 7 | 3 | 21 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 13 | 13 |
| Practice | 14 | 2 | 28 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 4 | 4 | 1 | 4 | 4 | 1 | 4 | 1 | 1 | 1 | 3 | 3 | 4 | 1 | 1 | 2 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET323 | IMMUNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET323 | IMMUNOLOGY | 3 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Understanding the tissues of the immune system, the complement system, antigen presentation, T and B cell reponses, immunities to newborn and at body surfaces, tolorance, deficiencies, immunodiagnostic methods is aimed . At the end of the period, students are expected to explain involvement of immune system in health and disesase by mechanisms.
**Teaching Methods and Techniques:**
History of Immunology, Acquired immunity, antigens, Ontogeny, Immunoglobulines, Genetic basis of antibody diversion, Cellular Immunity, Vaccines, sera, and measurements of antibodies, Autoimmunity and autoimmune diseases, Immune deficiencies, Detection of immunity, Mucosal Immunity and fertilization, Resistance to tumors, İmmunomodulation, Tissue transplantation
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | İMMÜNOLOJİ (2003) Erganiş O, İstanbulluoğlu E, 3.baskı, Selçuk Ün.Basımevi, Konya. |
| **Resources** | : | VETERINARY IMMUNOLOGY (2008) Tizard I. 8th Ed. Saunders Co., USA.,ORAL MİKROBİYOLOJİ ve İMMÜNOLOJİ (2003) Erganiş O, Öztürk A. Nobe |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | History of Immunology | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 2 | Acquired immunity, antigens | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 3 | Ontogeny | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 4 | Immünglobuliner ve Antikorlar | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 5 | Cellular Immunity | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 6 | Vaccines, sera, and measurements of antibodies | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 7 | Autoimmunity and autoimmune diseases | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 8 | Examination | Preparations for the exam | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 9 | Immune deficiencies | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 10 | Detection of immunity | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 11 | Mucosal Immunity and fertilization | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 12 | Resistance to tumors | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 13 | İmmunomodulation | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 14 | Tissue transplantation | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 15 | Tissue transplantation | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Getting basic knowledge about structure and functions of immune system |
| C02 | Comprehending functions of cell mediated and humoral immunity and to understand its role in body?s defense |
| C03 | Understanding immunity to infectious agents in farm animals |
| C04 | Interpretation the mechanism of hypersensitivity and otoimmune reactions |
| C05 | Performing immunological diagnostic test methods |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 7 | 7 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |
| C01 | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |
| C02 | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |
| C03 | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |
| C04 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |
| C05 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET327 | COMBINED FEED FOR TECHNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET327 | COMBINED FEED FOR TECHNOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Livestock Forage teach and production technologies used in nutrition .
**Teaching Methods and Techniques:**
Feed and covers issues related to production technologies.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Ergül,M. Karma yem ve karma yem teknolojisi. 1994. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 25 |
| **Social Sciences** | : | | **Field** | : 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Structure and properties of feed mill | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 2 | Operation of feed mill technique | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 3 | Feed mill in the supply of raw materials and production | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 4 | Ensiling | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 5 | Stirring and mixing stability | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 6 | Pellet feed production | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 7 | Factors affecting physical properties of pellet | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 8 | Packaging | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 9 | Quality and control in mixed feed | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 10 | Dehomogenization of mixed feed | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 11 | The quality control in mixed feed | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 12 | Storage of raw materials | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 13 | Storage of mixed feed | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |
| 14 | Formulation of mixed feed production | Course of the study subjects planned to | Ergül,M. Karma yem ve karma yem tekn |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The raw materials used in the production of mixed feed the ability to be able to recognize |
| C02 | Mixed feed production technology the ability to learning and innovation |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 4 | 1 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 5 | 1 | 1 | 1 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C02 | 4 | 3 | 1 | 4 | 1 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET339 | MANDA CULTIVATION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET339 | MANDA CULTIVATION | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Turkey and the World Water Buffalo Breeding and mandadan of having obtained information about products,
**Teaching Methods and Techniques:**
Mandate types of uses, Turkey and buffalo breeding in the world, mainly buffalo races, buffalo reproduction, feeding of buffalo, buffalo and equipment shelter
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. Tuncay TUFAN
**Instructors:**
Asist Prof.Dr. Memiş BOLACALI
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH. FAO REGIONAL OFFICE FOR EUROPE INTERREGIONAL COOPERATIVE RESEAR |
| **Resources** | : | Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH. FAO REGIONAL OFFICE FOR EUROPE INTERREGIONAL COOPERATIVE RESEAR |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The state of the world and raising buffalo in Turkey | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 2 | Some features of buffalo exterior appearance | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 3 | World and Turkey buffalo breeds | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 4 | World and Turkey buffalo breeds | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 5 | Buffalo reproduction | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 6 | Buffalo reproduction | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 7 | Buffalo cub growth | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 8 | Midterm | | |
| 9 | Buffalo yield specifications | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 10 | Manda care-management | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 11 | Feeding buffalo | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 12 | Water buffalo milk and meat industry | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 13 | Buffalo products | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 14 | Protection of buffalo disease | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |
| 15 | Protection of buffalo disease | Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRO | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Having knowledge about the uses of buffalo buffalo breeding species in the world and Turkey |
| C02 | Ability to recognize and know buffalo breeds |
| C03 | Knowing the breeding and feeding of the buffalo |
| C04 | To have information about buffalo products |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C03 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET335 | VOCATIONAL ENGLISH-V | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET335 | VOCATIONAL ENGLISH-V | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach students the English and Turkish equivalents of general terminology in related fields-to gain the ability to understand the parts of the profession
**Teaching Methods and Techniques:**
This course is a continuation of the vocational English IV course, which gives students the ability to teach general terminology in English and Turkish equivalents in related fields and to understand the parts of the profession.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 2 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 3 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 4 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 5 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 6 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 7 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 8 | mid term exam | Course of the study subjects planned tc | Medical Passages & Vocabulary for ÜDS |
| 9 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 10 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 11 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 12 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 13 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 14 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 15 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning English terminology that can be encountered throughout the professional life. |
| C02 | To gain the ability to understand medical articles at intermediate and advanced levels. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 2 | 2 |
| **Total Work Load** | | | **63** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET329 | ORGANIC ANIMAL FEEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET329 | ORGANIC ANIMAL FEEDING | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To promote organic food , organic and teach the general properties of inorganic nutrients , to teach the digestion and absorption of organic nutrients ,
**Teaching Methods and Techniques:**
Organic animal feed and organic feed production
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1) Polat,E.S. (2008) Organik Hayvan Besleme Ders Notu Pond, P.g., Churh,P.D., Pond,K.R., 1997 Basic Animal Nutrition and Feeding.Jhon Wiley a |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 25 |
| **Social Sciences** | : | **Field** | : | 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction of Organic Animal Nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 2 | Importance of Organic Animal Nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 3 | Production to organic feedstuffs - I | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 4 | Production to organic feedstuffs - II | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 5 | Feedstuffs that use the organic animal nutrition - I | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 6 | Feedstuffs that use the organic animal nutrition - II | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 7 | Organic broiler nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 8 | Midterm exm. | | |
| 9 | Organic laying hens nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 10 | Organic nutrition for the other avians | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 11 | Organic dairy cattle nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 12 | Organic fattening cattle nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 13 | Organic sheep and goat nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 14 | Organic sheep and goat nutrition | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |
| 15 | Organic nutrition for the other ruminants | Course of the study subjects planned to 1) Polat,E.S. (2008) Organik Hayvan Bes | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Organic nutrition of ruminant animals and poultry have enough information to related |
| C02 | Organic nutrition of ruminant animals and poultry have enough information to related |
| C03 | Organic nutrition of ruminant animals and poultry have enough information to related |
| C04 | Organic nutrition of ruminant animals and poultry have enough information to related |
| C05 | Applying organic feeding of ruminants and poultry |
| C06 | Applying organic feeding of ruminants and poultry |
| C07 | Applying organic feeding of ruminants and poultry |
| C08 | Applying organic feeding of ruminants and poultry |
| C09 | Organic nutrition of ruminant and poultry related scientific and technological developments to track and gain the ability to transfer these animals able to produce. |
| C10 | Organic nutrition of ruminant and poultry related scientific and technological developments to track and gain the ability to transfer these animals able to produce. |
| C11 | Organic nutrition of ruminant and poultry related scientific and technological developments to track and gain the ability to transfer these animals able to produce. |
| C12 | Organic nutrition of ruminant and poultry related scientific and technological developments to track and gain the ability to transfer these animals able to produce. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C01 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C04 | 3 | 5 | 1 | 1 | 2 | 1 | 1 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C06 | 4 | 4 | 1 | 1 | 2 | 1 | 1 | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C07 | 5 | 2 | 1 | 1 | 3 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C08 | 3 | 5 | 1 | 1 | 2 | 1 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C09 | 4 | 5 | 1 | 1 | 3 | 1 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C10 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C11 | 4 | 3 | 1 | 1 | 3 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C12 | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET313 | PATHOLOGY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET313 | PATHOLOGY-II | 4 | 3 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To explain the macroscopic and microscopic features, aetiology and pathogenesis of the diseases, classification of diseases according to the animal species and organs in related systems (veterinary oncology, digestive system, hepatobiliary system, respiratory system).
**Teaching Methods and Techniques:**
General information about tumors, causes and clinicopathologic effects of tumors, Diagnosis and treatment principles of tumors, epithelial and mesenchymal tumors, Melanocytic, nervous, lymphoid and haemop. systems, and mix tumors, Pathology of oral cavity, Tonsils, pharynx, esophagus pathology, Forestomachs and stomach pathology, Small and large intestine pathology, The liver and biliary system pathology, The liver and biliary system pathology, Pancreas, peritoneum and peritoneal cavity pathology, Trachea, bronchi and bronchioli pathology, Pneumonias, Pleura and thoracal cavity pathology
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZGÜL GÜLAYDIN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner Sistemik Patoloji- Ders Notu Veteriner Onkoloji (Erer. H., Kıran, M.M.) |
| **Resources** | : | Veterinary systematic pathology I-II |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Veterinary Oncology - General information about tumors, causes and clinicopathologic effects of tumors | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 2 | Veterinary Oncology ? Diagnosis and treatment principles of tumors, epithelial and mesenchymal tumors | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 3 | Veterinary Oncology - Melanocytic, nervous, lymphoid and haemop. systems, and mix tumors | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 4 | Alimentary system ? Pathology of oral cavity | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 5 | Alimentary system ? Tonsils, pharynx, esophagus pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 6 | Alimentary system ? Forestomachs and stomach pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 7 | Alimentary system ? Small and large intestine pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 8 | Midterm | | |
| 9 | Alimentary system ? The liver and biliary system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 10 | Alimentary system ? The liver and biliary system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 11 | Alimentary system ? Pancreas, peritoneum and peritoneal cavity pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 12 | Respiratory system ? Trachea, bronchi and bronchioli pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 13 | Respiratory system ? Pneumonias | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 14 | Bone and joint pathology - Metabolic, degenerative, inflammatory disorders and tumors | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 15 | Bone and joint pathology - Metabolic, degenerative, inflammatory disorders and tumors | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | They knows macroscopic-microscopic findings of described the systems disease and the diagnosis |
| C02 | Etiology and pathogenesis of infectious diseases have knowledge about. |
| C03 | Anomalies of the organs involved in the system, circulatory and metabolic disorders, degenerative and necrotic changes learns. |
| C04 | System neoplastic and parasitic diseases of organs to learn about. |
| C05 | Basis of disease and pathogenesis through learning, herd health and prognosis ability to win a general review. |
| C06 | Evaluating pathological changes in the organs of all makes diagnosis and prevention of diseases learns. |
| C07 | Diseases of the organs according to the lesions duly sends the samples to laboratories about taking. |
| C08 | Carcasses and organs of slaughtered animals examined macroscopically lesions observed in disease diagnosis and evaluate the outcome in terms of public health. |
| C09 | Causes of tumor, macroscopic and microscopic appearance with the exact knowledge about the diagnosis and prognosis. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 4 | 60 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 24 | 24 |
| **Total Work Load** | | | **124** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C01 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C03 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C04 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C05 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C06 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C07 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C08 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| C09 | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET331 | PET ANIMAL BREEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET331 | PET ANIMAL BREEDING | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Egzotic general characteristics of animals, care, shelter , reproduction , providing information about nutrition and behavior
**Teaching Methods and Techniques:**
Egzotic general characteristics of animals, care, shelter , reproduction , nutrition and behavior
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1) POYRAZ Öznur (2000). Laboratuvar Hayvanları Bilimi. Ankara Üniversitesi Veteriner Fakültesi, Ankara. 2)KURU M (1987). Omurgalı hayvanlar Ata |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 25 |
| **Social Sciences** | : | | **Field** | : 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 2 | The classification of exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 3 | General characteristics of cold-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 4 | Reproduction of Warm-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 5 | Shelter cage and types features of Cold-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 6 | Taking care of offspring of the Cold-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 7 | Taking care of Cold-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 8 | Midterm exam | | |
| 9 | Behavior of cold-blooded Exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 10 | General characteristics of warm-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 11 | Reproduction of Warm-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 12 | Type, shelter cage and features of warm-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 13 | Taking care of Warm-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 14 | Taking care of offspring of the warm-blooded exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |
| 15 | Behavior of warm-blooded Exotic animals | Course of the study subjects planned to | 1) POYRAZ Öznur (2000). Laboratuvar H |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | General characteristics of exotic animals Exotic animals and shelters |
| C02 | Exotic animal care and shelters |
| C03 | Reproduction, nutrition, and provide information on the behavior of Exotic animals |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 |
| C03 | 4 | 5 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET311 | PROTOZOOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET311 | PROTOZOOLOGY | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The aim of the Protozoology are give lessons about the protozoal diseases of animals. The student are offered both theorical and practical informations in the preclinical scope.
**Teaching Methods and Techniques:**
Definition, aim and Importance of Protozoology, Morphology of Protozoa, Cell membrane (Plasmalemma, Pellicula), Cytoplasmic features, Cytostome and related organels, Locomotion organels (Cilium, flagella, pseudopoda), Balance organels (Axostyl, Costa),Physiology Of Protozoa, Movement, Feeding, Starvation, Respiration, Secretion and Excretion, Reproduction, Colonisation, Encystmen, Regeneration, Ecology, Transmisson of Protozoa Infections, Immunity, Diagnosis, Classification of Parasitic Protozoa, Trypanosoma and Leishmania species; morphology, biology, epidemiology, clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control,Giardia and Hexamita, Histomonas, Monocercomonas and Costia, Trichomonas and Tritrichomonas, Retortamonas and Chilomastix, Cochlosoma anatis morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control, Entamoeba, Endolimax, Dientamoeba ve Iodamoeba, Acanthomoeba, Harmannella, Naegleria and Wahlkampfia species morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control,Eimeria, Isospora, Cystoisospora, Tyzzeria, Caryospora species and Klossiella equi; morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control, Cryptosporidium, Toxoplasma, Besnoitia and Hammondia species; morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control, Sarcocystis, Frenkelia and Neospora species and Hepatozoon canis; morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control, Plasmodium, Haemoproteus and Leucocytozoon, Babesia,Theileria species morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control, Nosema species and Balantidium coli; morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control, Anaplasmosis, Anaplasma, Ehrlichia, Eperytrozoon, Haemobartonella and Aegyptianella species; morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner Protozooloji, Tüzer E, Toparlak M. İsatanbul Üniversitesi, 2000 2. Veteriner Protozooloji, Dumanlı N, Karaer Z. 2010 |
| **Resources** | : | textbook of protozoology |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Definition, aim and Importance of ProtozoologyMorphology of ProtozoaCell membrane (Plasmalemma, Pellicula): Cytoplasn | | Veteriner Protozooloji, Tüzer E, Toparla |
| 2 | Balance organels (Axostyl, Costa),Physiology Of Protozoa-Movement, Feeding, Starvation, Respiration | | Veteriner Protozooloji, Tüzer E, Toparla |
| 3 | • Secretion and Excretion• Reproduction• Colonisation • Encystmen: • Regeneration • Ecology | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 4 | Transmisson of Protozoa InfectionsImmunityDiagnosisClassification of Parasitic Protozoa | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 5 | Trypanosoma and Leishmania species; morphology, biology, epidemiology, clinical symptoms of the sick animals, patholog | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 6 | • Giardia and Hexamita • Histomonas, Monocercomonas andCostia• Trichomonas andTritrichomonas | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 7 | Entamoeba, Endolimax, Dientamoeba and Iodamoeba, Acanthomoeba, Harmannella, Naegleria and Wahlkampfia species n | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 8 | Midterm exam | | |
| 9 | Eimeria, Isospora, Cystoisospora, Tyzzeria, Caryospora species and Klossiella equi; morphology, biology, epidemiology, the | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 10 | Cryptosporidium, Toxoplasma, Besnoitia and Hammondia species; morphology, biology, epidemiology, the clinical symptom | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 11 | Sarcocystis, Frenkelia and Neospora species and Hepatozoon canis; morphology, biology, epidemiology, the clinical sympto | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 12 | Plasmodium, Haemoproteus and Leucocytozoon, Babesia, Theileria species morphology, biology, epidemiology, the clinical | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 13 | Nosema species and Balantidium coli; morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathol | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 14 | Anaplasmosis | | Veteriner Protozooloji, Tüzer E, Toparlak |
| 15 | Anaplasma, Ehrlichia, Eperytrozoon, Haemobartonella and Aegyptianella species; morphology, biology, epidemiology, the c | | Veteriner Protozooloji, Tüzer E, Toparlak |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Identifying protozoa |
| C02 | Knowing protozoa disease |
| C03 | Treating protozoa disease |
| C04 | Diagnosing protozoa |
| C05 | Understanding the importance of Protozoa |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |

| | |
|---|---|
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 13 | 13 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **105** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 2 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |
| C01 | 5 | 2 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |
| C02 | 5 | 2 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 2 | 1 | 5 | 5 |
| C03 | 5 | 2 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |
| C04 | 5 | 2 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 1 | 1 | 5 | 5 |
| C05 | 5 | 2 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET319 | RADIOLOGICAL | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET319 | RADIOLOGICAL | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
General information about surgical diseases, diagnosis and treatment methods
**Teaching Methods and Techniques:**
radiological examination of surgical diseases in animals
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Small animal surgery, veteriner şirurji |
| **Resources** | : | gj |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Inflamation | | |
| 2 | Abscess and necrosis | | |
| 3 | Combustio and congelatio | | |
| 4 | Atrophies | | |
| 5 | Yara, yara iyileşme tipleri ve dönemleri ile tedavileri | | |
| 6 | Ulcus, fistula and contusio | | |
| 7 | Hernia | | |
| 8 | Wound and wound healing | | |
| 9 | Actinomycosis and actinobacillosis | | |
| 10 | Skin and connective tissue | | |
| 11 | Bursitis | | |
| 12 | Muscle, tendon and tendovagina | | |
| 13 | Arteria, vein and lymph | | |
| 14 | Joint diseases, Periost and bone diseases | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | To have information about Introduction to Surgical diseases in animals. |
| C02 | Understanding diagnostic methods in Surgical diseases. |
| C03 | When and implementation of knowledge about treatment criteria in Surgical diseases. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 13 | 2 | 26 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 10 | 10 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET343 | ULTRASOUND | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET343 | ULTRASOUND | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to teach the methods of imaging diagnosis at practical level. It is also intended as the complete ultrasound and other imaging techniques used frequently in reproduction.
**Teaching Methods and Techniques:**
Basic Imaging Techniques, Ultrasound Physics-I (Physical Properties Of Sound) Ultrasound physics-III (artefact), ultrasound physics-IV (artefact), ultrasound Physics-v (basic interpretation techniques), ultrasound examination techniques, technological developments in ultrasound-I, technological developments in Ultrasound-II, ultrasound of genital organs (examination of ovaries), ultrasound of genital organs (examination of uterus), ultrasound of genital organs in cows (examination of ultrasonography and Fetometry), ovum pick-up/Opu in cows (examination of ovary organs),, folliculosynthesis, Use of ultrasonography in increasing reproductive efficiency in cows, use of ultrasonography in sheep and goats for reproductive purposes.Reproductive use of ultrasonography in Mare, reproduction of ultrasonography in cats and dogs, reproduction of ultrasonography in pigs, reproduction of breast ultrasonography in pets, reproduction of other imaging techniques.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Ultrason Fiziği ve İneklerde Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultrasongraphy (Horse, Cattle, Sheep, Goat, Pig, dog,cat |
| **Resources** | : | Ultrason Fiziği ve İneklerde Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultrasongraphy (Horse, Cattle, Sheep, Goat, Pig, dog,cat |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 100 |
| **Social Sciences** | : | | **Field** | : | 0 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic Techniques Of Techniques. | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 2 | Ultrasound Physics-I (Physical Properties Of Sound)Ultrasound Physics-II (show formats-modes)Ultrasound physics-III (arti | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 3 | Examination techniques with ultrasonography. | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 4 | Technological Developments in Ultrasonography-ITechnological Developments in Ultrasonography-II | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 5 | Ultrasonography of the Genital Organs in the Cows (Examination of Ovariums)Ultrasonography of Genital Organs in the Co | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 6 | Ultrasonography of Genital Organs in the Cow (Ultrasonographic Biometry and Fetometry) | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 7 | OVUM PICK-UP / OPU, Folliculosentesis in cow | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 8 | Midterm exam | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 9 | Use of Ultrasonography to Increase Reproductive Efficiency in Cows | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 10 | Use of Ultrasonography for Reproductive Purpose in Sheep and Goats | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 11 | The Use of Ultrasonography for Reproductive Purposes in Mares | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 12 | The Use of Ultrasonography for Reproductive Purposes in Cat and Dogs | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 13 | Use of Ultrasonography in Reproductive Purposes in Pigs. | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 14 | Ultrasonography of the mammary in domestic animals | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 15 | Use of Other Imaging Techniques for Reproductive Purposes | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | will have knowledge about basic imaging techniques. |
| C02 | to learn about ultrasound physics and the working principle of ultrasound device. |
| C03 | the cows will have information about ultrasound and ovarian and uterus examination. |
| C04 | will be informed about the use of ultrasonography in increasing reproductive efficiency in Imeks. |
| C05 | sheep and goats will have information about the use of ultrasound for reproductive purposes. |
| C06 | will be informed about the use of reproductive ultrasonography in cats and dogs. |
| C07 | will have knowledge about the use of reproductive ultrasound in Mare. |
| C08 | will be informed about the use of reproductive ultrasound in pigs. |
| C09 | will be informed about the use of other imaging methods for reproductive purposes. |
| C10 | Will be able to have information about the ultrasonography of the mammary in domestic animals |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **32** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 2 | 1 | 3 | 1 | 2 | 3 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 5 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 3 | 1 | 2 | 2 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 3 | 1 | 2 | 3 | 1 | 1 | 1 |
| C04 | 5 | 4 | 5 | 3 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 |
| C05 | 5 | 3 | 4 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 |
| C06 | 5 | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 |
| C07 | 5 | 5 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 3 | 1 | 2 | 2 | 1 | 1 | 1 |
| C08 | 5 | 3 | 4 | 4 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 |
| C09 | 5 | 4 | 4 | 5 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 |
| C10 | 5 | 5 | 3 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET337 | VETERINARY ONCOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET337 | VETERINARY ONCOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To give basic information on tumor related issues such as definition, causes, development of behavior and diagnostic methods
**Teaching Methods and Techniques:**
To give basic information on tumor related issues such as definition, causes, development of behavior and diagnostic methods
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Tekin ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Moulton JE; Tumours in Domestic Animals, University of California Press, California, 2017. 32. WHO International Histological Classification of Tu |
| **Resources** | : | 1. Moulton JE; Tumours in Domestic Animals, University of California Press, California, 2017. 32. WHO International Histological Classification of Tu |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General characteristics of tumors | | |
| 2 | Classification and nomenclature of tumors | | |
| 3 | General characteristics of benign and malignant tumors | | |
| 4 | Propagation of tumors: Metastasis | | |
| 5 | Prognosis in tumors | | |
| 6 | Causes of tumors: predisposition to tumor formation (age, race, sex, organ distribution, heredity) | | |
| 7 | Causes of tumors: Tumor making reasons (Physical, chemical causes) | | |
| 8 | Midterm exam | | |
| 9 | Causes of tumors: Tumor-causing factors (oncogenic viruses, parasites, hormones) | | |
| 10 | Clinical-pathological effects of tumors (local effects) | | |
| 11 | Clinical-pathological effects of tumors (systemic and neuropathic effects) | | |
| 12 | Mesenchymal tumors, nervous system tumors, hematopoietic tumors, lymphoid tumors | | |
| 13 | Epithelial tumors | | |
| 14 | Diagnosis of tumors | | |
| 15 | General treatment principles in tumors | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns the general properties of tumors. |
| C02 | Learns the causes of tumors and naming of tumors. |
| C03 | Learn the clinical and pathological effects of tumors. |
| C04 | Learns the necessary information and methods for the diagnosis of tumors. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 10 | 2 | 20 |
| Assignments | 1 | 1 | 1 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 15 | 1 | 15 |
| Laboratory | 7 | 1 | 7 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 1 | 2 | 3 | 4 |
| C01 | 5 | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 1 | 2 | 3 | 4 |
| C02 | 5 | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 1 | 2 | 3 | 4 |
| C03 | 5 | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 1 | 2 | 3 | 4 |
| C04 | 5 | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 1 | 2 | 3 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET307 | VIROLOGY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 5 | VET307 | VIROLOGY-II | 4 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The objective of this course are to introduce to the students the viral disease of domestic animals.
**Teaching Methods and Techniques:**
Foot and mouth disease, Bovine Viral Diarrhea-Mucosal Disease, Border Disease, Louping İll, Feline İnfectious Peritonitis, Rabies, Bovine Ephemeral Fever, Parainfluenza-3 virus in cattle, Rinderpest virus, Distemper, Respiratory Syncytial Virus , Equine Influenza, Akabane, Blue Tongue, African Horse Sickness, Bovine Leucosis-Sarcom Complex, Maedi-Visna, Equine İnfectious Anemia, Caprine Arthritis Encephalitis Virus, Feline Calicivirus , Torovirus of Cattle, Equine İnfectious Arteritisi, Scrapie, Bovine Spongioform encephalitis, Borna Disease, Bovine papillamatosis, Canine Oral Papillamatosis, Adenovirus İnfection of Cattle, Canine İnfectious Laryngotracheitis, Hepatitis Contagiosa Canis, Infectious Bovine Rhinotracheitis, Bovine Mamillitis, Coryza Gangreonosa Bovum, Caprine Herpesvirus, Equine Rhinopneumonitis, Herpesvirus Canis İnfection, Feline Viral Rhinotracheitis, Parvoviral İnfection, Cow pox virus, Sheep pox virus, Goat pox virus, Paravaccinia İnfection, Stomatitis Vesicularis, Ectyma Contagiosum, Investigation of viral propagation in cell culture, Diagnostic test of noncytopathogenic virus, Macrotitration test, Microtitration test, Plak test, Macroneutralisation – Microneutralisation, Plak reduction test, Hemaglutination - Hemaglutination inhibition test, Hemadsorbsiyon test, Complement Fikzation test, Agar gel presipitation test, Immunofluorescence test - Immunoperoxidase test, ELISA, Electroforez
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. AYFER FINDIK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | ÖZEL VİROLOJİ (Prof.Dr.İbrahim BURGU-Prof.Dr.Yılmaz AKÇA) Veterinary Virology (Murphy F.A., Gibbs E.P.J., Horzinek M.C., Studdert M.J. 1999) |
| **Resources** | : | Vyrology-Prof.Dr.Kadir Yeşilbağ, Prof.Dr.Mehmet Çabalar |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Foot and mouth disease, Bovine Viral Diarrhea-Mucosal Disease, Border Disease | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 2 | Louping Ill, Feline Infectious Peritonitis, Rabies, Bovine Ephemeral Fever | Research on the lesson | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 3 | Parainfluenza-3 virus in cattle, Rinderpest virus, Distemper, Respiratory Syncytial Virus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 4 | Equine Influenza, Akabane, Blue Tongue, African Horse Sickness | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 5 | Bovine Leucosis-Sarcom Complex, Maedi-Visna, Equine Infectious Anemia | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 6 | Caprine Arthritis Encephalitis Virus, Feline Calicivirus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 7 | Torovirus of Cattle, Equine Infectious Arteritisi, Scrapie, Bovine Spongioform encephalitis, Borna Disease | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 8 | midterm exam | | |
| 9 | Bovine papillamatosis, Canine Oral Papillamatosis, Adenovirus Infection of Cattle | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 10 | Canine Infectious Laryngotracheitis, Hepatitis Contagiosa Canis | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 11 | Infectious Bovine Rhinotracheitis | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 12 | Bovine Mamillitis, Coryza Gangreonosa Bovum, Caprine Herpesvirus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 13 | Equine Rhinopneumonitis, Herpesvirus Canis Infection, Feline Viral Rhinotracheitis | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 14 | Parvoviral Infection, Cow pox virus, Sheep pox virus, Goat pox virus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 15 | Paravaccinia Infection, Stomatitis Vesicularis, Ectyma Contagiosum | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | General information of clinic and laboratory diagnostic methods of viral infections |
| C02 | Preventive procedures from viral infections and transport of suspected material from animals with viral infections |
| C03 | Importance of environment and public health biosecurity, zoonotic diseases |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 4 | 60 |
| Hours for off-the-c.r.stud | 9 | 2 | 18 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 9 | 9 |
| **Total Work Load** | | | **94** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |
| C01 | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |
| C02 | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 4 |
| C03 | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET338 | FISH BREEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET338 | FISH BREEDING | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Understand the importance of fish farming , fish culture to say matters to be considered in site selection , seed production , description of the care and feeding method.
**Teaching Methods and Techniques:**
Ecological characteristics of fish grown in the area , intensive and extensive fish farming , seed production , maintenance and feeding techniques
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. NİHAT ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği. Nobel Yayın Dağıtım, Ankara |
| **Resources** | : | Alpbaz, A. 2005. Su Ürünleri Yetiştiriciliği. İkinci Baskı, Alp Yayınları, Bornova-İzmir. |
| **Documents** | : | Tekelioğlu, N. 2005. İç Su Balıkları Yetiştiriciliği, Nobel Kitabevi, Adana. ,Tekelioğlu, N. 1998. Deniz Balıkları Yetiştiriciliği. Baki Kitabevi, Adana.,Atay |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Aquaculture in the world and Turkey | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 2 | Alan İnceleme | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 3 | Alabalık Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 4 | Alabalık Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 5 | Sazan Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 6 | Sazan Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 7 | Tilapya Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 8 | midterm | | |
| 9 | Yayın Balığı Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 10 | Ara Sınav | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 11 | Sudak, Mersin Balığı Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 12 | Teknik Gezi | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 13 | Turna, Kadife Balığı Yetiştiriciliği | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 14 | Canlı Balık Nakli | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |
| 15 | Balık Sağlığı | Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetişt | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Explain the importance of fish farming , fish production site features explanations sought . |
| C02 | Explain the growing economic importance of different fish species . |
| C03 | The causes of fish diseases , symptoms and ways of protection description . |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 3 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 |
| C01 | 4 | 5 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 5 | 4 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 |
| C02 | 5 | 4 | 4 | 2 | 2 | 2 | 2 | 4 | 1 | 4 | 5 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 |
| C03 | 5 | 5 | 3 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 4 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET314 | NUTRITIONAL DISORDERS AND METABOLIC DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET314 | NUTRITIONAL DISORDERS AND METABOLIC DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
-Teaching of nutritional disorders and metabolic diseases encountered in farm animals. -Teaching of mechanism of diseases resulting from carbohydrate, protein, vitamin and mineral metabolism in farm animal.
**Teaching Methods and Techniques:**
Ruminants , include disorders that may occur depending on the feeding of poultry and horses.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Çiftlik Hayvanlarında Beslenme Hastalıkları (Umucalılar HD, Gülşen N) Bovine Medicine, Disease and Husbandry of Cattle (Andrews AH, Blowey RW, |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 50 |
| **Social Sciences** | : | | **Field** | : 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 2 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 3 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 4 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 5 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 6 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 7 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 8 | Midterm exm. | | |
| 9 | Nutritional disorders and metabolic diseases of Ruminants | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 10 | Nutritional disorders and metabolic diseases of Poultry | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 11 | Nutritional disorders and metabolic diseases of Poultry | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 12 | Nutritional disorders and metabolic diseases of Poultry | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 13 | Nutritional disorders and metabolic diseases of Poultry | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 14 | Nutritional disorders and metabolic diseases of Horse | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |
| 15 | Atlarda beslemeye bağlı olarak oluşabilecek bozukluklar | Course of the study subjects planned to | Çiftlik Hayvanlarında Beslenme Hastalıkl |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The occurence mechanisms and prevention methods of carbohydrate metabolism disorders are thought |
| C02 | The occurence mechanisms and prevention methods of protein metabolism disorders are thought |
| C03 | The occurence mechanisms and prevention methods of vitamin and mineral metabolisms disorders are thought |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 1,50 | 21 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 8 | 8 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 17 | 17 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 3 | 1 | 1 | 1 | 5 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 4 | 1 | 1 | 1 | 4 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 3 | 1 | 1 | 1 | 5 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C03 | 5 | 5 | 2 | 4 | 1 | 1 | 1 | 5 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET326 | Surgical- | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET326 | Surgical- | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To give informations about basic principles of fisheries production and to teach students the aetiology, epizootiology, pathogenesis, laboratory diagnosis, prevention and control of bacterial, viral, fungal, parasitological, neoplastic diseases, as well as nutritional and metabolic disturbances and toxications in productible fishes.
**Teaching Methods and Techniques:**
Systematic examination methods in fish diseases , the use of laboratory diagnosis of fish diseases , bacterial diseases, fungal diseases , viral diseases
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Woo P.T.K., Bruno D.W.: Fish Diseases and Disorders, Vol. 3, Viral, Bacterial and Fungal Infections, , CABI Publishing, UK, 1999 |
| **Resources** | : | 2. Buller, N.B : .Bacteria from Fish and Other Aquatic Animals , CABI Publishing, UK, 2004 |
| **Documents** | : | 3. Arda M., Seçer S., Sarıeyyüboğlu M.: Balık Hastalıkları, Medisan Yayın. No: 61; Ankara, 2005 |
| **Assignments** | : | 4. Pike A.W., Lewis J.W. : Parasitic Diseases of Fish, , Samara Publishing Ltd., 1994 |
| **Exams** | : | 5. Roberts R.J. : Fish Pathology, W.B. Saunders Harcourt Publishers Ltd., London, 2001 |
| | | 6. Erer , H. : Balık Hastalıkları , Selcuk Üniversitesi Basım Evi, Konya, 2002 |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic biological and physiological features of productible fisheries ( Rainbow trout, Seabream, Seabass, Shrimp, mussel, oy | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 2 | Basic principles of Rainbow trout, Seabream, bream and Seabass production | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 3 | Basic principles of Shrimp, mussel, oyster, crayfish and lobster production | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 4 | Systematical examination methods in Fish diseases a) Antemortem examination in fishes, Postmortem examination in fishe | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 5 | Transport procedure of sick fish and tissue samples in diagnosis of fish diseases | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 6 | Bacterial fish diseases: aetiology, epizootiology, pathogenesis, clinical and necropsy findings, microbiological diagnosis, pre | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 7 | Bacterial diseases: aetiology, epizootiology, pathogenesis, clinical and necropsy findings, microbiological diagnosis, prevent | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 8 | Bacterial diseases: aetiology, epizootiology, pathogenesis, clinical and necropsy findings, microbiological diagnosis, prevent | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 9 | Viral diseases: aetiology, epizootiology, microbiological diagnosis, prevention and control strategies of viral hemorrhagic se | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 10 | Viral diseases: aetiology, epizootiology, microbiological diagnosis, prevention and control strategies of , infectious salmon a | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 11 | Fungal diseases: pathogenesis, clinical, necropsy findings, prevention and control strategies of, saprolegniasis, ichtiyosporic | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 12 | Protozoan infections of freshwater and seawater fish | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 13 | Plathelmithes and nemathelminthes parasitizing freshwater and seawater fish | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |
| 14 | Important protozoan, plathelmithes and nemathelminthes infections in molluscs and shellfish | Course of the study subjects planned to | 1. Woo P.T.K., Bruno D.W.: Fish Disease |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | 1. the parasitological diseases of fish and other fisheries, gains knowledge about the diagnosis, treatment and prophylaxis of these diseases |
| C02 | 2. the bacterial, viral and fungal diseases of fish and other fisheries, gains knowledge about the laboratory diagnosis, treatment and prophylaxis of these diseases |
| C03 | 3. the aetiology, pathogenesis, macroscopic and microscopic diagnosis of infectious, nutritional, metabolic, toxicological and neoplastic diseases of fish and other other fisheries |
| C04 | how to describe lesions of these diseases and prepare oral and written reports |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 4 | 2 | 8 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 5 | 5 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 1 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 2 | 1 | 2 | 3 | 2 | 4 | 3 | 2 |
| C01 | 4 | 4 | 2 | 1 | 4 | 5 | 5 | 3 | 4 | 2 | 1 | 2 | 1 | 3 | 2 | 3 | 4 | 4 | 2 |
| C02 | 5 | 4 | 3 | 1 | 4 | 4 | 5 | 4 | 3 | 3 | 1 | 2 | 1 | 2 | 3 | 2 | 4 | 3 | 3 |
| C03 | 4 | 5 | 4 | 1 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 2 | 1 | 3 | 3 | 2 | 4 | 4 | 2 |
| C04 | 5 | 5 | 5 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 1 | 2 | 3 | 2 | 4 | 3 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET340 | DENTAL DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET340 | DENTAL DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Teaching some basic concepts and surgical examination of animals
**Teaching Methods and Techniques:**
Keeping animals for examination, Importance of obtaining anamnesis and related questions, Inspection and Palpation examination method, Auscultation, Percussion and probing examination method, Mensuration and sniffing examination, Assistant examination methods, Head, Neck, Front legs, Chest and Abdominal region examination, Examination of the pelvis and hind legs, Examination of the male genital organs
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | External diseases |
| **Resources** | : | generaly surgery |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | To teach some basic consepts | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | to know the capture andretention of animals to be examined |
| C02 | learn to learn about th disease |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 10 | 1 | 10 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 3 | 3 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 4 | 5 | 4 | 1 | 1 | 1 | 2 | 4 | 3 | 4 | 2 | 3 | 1 | 1 | 4 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET332 | Swine Nutrition | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET332 | Swine Nutrition | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
After successful completion of this module a student will have acquired knowledge of the structure of pig production systems, together with an ability to recognise the important performance indicators of output and profitability. Students will understand the main husbandry and management factors influencing both animal and unit performance.
**Teaching Methods and Techniques:**
Pig Production (6 lectures and 5 guided independent study sessions) Background to UK/EU/World pig production, consumption patterns. Industry trends, strengths, weaknesses, opportunities and threats. Industry structure: integration, processing and marketing. Breeding, housing and feeding strategies. Breed selection and genetic improvement. Outdoor production systems. Primary pig diseases Economics of pig production, targets and performance indicators.
**Prerequisites:**

**Course Coordinator:**
Associate Prof. Tuncay TUFAN
**Instructors:**
Asist Prof.Dr. Cahit ÖZCAN Associate Prof.Dr. Tuncay TUFAN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Pond, P.g., Churh,P.D., Pond,K.R., 1997 Basic Animal Nutrition and Feeding.Jhon Wiley and Sons.USA. ISBN: 0-471-30864-1,Ergün, A., Tuncer, Ş |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 25 |
| **Social Sciences** | : | | **Field** | : 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Digestive physiology of pigs | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 2 | Nutrient requirements of pigs | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 3 | Energy and protein evaluation systems in pigs | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 4 | Nutrition of piglets | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 5 | Feeding of sows | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 6 | Feeding of fattening pigs | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 7 | Feeding of breeding pigs | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 8 | visa | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 9 | The feeds used in pig feed | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 10 | The feeds used in pig feed | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 11 | Nutritional diseases in pigs - I | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 12 | Nutritional diseases in pigs - II | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 13 | Pigs in clinical nutrition - I | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 14 | Clinical feeding in pigs - II | Studying the subject that is planned to t 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |
| 15 | Pigs in clinical nutrition - II | Course of the study subjects planned to 1) Ergün, A., Tuncer, Ş.D., Çolpan, İ., Y | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Obtain basic information about nutrition and diseases of pigs and acquired information provides an understanding of scientific evaluation . |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET342 | EXOTIC ANIMAL DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET342 | EXOTIC ANIMAL DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Reptil To teach the etiology, symptoms, diagnosis, differential diagnosis and treatment of animals and cage birds.
**Teaching Methods and Techniques:**
Etiology, Pathogenesis, Clinical Findings, Diagnosis, Treatment of Disease
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1-Reptil Hayvan Hastalıkları Ed. Prof. Dr. Arif Kurtdede |
| **Resources** | : | 2-Kafes Kuşlarının Muayenesi ve Hastalıkları Ed. Prof. Dr. Arif Kurtdede |
| **Documents** | : | Barrie MT(1999) Chameleon medicine. Zoo and Wild Animal Medicine, Current Therapy. W.B. Saunders Comp. Philadelphia, Toronto.,Coles BH(198 |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Reptil Animal diseases, Anatomy and physiology of Reptiles | | |
| 2 | Nutrition of reptile, Retention, gender determination, Clinical examination | | |
| 3 | Nutritional disorders | | |
| 4 | Diseases caused by bacteria | | |
| 5 | Diseases caused by viruses | | |
| 6 | Diseases caused by fungi and parasites | | |
| 7 | Metabolic and endocrine diseases | | |
| 8 | Mid-term exam week | | |
| 9 | Cage birds and diseases | | |
| 10 | Physical examination of birds, Clinical signs of birds (digestive, respiratory, urinary, eye, nerve and musculoskeletal system | | |
| 11 | Bacteria, viruses, fungi and parasitic diseases | | |
| 12 | Metabolic, kidney, liver, endocrine and vitamin mineral diseases | | |
| 13 | Care, feeding and diseases of bird offspring | | |
| 14 | Turtle diseases | | |
| 15 | Shell problems | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Reptil Teaching of habitats, feeding habits and biology of animals, cage birds and aquarium fish in general. |
| C02 | Reptil Teaching of habitats, feeding habits and biology of animals, cage birds and aquarium fish in general. |
| C03 | To teach the etiology, symptoms, diagnosis and differential diagnosis of each animal species. |
| C04 | In the case of a diagnosed disease, it is aimed to create a treatment scheme. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C02 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C03 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C04 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET302 | ENTOMOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET302 | ENTOMOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
eaching of General Introduction to Arthropods of Veterinary and Medical Importance, extenal and internal morphology,biology, harrmfulness,control measuremnets. Arthropoda which are importance for veterinary medicine such as lice, bugs, flies, fleas, hard and soft ticks, mites and their morphological, biological and epidomiological features, veterinary and medical importance, diagnosis, treatment and control strategies. The student would identifie arthropoda at least at the level ordo, family genus. They will diagnosis and treatment of ectoparasitic diseases and develop control strategies to the ectoparasites.
**Teaching Methods and Techniques:**
Introduction to the Entomology, General features of Arthropoda,Classification, General external morphology, General internal morphology, biology, behaviour etc., Collecetion and preservation of arthropods, medical and veterinary importance, Control measurments of arthropods, İnsektisides and Acaricides, Introduction to Antennata, Insecta Morphological and biological features, veterinary importance, diagnosis, treatment and control, Morphological and biological features, veterinary importance, diagnosis, treatment and control, Morphological and biological features, veterinary importance, diagnosis, treatment and control, Introduction to Diptera, Morphological and biological features, veterinary importance, diagnosis, treatment and control of the flies belonging to the families, Morphological and biological features, myiasis, veterinary importance, diagnosis, treatment and control
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Prof. Dr. Bilal DİK Veteriner Entomoloji 2012 |
| **Resources** | : | 1.Medikal ve Veteriner Entomoloji, Mullen G,Durden L, Akademik Baskı, 2002 2.Veteriner Ektoparazitler,Wall R, Shearer D. 2001 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to the Entomology, General features of Arthropoda,Classification, General external morphology | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 2 | General internal morphology, biology, behaviour etc. | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 3 | Collecetion and preservation of arthropods, medical and veterinary importance | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 4 | Control measurments of arthropods, Insektisides and Acaricides | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 5 | Introduction to Antennata, Insecta Morphological and biological features, veterinary importance, diagnosis, treatment and | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 6 | Morphological and biological features, veterinary importance, diagnosis, treatment and control | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 7 | Morphological and biological features, veterinary importance, diagnosis, treatment and control | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 8 | Midtterm exam | | |
| 9 | Introduction to Diptera, Morphological and biological features, veterinary importance, diagnosis, treatment and control of t | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 10 | Morphological and biological features, myiasis, veterinary importance, diagnosis, treatment and control | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 11 | Hypodermatidae ,Hippoboscidae, Muscidae etc. (Musca, Stomoxys, Fannia, Haematobia)Glossinidae Morphological and bi | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 12 | Chelicerata hakkında genel bilgi, akrep ve örümceklerin iç ve dış yapıları, gelişmeleri, zararları ve mücadele yolları | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 13 | Ixodidae Morphological and biological features, veterinary importance, diagnosis, treatment and control | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 14 | Argasidae Morphological and biological features, veterinary importance, diagnosis, treatment and control | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |
| 15 | Trombiculidae, Pyemotidae, Cheyletiellidae, Mesositigmata; Dermanyssidae, VarroaidaeMorphological and biological feature | | Prof. Dr. Bilal DIk Veteriner Entomoloji 2 |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Teaching of Arthropoda which important for veterinary and medicine, morphological acters, life cycles, patogenesis, clinical signs, identification, treatment and prevention. |
| C02 | The students will learn the morphologocial acters, life cycles, patogenesis, tretament and prevention of veterinary important arthropods and arthropode-borne diseases |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 7 | 7 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 1 | 4 | 3 | 1 | 1 | 5 | 4 | 4 | 1 | 1 | 3 | 4 |
| C01 | 5 | 5 | 5 | 4 | 3 | 5 | 5 | 1 | 4 | 3 | 2 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 |
| C02 | 5 | 5 | 5 | 4 | 3 | 5 | 5 | 1 | 4 | 3 | 1 | 1 | 5 | 4 | 4 | 1 | 1 | 3 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET304 | PHARMACOLOHY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET304 | PHARMACOLOHY-II | 4 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The basic principles of chemotherapy The use of drugs in treatment of infectious diseases The use of drugs in treatment of systemic diseases The use of drugs in supportive therapy of diseases
**Teaching Methods and Techniques:**
Antibacterial drugs, Anthelminthics, Antiprotozoal drugs, Narcotic and non-narcotic analgesics Drugs acting on the digestive system, Drugs acting on fluid and electrolyte balance, Drugs acting on the respiratory system and diuretics, Corticosteroids and other local hormones, Antiseptics and disinfectants
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**
Asist Prof.Dr. Kıvanç İRAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner İlaç(2013, Ed:Prof.Dr. Enver YAZAR) |
| **Resources** | : | SPECIAL PHARMACOLOGY Selahattin KAYA |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Antibacterial drugs | | Veterinary Medicine E-Book: A textbook |
| 2 | Antibacterial drugs | | Veterinary Medicine E-Book: A textbook |
| 3 | Antibacterial drugs | | Veterinary Medicine E-Book: A textbook |
| 4 | AntifungaI drugsAnthelmintic drugs | | Veterinary Medicine E-Book: A textbook |
| 5 | Anthelminthic Drugs | | Veterinary Medicine E-Book: A textbook |
| 6 | Antiprotozoal drugs | | Veterinary Medicine E-Book: A textbook |
| 7 | Narcotic and Non-narcotic Analgesic Drugs | | Veterinary Medicine E-Book: A textbook |
| 8 | Middle exam | | |
| 9 | Drugs Used in Cardiovascular System Diseases | | Veterinary Medicine E-Book: A textbook |
| 10 | Narcotic and non-narcotic analgesics | | Veterinary Medicine E-Book: A textbook |
| 11 | Drugs acting on the digestive system | | Veterinary Medicine E-Book: A textbook |
| 12 | Drugs acting on the digestive system | | Veterinary Medicine E-Book: A textbook |
| 13 | Drugs acting on Fluid-electrolyte Balance and Diuretics | | Veterinary Medicine E-Book: A textbook |
| 14 | Corticosteroids and other local hormones | | Veterinary Medicine E-Book: A textbook |
| 15 | Antiseptics and disinfectants | | Veterinary Medicine E-Book: A textbook |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Properties of the drugs acting body systems |
| C02 | Doses and usage drugs in the patients animal |
| C03 | The correct and conscious drug use |
| C04 | The correct and conscious drug use |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 9 | 9 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 27 | 27 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 4 | 2 | 4 | 4 | 1 | 4 | 3 | 4 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 3 |
| C01 | 5 | 4 | 4 | 4 | 2 | 4 | 4 | 1 | 4 | 3 | 4 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 3 |
| C02 | 5 | 4 | 4 | 4 | 2 | 4 | 4 | 1 | 4 | 3 | 4 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 3 |
| C03 | 5 | 4 | 5 | 4 | 3 | 4 | 4 | 1 | 4 | 3 | 4 | 1 | 4 | 4 | 4 | 2 | 2 | 4 | 3 |
| C04 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 2 | 3 | 3 | 4 | 2 | 4 | 4 | 4 | 2 | 2 | 4 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET324 | EYE DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET324 | EYE DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Understanding the tissues of the immune system, the complement system, antigen presentation, T and B cell reponses, immunities to newborn and at body surfaces, tolorance, deficiencies, immunodiagnostic methods is aimed . At the end of the period, students are expected to explain involvement of immune system in health and disesase by mechanisms.
**Teaching Methods and Techniques:**
History of Immunology, Acquired immunity, antigens, Ontogeny, Immunoglobulines, Genetic basis of antibody diversion, Cellular Immunity, Vaccines, sera, and measurements of antibodies, Autoimmunity and autoimmune diseases, Immune deficiencies, Detection of immunity, Mucosal Immunity and fertilization, Resistance to tumors, İmmunomodulation, Tissue transplantation
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | İMMÜNOLOJİ (2003) Erganiş O, İstanbulluoğlu E, 3.baskı, Selçuk Ün.Basımevi, Konya. |
| **Resources** | : | VETERINARY IMMUNOLOGY (2008) Tizard I. 8th Ed. Saunders Co., USA.,ORAL MİKROBİYOLOJİ ve İMMÜNOLOJİ (2003) Erganiş O, Öztürk A. Nobe |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | History of Immunology | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 2 | Acquired immunity, antigens | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 3 | Ontogeny | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 4 | Immünglobuliner ve Antikorlar | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 5 | Cellular Immunity | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 6 | Vaccines, sera, and measurements of antibodies | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 7 | Examination | Preparations for the exam | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 8 | Autoimmunity and autoimmune diseases | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 9 | Immune deficiencies | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 10 | Detection of immunity | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 11 | Mucosal Immunity and fertilization | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 12 | Resistance to tumors | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 13 | İmmunomodulation | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |
| 14 | Tissue transplantation | Research on the subject | İMMÜNOLOJİ (2003) Erganiş O, İstanbu |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Getting basic knowledge about structure and functions of immune system |
| C02 | Comprehending functions of cell mediated and humoral immunity and to understand its role in body?s defense |
| C03 | Understanding immunity to infectious agents in farm animals |
| C04 | Interpretation the mechanism of hypersensitivity and otoimmune reactions |
| C05 | Performing immunological diagnostic test methods |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 7 | 7 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |
| C01 | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 4 | 5 |
| C02 | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |
| C03 | 5 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |
| C04 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |
| C05 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET312 | ANIMAL BREEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET312 | ANIMAL BREEDING | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Teaching of methods for increasing animal production with example of the species and breeds.
**Teaching Methods and Techniques:**
Includes general informations on character, variation, variation coeficient phenotype, genotype, environmental factors, degrees of heritability and repeatability, selection and selection methods, mating methods, phenotype and genotpe correlations
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). Hayvan Islahı. İstanbul Üniversitesi Veteriner Fakültesi, İstanbul. 2) TUNCEL Erdoğan (1991). Hayvan Islah |
| **Resources** | : | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). Hayvan Islahı. İstanbul Üniversitesi Veteriner Fakültesi, İstanbul. 2) TUNCEL Erdoğan (1991). Hayvan Islah |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Historical Development of Animal Breeding | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 2 | Animal Breeding in the World | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 3 | Animal Breeding in Turkey, Genetic and Animal Breeding | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 4 | Deleterious Genes and Animal Breeding | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 5 | Characters and their characteristics, Introduction of the Population Genetic | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 6 | Gene, Gene Frequency and their calculation, Variation and their components | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 7 | Phenotypic Variation, Genetic Variation and their components | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 8 | Heritability and their calculation methods | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 9 | Degree of Repeatibility and their calculation, Selection and their Genetic Effects | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 10 | Genetic Improvement and their components | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 11 | Selection and their Methods | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 12 | Fenotypic and Genetic Correlations | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 13 | Breeding Methods | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |
| 14 | Factors of Environment Effects and their Eradications | Course of the study subjects planned to | 1) EVRİM Mehmet, GÜNEŞ Halil (1995). |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Getting basic knowledge in areas related to Character, Phenotype, genotype, variation, variation coefficient and environmental factors |
| C02 | Understanding degrees of heritability and repeatability |
| C03 | To provide information about Selection and selection methods with mating methods. |
| C04 | To provide information about Phenotype and Genotype correlations |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C03 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET318 | INTERNAL MEDICINE-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET318 | INTERNAL MEDICINE-I | 4 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach the resriratory, cardiovascular and protozoon diiseases in pet and farm animals. For this purpose, clinical findings, diagnosis and treatment will be teached.
**Teaching Methods and Techniques:**
1 Respiratory Tract Diseases in Large Animals 2 Respiratory Tract Diseases in Large Animals 3 Respiratory Tract Diseases in Large Animals 4 Respiratory Tract Diseases in Large Animals 5 Respiratory Tract Diseases in Cat-Dogs 6 Respiratory Tract Diseases in Cat-Dogs 7 Respiratory Tract Diseases in Cat-Dogs 8 Protozoal Diseases 9 Diseases with hemoglobinuria 10 Diseases of the Circulatory System 11 Circulatory System Diseases 12 Skin Diseases 13 Skin Diseases 14 Skin Diseases
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**
Asist Prof.Dr. Özgür Yaşar ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Internal medicine in domestic animals,Veteriner İç Hastalıkları, Yeni Doğanların İç Hastalıkları, İç Hastalıklarına Giriş |
| **Resources** | : | Ettinger S.J., Feldman E.C. (2000) Textbook of veterinary internal medicine: diseases of the dog and cat,5 th Ed., W.B.Saunders Company, Volume |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Respiratory System Disseases in Large Animals | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 2 | Respiratory System Disseases in Large Animals | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 3 | Respiratory System Disseases in Large Animals | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 4 | Respiratory System Disseases in Large Animals | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 5 | Respiratory System Disseases in Domestic Animals | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 6 | Respiratory System Disseases in Domestic Animals | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 7 | Respiratory System Disseases in Domestic Animals | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 8 | midterm exam | | |
| 9 | Protozooal Disseases | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 10 | Disseases with Hemoglobinuri | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 11 | Circulation System Disorders | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 12 | Circulation System Disorders | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 13 | Cutanous Disorders | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 14 | Cutanous Disorders | Research on the lesson | 1. Textbook of Veterinary Internal Medic |
| 15 | Cutanous Disorders | Research on the lesson | 1. Textbook of Veterinary Internal Medic |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | 1 Cats and dogs diseases characteristic with pythyalism |
| C02 | Cats and dogs diseases characteristic with dysphagia and regurgitation |
| C03 | Cats and dogs diseases characteristic with vomiting |
| C04 | Cats and dogs diseases characteristic with diarrhea |
| C05 | Cats and dogs diseases characteristic with constipation and dyshesia |
| C06 | Cats and dogs liver and pancreas diseases |
| C07 | Cats and dogs diseases characteristic with anorexia and abdominal distention |
| C08 | Ruminants diseases characteristic with dysphagia |
| C09 | Ruminants diseases characteristic with anorexia and abdominal distention |
| C10 | Ruminants diseases characteristic with anorexia and ping sound |
| C11 | Ruminants diseases characteristic with diarrhea |
| C12 | Ruminants liver diseases |
| C13 | Horses diseases characteristic with dysphagia |
| C14 | Horses diseases characteristic with colic |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 15 | 4 | 60 |
| Hours for off-the-c.r.stud | 4 | 2 | 8 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 14 | 14 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **96** |
| **ECTS Credit of the Course** | | | **3** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C02 | 4 | 5 | 4 | 5 | 3 | 5 | 2 | 4 | 2 | 3 | 2 | 3 | 4 | 5 | 2 | 2 | 2 | 5 | 2 |
| C03 | 4 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C04 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C05 | 5 | 4 | 4 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C06 | 4 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C07 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C08 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C09 | 4 | 5 | 4 | 5 | 5 | 4 | 1 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C10 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C11 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C12 | 4 | 4 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C13 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |
| C14 | 4 | 4 | 4 | 4 | 5 | 5 | 1 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 2 | 2 | 2 | 5 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET334 | COMBINED PRODUCTION FEED TECHNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET334 | COMBINED PRODUCTION FEED TECHNOLOGY | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to give information about the history of feed industry, , current status and future, the compound feed production and processing technology.
**Teaching Methods and Techniques:**
The definition and importance of mixed feed, their varieties, the problems and recommendations in the production of compound feed, raw materials and their contents used in compound feed industry, the use of antibiotics and enzymes in mixed-feeds, the use rendering products as crude feed material for effective animal breeding, the effects of grinding on the properties of mill and mixed-feed, and animals, the homogeneity of mixed feed, dehomojenizasyon, mixing systems, mixing time, the effects of mixing time on the quality of mixed feed, pest management in feed storage
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1) Karma Yem Üretim Mekanizasyonu. Çukurova Üniversitesi Ziraat FAkültesi Yayınları. 2)1. Akyıldız, R. 1981.Yemler Bilgisi ve Teknolojisi. Ankara Ü |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 25 |
| **Social Sciences** | : | **Field** | : | 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General knowledge about feed and feed mixtures | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 2 | Preperation steps of feed for particular animals | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 3 | Feed ingredients | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 4 | Systems used for rich textured feed | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 5 | Feed plants, types of feed plants | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 6 | Structure of a full automatic feed plant | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 7 | Units in feed plants, cleaning and dosing unit | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 8 | Midterm exm. | | |
| 9 | Grinding unit, hammer mills, vals and disc mills | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 10 | Mixturing unit, mixturing systems | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 11 | Conveyors used in feed plants | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 12 | Capacity calculation for conveyors | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 13 | Packaging unit | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 14 | Designing a particular feed plant | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |
| 15 | Excursion to some feed plants | Course of the study subjects planned to | 1) Karma Yem Uretim Mekanizasyonu. Ç |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | knows and applies the practical knowledge for feed preparation |
| C02 | designs and runs a feed plant for particular animal and for particular capacity |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C01 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET348 | DISEASE SYSTEM DISEASES OF CATS AND DOGS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET348 | DISEASE SYSTEM DISEASES OF CATS AND DOGS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
According to the anatomical region and the system is to develop the ability to comment on radiographs.
**Teaching Methods and Techniques:**
According to the anatomical region and the system is to develop the ability to comment on radiographs.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**

**Assistants:**
Asist Prof.Dr. Mustafa Barış AKGÜL

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Arıcan M.(2011) Veteriner Genel Radyoloji ve Kedi, Köpek için Tanısal Radyografi Atlası Cilt I Konya. 2-Arıcan M.(2012) Veteriner Genel Radyoloji ve |
| **Resources** | : | small animal radyology and ultrasonography |
| **Documents** | : | veteriner radyoloji |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Radiological assessment of head and neck, ear, and temporomandibular joint | | |
| 2 | The nasal cavity and paranasal sinuses, larynx and farekns | | |
| 3 | Thoracic and cardiovascular system, the lung | | |
| 4 | Mediastinum, plore, diaphragm | | |
| 5 | Cardiovascular system | | |
| 6 | Radiographic evaluation of the digestive system | | |
| 7 | Pharancimatote radiographic evaluation of organs | | |
| 8 | Radiographic evaluation of the urinary tract and genital tract | | |
| 9 | Front extremity of the radiographic evaluation | | |
| 10 | The back extremity of the radiographic evaluation | | |
| 11 | The back extremity of the radiographic evaluation | | |
| 12 | Columnar interpretation of radiographic vertebral | | |
| 13 | Contrast media for use according to the systems | | |
| 14 | Contrast media | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | learn the evaluation of radiological neck. |
| C02 | knows radiological evaluation of the Thoracic and cardiovascularsystem. |
| C03 | reviews the Abdomen radiographic evaluation. |
| C04 | Knows the radiographic evaluation of the skeletal system. |
| C05 | Knows the radiographic evaluation of the columna vertebralis. |
| C06 | knows Contrast agents and their applications |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 8 | 8 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 8 | 8 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 5 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 5 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET322 | CLINICAL PRACTICE-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET322 | CLINICAL PRACTICE-I | 8 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The aim of the course is to provide the students with the experience and skills in the field of clinical sciences, to increase the ability and knowledge to solve the problems encountered in the clinical field, to teach the relationship between patient, patient and physician.
**Teaching Methods and Techniques:**
Animal hospital in the process of examination and treatment of animals
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Introduction to Veterinary Internal Diseases, İmren H.Y., Ankara, 1994 |
| **Resources** | : | 2. Introduction to Internal Medicine Clinic, Atlan, Y., Şendil, Ç., İstanbul, 1983 |
| **Documents** | : | 3.Special Surgery, Samsar, E., Akın, F., Tamer Matbacılık, Ankara, 1998 |
| **Assignments** | : | 4. Clinical Examination, Başoğlu, A.Konya, 1998 |
| **Exams** | : | 5. External Diseases Introduction, Görgül, S., Seyrek-İntaş, D., U.Ü.Vet.Fak.Post, Bursa, 2004 |
| | | 6. Clinical Diagnosis Methods in External Diseases, Samsar, E., Akın, F.Ankara, 2000 |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 100 |
| **Social Sciences** | : | | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Obtaining anamnesis and signalement information of the patient, detailed examination of the patients using the primary ar | | |
| 2 | Examination of the head organs, mouth, teeth, pharynx, larynx, esophagus and tarchea, probing of the esophagus and tra | | |
| 3 | Direct and otoscopic examination by cleaning the outer ear canal (Surgery) | | |
| 4 | Urinary catheterization and cystosynthesis (Surgery) | | |
| 5 | Injections and intravenous catheterization (Surgery) | | |
| 6 | Laporatomy, gastrostomy, rumenotomy, enterotomy etc. operations (Surgery) | | |
| 7 | Orthopedic examinations in dogs and cats (Surgery) | | |
| 8 | General information about clinical diagnosis, some definitions, symptoms, general examination methods | | |
| 9 | Special Examination Methods (microscopic examination, diagnostic operation, endoscopy, image diagnostic methods, etc.) | | |
| 10 | General condition examination: body temperature, normal heat, fever and hyperthermia, hypothermia, febrile diseases. Ly | | |
| 11 | Examination of the skin: hair cover, skin color, humidity, odor, elasticity; lesions of the skin: itching, bloating, edema, empl | | |
| 12 | Examination of the respiratory system: examination of the pharynx, larynx, trachea, lung, pleura | | |
| 13 | Examination of the circulatory system: pulse, examination of the heart (auscultation, percussion, ECG), examination of bloc | | |
| 14 | Examination of the digestive system: chewing, salivation, swallowing, mouth / pharynx mucosa, esophageal examination, r | | |
| 15 | Preanesthetic monitoring and complications, anesthesia in animals at risk (Surgery) | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Comprehend the concepts related to the field and the relationship between concepts |
| C02 | Keep track of the textbooks, magazines and websites that contain up-to-date information in the field |
| C03 | Have the theoretical and practical knowledge about causes, formation, diagnosis and treatment methods of animal diseases |
| C04 | Recognize the tools and equipment to be used in the studies related to the field, knows how to use |
| C05 | Have theoretical and practical knowledge about animal production technology, food safety and public health |
| C06 | Comprehend the theoretical and practical issues related to antimicrobial diseases |
| C07 | Learns and uses theoretical knowledge and applications about animal diseases, zoonoses and food diseases |
| C08 | Have theoretical and practical knowledge in the field of animal husbandry and feeding |
| C09 | Gains information about the economic aspects of animal diseases, treatment methods, cultivation and feeding techniques |
| C10 | Comprehend the national and international legislation knowledge related to the field |
| C11 | Understands the theoretical knowledge about the ethics of medicine and adheres to the ethical values in professional life |
| C12 | Makes all the surgical interventions related to the field meticulously and with scientific methods |
| C13 | Knows various animal diseases examination, diagnosis and treatment options, evaluates and performs applications |
| C14 | Knows the methods of combating animal diseases, arranges vaccination programs for all animals |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 8 | 120 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 4 | 4 |
| **Total Work Load** | | | **128** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | 5 | 5 | 2 | 2 | 5 | 5 | 5 | 5 | 1 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET344 | PROFESSIONAL ENGLISH-VI | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET344 | PROFESSIONAL ENGLISH-VI | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to teach students the general terminology in English and Turkish equivalents in related fields .To gain the ability to understand the parts related to the profession.
**Teaching Methods and Techniques:**
This course is a continuation of the vocational English V course, where students are taught the general terminology in English and Turkish equivalents and the ability to understand the parts of the profession.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 2 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 3 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 4 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 5 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 6 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 7 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 8 | Midterm exam | Course of the study subjects planned to | Medical Passages & Vocabulary for UDS |
| 9 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 10 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 11 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 12 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 13 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 14 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 15 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning English terminology that can be encountered throughout the professional life |
| C02 | To gain the ability to understand medical articles at intermediate and advanced levels |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET306 | PATHOLOGY-III | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET306 | PATHOLOGY-III | 4 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To explain the macroscopic and microscopic features, aetiology and pathogenesis of the diseases, classification of diseases according to the animal species and organs in related systems (nervous system, cardiovascular system, haematopoietic and lympatic system, urinary system, female genital system and mammary glands, male genital system, skin and its appendages).
**Teaching Methods and Techniques:**
Nervous system pathology, urinary system pathology,female genital system pathology, male genital system pathology, skin and its appendages pathology, cardiovascular system pathology, haematopoietic and lympatic system pathology, endocrines system, eye and ear pathology
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Özgül GÜLAYDIN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner Sistemik Patoloji- Ders Notu Veteriner Patoloji I. ve II. Cilt(R. Hazıroğlu, Ü.H. Milli) |
| **Resources** | : | Pathology of Domestic Animals, Volume I, II, III.(Jubb, Kennedy, Palmer) ,Pathologic Basis of Veterinary Disease (McGavin, MD, Zay, JF) |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 100 |
| **Social Sciences** | : | | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Nervous system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 2 | Nervous system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 3 | Nervous system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 4 | Urinary system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 5 | Urinary system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 6 | Female genital system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 7 | Female genital system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 8 | Midterm | | |
| 9 | Male genital system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 10 | Skin and its appendages pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 11 | Cardiovascular system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 12 | Haematopoietic and lympatic system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 13 | Haematopoietic and lympatic system pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 14 | Endocrines system, eye and ear pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |
| 15 | Endocrine system, eye and ear pathology | Research on the subject | Veteriner Sistemik Patoloji- Ders Notu V |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The system described in the diagnosis of disease and knows the macroscopic-microscopic findings. |
| C02 | etiology and pathogenesis of infectious diseases have knowledge about. |
| C03 | Anomalies in the system of the relevant organs, circulatory and metabolic disorders, degenerative and necrotic changes learns. |
| C04 | System to neoplastic and parasitic diseases of organs learn about. |
| C05 | Pathogenesis of diseases through learning basic herd health and ability to win general comments about the prognosis. |
| C06 | Evaluating pathological changes in the organs of all makes diagnosis and prevention of diseases learns. |
| C07 | Diseases of the organs lesions according to the relevant laboratories duly sends modeled. |
| C08 | Carcasses of slaughtered animals and organs examined macroscopically lesions observed in disease diagnosis and evaluate the outcome in terms of public health. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 5 | 75 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 24 | 24 |
| **Total Work Load** | | | **125** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C01 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C02 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C03 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C04 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C05 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C06 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C07 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |
| C08 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET346 | LIQUID -ELECTROLITE TREATMENT | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | VET346 | LIQUID -ELECTROLITE TREATMENT | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Transfer of fluid and electrolyte treatment to the student
**Teaching Methods and Techniques:**
Evaluation of liquid treatment methods in terms of internal diseases.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | liquid treatment, Tarık BİLAL |
| **Resources** | : | sıvı sağaltımım, Tarık BİLAL |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 100 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Distribution and dehydration of body fluids | | |
| 2 | Sodium balance, hypernatremia, hyponatremia, vasopressin, polyuria, polydipsia | | |
| 3 | Hyperchloraemia, hypocalcemia, hypokalemia, hyperkalemia | | |
| 4 | Parathyroid hormone, vitamin D, calcitonin, hypercalcemia, hypocalcemia, hypoparathyroidism | | |
| 5 | Hypophosphatemia, hyperphosphatemia, hypomagnesemia, hypermagnesemia | | |
| 6 | Acid base balance, acidosis, respiratory acidosis, metabolic acidosis, mixed acidosis | | |
| 7 | Alkalosis, metabolic alkalosis, respiratory alkalosis | | |
| 8 | Midterm | | |
| 9 | Powerful ion model | | |
| 10 | Liquid treatment and infusion routes | | |
| 11 | Infusion solutions | | |
| 12 | Liquid treatment in calves, acute viral calves diarrhea, diarrhea cases caused by protozoa, bacterial diarrhea cases | | |
| 13 | Fluid-electrolyte and acid-base balance disorders in dogs and cats, fluid selection in vomiting and diarrhea, monitoring of fl | | |
| 14 | Liquid-electrolyte and acid-base balance in diseases: acute renal failure, chronic renal failure, gastric dilatation-volvulus, ac | | |
| 15 | Fluid treatment in adult ruminants: Acute diarrhea, rumen acidosis, alkalosis, ketosis, pregnancy toxemia in sheep | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The student learns the methods and theory of fluid and electrolyte treatment. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| STJ302 | COMPULSORY SUMMER INTERNSHIP-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 6 | STJ302 | COMPULSORY SUMMER INTERNSHIP-I | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Siirt University Veterinary Faculty to improve the knowledge and skills of students, to increase their professional visibility
**Teaching Methods and Techniques:**
to increase students' knowledge and skills in participating in routine applications made in selected institutions
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Tekin ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | veterinary faculty textbooks |
| **Resources** | : | veterinary faculty textbooks. |
| **Documents** | : | Veteriner Fakültesi ders kitapları |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 2 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 3 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 4 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 5 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 6 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 7 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 8 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 9 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 10 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 11 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 12 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 13 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 14 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Siirt University Veterinary Faculty to improve the knowledge and skills of students, to increase their professional visibility |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %20 |
| Practice | 0 | %80 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 1 | 60 | 60 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET441 | ATHLETES BIRTH AND GYNECOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET441 | ATHLETES BIRTH AND GYNECOLOGY | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Reproductive anatomy, Physiology, Endocrinology, pregnancy, birth, pregnancy pathology, infertility in horses to obtain information about.
**Teaching Methods and Techniques:**
Anatomy of reproductive organs ,reproductive physiology and Endocrinology, Pubertas and sexual cycles, clinical uses of hormones, examination of female reproductive organs, control of reproduction, embryo transplantation, pregnancy Physiology, pregnancy diagnosis Pregnancy Pathology, abortion problem, Prolapsus vagina and prolapsus uteri, birth and power birth, puerperal period and problems, retinsio seundinarium and puerperal infections, metabolic diseases.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Kısraklarda Doğum Ve Jinekoloji By Prof. Dr. Mustafa KAYMAZ, Prof. Dr. Murat FINDIK, Prof. Dr. Ali RİŞVANLI, Yrd. Doç. Dr. Afşin KÖKER , İkinci B |
| **Resources** | : | Kısraklarda Doğum Ve Jinekoloji By Prof. Dr. Mustafa KAYMAZ, Prof. Dr. Murat FINDIK, Prof. Dr. Ali RİŞVANLI, Yrd. Doç. Dr. Afşin KÖKER , İkinci B |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 100 |
| **Social Sciences** | : | | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Anatomy of reproductive organs | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 2 | Reproductive physiology and Endocrinology | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 3 | Pubertas and sexual cycles | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 4 | Clinical use of hormones | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 5 | Examination of female reproductive organs | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 6 | Control of reproduction | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 7 | Embryo transplantation | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 8 | Midterm exam | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 9 | Physiology of pregnancy | Course of the study subjects planned tc | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 10 | Diagnosis of pregnancy. | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 11 | Pregnancy Pathology and abortus problem. | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 12 | Prolapse vagina and prolapse uteri | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 13 | Birth, power, birth and birth aid. | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 14 | puerperal period and problems, metabolic diseases. | Course of the study subjects planned tc | Kısraklarda Doğum Ve Jinekoloji By Prof |
| 15 | Retentio Secundinarum and puerperal infection. | Course of the study subjects planned to | Kısraklarda Doğum Ve Jinekoloji By Prof |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Have knowledge about reproductive anatomy, Physiology, Endocrinology in Mare |
| C02 | In Mare, students will have knowledge about menstrual cycle, symptoms and effects of hormones. |
| C03 | Will be able to know the diseases related to pregnancy and childbirth in Mare. |
| C04 | Will be able to know the pathology of pregnancy in Mare, abortus, prolapse vagina, obstetrics. |
| C05 | Have knowledge about reproductive infertility in Mare. |
| C06 | have knowledge about puerperal period and diseases of metabolism in Mare . |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **32** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 3 | 5 | 2 | 3 | 4 | 2 | 1 | 1 | 4 | 1 | 3 | 3 |
| C01 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 3 | 5 | 2 | 3 | 4 | 2 | 1 | 1 | 4 | 1 | 3 | 3 |
| C02 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 3 | 5 | 2 | 3 | 4 | 2 | 1 | 1 | 4 | 1 | 3 | 3 |
| C03 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 3 | 5 | 2 | 3 | 4 | 2 | 1 | 1 | 4 | 1 | 3 | 3 |
| C04 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 3 | 5 | 2 | 3 | 4 | 2 | 1 | 1 | 4 | 1 | 3 | 3 |
| C05 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 3 | 5 | 2 | 3 | 4 | 2 | 1 | 1 | 4 | 1 | 3 | 3 |
| C06 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 3 | 5 | 2 | 3 | 4 | 2 | 1 | 1 | 4 | 1 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET411 | FOOD HYGIENE | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET411 | FOOD HYGIENE | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Food chemistry, sources of food contamination, food microbiology food infection and intoxication, principles of food preservation, hygiene of water and foods of animal origin, composition and microbiological spoilages of foods of animal origins.
**Teaching Methods and Techniques:**
Functions of proteins, lipids carbohydrates and water, Microorganisms in foods, Parasites, biological material, veterinary drug residues, toxic material in foods, Microbial contamination sources, contamination, intrinsic and extrinsic parameters effecting microbial growth in foods, Indicator microorganisms, indicators for food safety and sanitation, coliforms and fecal coliforms, Foodborne bacterial agents in infections and intoxications (Salmonella spp. pathogenic Escherichia coli, Shigella dysenteriae, Campylobacter spp., Vibrio cholera, Vibrio parahaemolyticus, Listeria moncytogenes, Yersinia enterocolitica, Staphylococcus aureus, Bacillus cereus, Clostridium perfringens, Clostiridium botulinum, other bacteria (Aeromonas spp., Brucella spp., Coxiella burnetii, Mycobacterium tuberculosis), Principles of food preservation (prevention of contamination, elimination of microorganisms, prevention of microbial growth – cold storage, freezing, high temperature applications, drying and concentration, addition of salt and sugar, high temperature applications, addition of preservatives, smoking, vacuum, controlled and modified atmosphere packaging, irradiation), Water hygiene: Importance of water, water requirement, cleaning of water, physical, chemical and microbiological properties of water, disinfection methods, Meat hygiene: Microbial spoilage in meat and meat products, anaerobic spoilage, aerobic spoilage, Meat hygiene: Microbial spoilage in different types of meat products ( fresh meat, cured meat, fermented sausage, hamburger, canned meat), Poultry meat hygiene: Nutritional value of poultry meat, quality parameters in poultry meat, poultry slaughter, spoilage of poultry meat, Egg hygiene: Egg composition, spoilage of egg, examination methods of egg, Seafood hygiene: Postmortem changes in fish, rigor mortis, putrification, properties of fresh fish, Milk hygiene: Microbial spoilage in milk
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Murat GÜLMEZ
**Instructors:**
Prof.Dr. Murat GÜLMEZ
**Assistants:**
Research Assist. Kübranur ıldız BayhanResearch Assist. Sefa Üner

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Food Science ( Potter, N. N., Hotchkiss J. H., 1998) |
| **Resources** | : | 2. Practical food microbiology 3rd edition, (D. Roberts, M. Greenwood, 2003) |
| **Documents** | : | 3. Food Analysis Laboratory Manual (Nielsen, S. Suzanne 2003) |
| **Assignments** | : | 4. Besin Hijyeni ve Teknolojisi Uygulama Ders Notları ( Soyutemiz, E., Çetinkaya, F., Bursa, 1999) |
| **Exams** | : | 5. Modern Food Microbiology (Jay, James M., Loessner, Martin J., Golden, David A. 7th ed. 2005) |
| | | 6. Understanding Food Science and Technology (Murano, P. S., 2003, CA, ABD) |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 50 |
| **Social Sciences** | : | **Field** | : | 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Determinations, historical backgrounds, basic subjects of the food science. | The subjets of the future week have be | Learning materials were prepared by the |
| 2 | Food constituents- Proteins, fat, carbohydrates, vitamins, minerals and water. | The subjets of the future week have be | Learning materials were prepared by the |
| 3 | Food spoilage | The subjets of the future week have be | Learning materials were prepared by the |
| 4 | Gıda preservation | The subjets of the future week have be | Learning materials were prepared by the |
| 5 | Food additives | The subjets of the future week have be | Learning materials were prepared by the |
| 6 | Foodborne toxins | The subjets of the future week have be | Learning materials were prepared by the |
| 7 | Foodborne alergens | The subjets of the future week have be | Learning materials were prepared by the |
| 8 | Midterm examination | | |
| 9 | Food microbiology- Bacteria | The subjets of the future week have be | Learning materials were prepared by the |
| 10 | Food microbiology -Viruses and prions. | The subjets of the future week have be | Learning materials were prepared by the |
| 11 | Food microbiology- Parasites | The subjets of the future week have be | Learning materials were prepared by the |
| 12 | Foodborne infections and intoxications: 10 from most existed ones. | The subjets of the future week have be | Learning materials were prepared by the |
| 13 | Egg science and technology, | The subjets of the future week have be | Learning materials were prepared by the |
| 14 | Fish and other marine products' science and technology. | The subjets of the future week have be | Learning materials were prepared by the |
| 15 | Water hygiene and technology. | The final lesson. | Learning materials were prepared by the |

## Recommended Optional Programme Components

VET408 MEAT INSPECTION AND TECHNOLOGY
VET444 PROFESSIONAL ENGLISH-VIII
VET244 MICROBIOLOGICAL DIAGNOSIS METHODS
VET515 MICROBIOLOGY
VET517 PARASITOLOGY
VET519 PATHOLOGY
VET521 VIROLOGY
VET527 BIOCHEMISTRY
VET529 PHYSIOLOGY
VET105 ORGANIC CHEMISTRY
VET139 LABORATORY WORK PRINCIPLES

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Food, health, nutrition, averness for environment , waste |
| C02 | Food constituents and functions. |
| C03 | Food processing techniques |
| C04 | Foof preservation techniques |
| C05 | Food contaminants and contamination |
| C06 | Food hygiene and sanitation |
| C07 | Cleaning and disinfection |
| C08 | Foodborne health problems (physical, chemcal, bacterial, viral and parasitic aegents) |
| C09 | Water hygiene |

| | |
|---|---|
| C10 | Fish and other sea prducts' hygiene |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 2 | 15 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 14 | 2 | 28 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 19 | 19 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C01 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C02 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C03 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C04 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C05 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C06 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C07 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C08 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C09 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C10 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET401 | SURGERY-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET401 | SURGERY-II | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
It aims to explain the diagnosis, diagnosis and treatment of surgical diseases of the extremities.
**Teaching Methods and Techniques:**
Diseases of the anterior and posterior limbs
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK Asist Prof.Dr. Mustafa Barış AKGÜL
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Small animal surgery, Veteriner özel şirurji |
| **Resources** | : | Large animal surgery |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 100 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Diseases of head, skin and connective tissues | | |
| 2 | Peripheral nerve diseases of head, cranium contusion and fractures | | |
| 3 | Surgical diseases of central nervous system | | |
| 4 | Ear disesases | | |
| 5 | Diseases of air sac and sinus | | |
| 6 | Surgical diseases of mouth and salivary glands | | |
| 7 | Surgical diseases of tooth and cheek | | |
| 8 | Surgical diseases of larynx and neck | | |
| 9 | Surgical diseases of chest and abdomen | | |
| 10 | Hernia and gastrointestinal diaseases of domestics | | |
| 11 | Gastrointestinal diaseases and treatments in farm animals | | |
| 12 | Surgical diseases of rectum and anus | | |
| 13 | Urinary-system disesases | | |
| 14 | Genital diseases in males | | |
| 15 | exam | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | learn the diagnosis of surgical disorders of the Head, neck, teeth, jaw, oral cavity, sinuses, air bags, thorax, shoulder region. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET403 | BIRTH-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET403 | BIRTH-I | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach undergraduate student the reproductive anayomy, physiology, endocrinology, sexsual cycles and control of reproduction, examination of genital organs, embryo transfer, physiology of pregnancy, diagnosis of pregnancy, pathology of pregnancy and aborts.
**Teaching Methods and Techniques:**
Anatomy of the reproductive organs , reproductive physiology and endocrinology , pubertas and sexual cycles, clinical use of hormones, examination of the female reproductive organs , reproductive control, embryo transplantation, pregnancy physiology, pregnancy diagnosis, pregnancy pathology, abotus problem, prolapse vagina includes delivery issues.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1) Evcil Hayvanlarda Doğum ve İnfertilite, 3. Baskı, Editör: Erol Alaçam. 2) Evcil Hayvanlarda Reprodüksiyon, Sun? i Tohumlama, Doğum ve İnfertil |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 60 |
| **Social Sciences** | : | **Field** | : | 40 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Anatomy of reproductive organs | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 2 | Sexual cycles (cow and mare) | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 3 | Sexual cycles (sheep, goat, dog, cat) | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 4 | Clinical use of hormones | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 5 | Examination of female reproductive organs | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 6 | Examination of female reproductive organs | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 7 | Control of reproduction | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 8 | ARA SINAV | | |
| 9 | Control of reproduction | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 10 | Embryo transfer | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 11 | Physiology of Pregnancy | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 12 | Diagonis of pregnancy | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 13 | Pathology of pregnancy | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 14 | Aborts | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 15 | Prolapsus vagina | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | At the end of this course, students will learn in livestock-related issues in reproductive anatomy and physiology. |
| C02 | Oestrous cycle in domestic animals, will receive information about the symptoms and effects of hormones |
| C03 | Examination of reproductive organs in domestic animals, will receive information about the Control of Reproduction. |
| C04 | Learn about pregnancy and birth related diseases in domestic animals. |
| C05 | Students pathology of pregnancy, abortion, prolapse vagina, will learn more about the birth. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 11 | 11 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 23 | 23 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 2 | 4 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 4 | 1 | 2 | 2 | 1 | 3 | 1 |
| C01 | 5 | 4 | 1 | 3 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 4 | 4 | 2 | 2 | 3 | 2 | 4 | 2 |
| C02 | 4 | 5 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 5 | 2 | 3 | 2 | 2 | 4 | 2 |
| C03 | 5 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 5 | 2 | 3 | 2 | 2 | 2 | 2 |
| C04 | 5 | 5 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | 2 | 2 | 4 | 4 | 2 | 3 | 3 | 2 | 2 | 2 |
| C05 | 4 | 5 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET407 | REPRODUCTION AND ARTIFICIAL INSEMINATION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET407 | REPRODUCTION AND ARTIFICIAL INSEMINATION | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Teaching of artificial inseminations in domestic animals, evaluation of semen by microsobic and macroscobic methods, practise in semen freezing, synchronization of estrus, estrus detection, usage of hormones
**Teaching Methods and Techniques:**
At the end of this course; Reproduction in cases of pet anatomical , hormonal, physiological and semen and sperm production technologies will gain the ability to solve problems experienced in growth will have information about . It will also acquire the knowledge and skills necessary for optimal fertility in domestic animals .
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. NİHAT ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Evcil Hayvanlarda Reprodüksiyon ve Sun?i Tohumlama, İleri İK, Ak K, Pabuççuoğlu S, Birler S (1998), 189-205, İÜ Vet. Fak. Yayınları, İstanbul |
| **Resources** | : | Bioteknology For Livestock Production Prepared. Fao. Pp.: 1-42, 63-120.,Reproduction in Farm Animals. (1993) Ed: Hafez ESE 5. Baskı.,Evcil Hayva |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Male reproductive system | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 2 | Examination of male reproductive system | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 3 | Gametogenesis | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 4 | Morphology of Spermatozoon | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 5 | Collection of semen | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 6 | Semen examination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 7 | Freezing of Semen | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 8 | ARA SINAV | | |
| 9 | Andrological examination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 10 | Reproductive anatomy in cows | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 11 | Reproductive Physiology | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 12 | Practical methods in estrus detection | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 13 | Technique rectal examination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 14 | Tecnique of Artificial Insemination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 15 | The usage of reproductive hormones in cows | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Give lecture related with artificial insemination |
| C02 | Learn the steps to be followed in monitoring the reproductive |
| C03 | Semen knows as microscopic and macroscopic examination and semen freezing to teach and practice |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 21 | 21 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 2 | 4 | 2 | 2 | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 2 | 2 | 4 | 2 | 3 | 2 |
| C01 | 5 | 5 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 3 |
| C02 | 4 | 5 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 3 |
| C03 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET429 | FOOD ADDITIVES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET429 | FOOD ADDITIVES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To provide information on the definition, history, classification of food additives, prohibited additives, natural additives, synthetic additives, the relationship between additives and health, additive standards, legal regulations, diagnosis of additives.
**Teaching Methods and Techniques:**
Types of food and toxins. Differences between food and toxin. Food varieties. Types of food processing. History of food additives. Natural, nature-identical and traditional foods. Classification of additives, harmless, harmful and beneficial additives. Additive dosage determination. Setting maximum limits. Prohibited additives. Fraudulent contributions. Additive standards and legislation. Additive health risks. Identification of food additives.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Murat GülmezProf.Dr. Murat Gülmez Associate Prof.Dr. Nevzat Konar Prof.Dr. Murat Gülmez
**Instructors:**
Prof.Dr. Murat Gülmez Associate Prof.Dr. Nevzat Konar
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Altuğ, T., 2002. Introduction to Toxicology and Food, CRC Press. Florida, 152 s. Altuğ, T. (Ed.)., 2009. Gıda Katkı Maddeleri.Sidas Medya Ltd. Şti. İ |
| **Resources** | : | Altuğ, T., 2002. Introduction to Toxicology and Food, CRC Press. Florida, 152 s. Altuğ, T. (Ed.)., 2009. Gıda Katkı Maddeleri.Sidas Medya Ltd. Şti. İ |
| **Documents** | : | https://www.siirt.edu.tr/profil/profdr-murat-gulmez/11465594.html |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General information about toxicology and toxins | | |
| 2 | Branches of toxicology, classification of toxins, toxic doses | | |
| 3 | Toxication- exposure to toxins, entrance of toxins into the body, their distribution, accumulation, metabolism, excretion | | |
| 4 | Mechanism of toxic effects - selective, nonspecific, special toxic effects | | |
| 5 | Mutagen, carcinogen and teratogen compounds in foods | | |
| 6 | Toxicity tests- acute, subacute, chronic toxicity tests | | |
| 7 | NOAEL, ADI, GRAS, ML values in food toxicology | | |
| 8 | Inherent toxicants in foods - definition, classification, toxic effects | | |
| 9 | Food contaminants- definition, classification, safety and legal aspects | | |
| 10 | Antibiotics, Hormones, Mycotoxins, Nitrosamines, Packaging materials | | |
| 11 | Pesticides, PCB's, PCDDF's, PAH's, Radionuclides, Trace metals | | |
| 12 | Food additives- definition, classification, safety and legal aspects, functions, common uses, Acids, Acidity regulators, Antica | | |
| 13 | Antifoaming agents, Antioxidants, Bulking agents, Coloring agents, Color retention agents, Emulsifiers, Emulsifying salts, Fi | | |
| 14 | Flour treatment agents, Foaming agents, Gelling agents, Glazing agents, Humectants, Preservatives, Propellants, Rasing ac | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning the main concepts about the science of toxicology and understanding its relationship with food science |
| C02 | Learning to access the information sources about the properties, toxic effects and permissible limits of food toxicants |
| C03 | Understanding the importance of toxicology science and its applications in terms of food safety programs |
| C04 | Gaining information about the current events and new scientific studies about toxic substances in foods |
| C05 | Understanding the fact that food consumption is an important way of entrance of toxins ino the living organism |
| C06 | Gaining information about the properties and toxic effects of inherent toxicants in foods |
| C07 | Gaining information about the ways of contamination and toxic effects of the chemical substances in foods |
| C08 | Gaining information about the classification and functional aspects of food additives |
| C09 | Understanding of general principles applied in using food additives |
| C10 | Understanding that the use of food additives is performed at international level by monitoring detailed toxicological studies |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **43** |
| **ECTS Credit of the Course** | | | **1** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C01 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C02 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C03 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C04 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C05 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C06 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C07 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C08 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C09 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |
| C10 | 2 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET405 | INTERNAL MEDICINE-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET405 | INTERNAL MEDICINE-II | 4 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach the aetiology, pathogenesis, diagnose, treatment and prophalacy of diseases of nervous system in domestic and companion animals. We aim from symptom to diagnos urinary system disorder's analyze , diagnos and recovery.
**Teaching Methods and Techniques:**
Etiopathogenesis of nervous system diseases. Diagnosis approaches in diseases 2 General clinical manifestations of nervous system diseases. disease imaging 3 General and special examination of nervous system diseases Analysis methods 4 General treatment and prevention principles of the nervous system. , Urine examinations 5 Congenital diseases of the central nervous system. 6 Viral diseases of the nervous system. glomerulopathy 7 Bacterial diseases of the nervous system. Acute renal failure 8 Transferable diseases of the nervous system. Acute renal failure 9 Protozoal diseases of the nervous system. 10 Parasitic diseases of the nervous system. Chronic renal failure 11 Diseases related to vitamin insufficiency of the nervous system. system infections 12 Diseases of the nervous system to develop into toxicity. 13 Neuromuscular diseases.Prostate diseases 14 Spinal cortical disorders with peripheral nerve failure carrotizing diseases.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**
Asist Prof.Dr. ÖZGÜR YAŞAR ÇELİKAsist Prof.Dr. GÜLŞAH AKGÜL
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner İç Hastalıkları, Yeni Doğanların İç Hastalıkları, İç Hastalıklarına Giriş |
| **Resources** | : | Ruminants' Internal Medicine |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Aetio-pathogenes of diseases of nervous system General clinic finding of diseases of nervous system . Diagnos methods o | | |
| 2 | General and spesific examination methods of diseases of nervous system. Imaging in urinary system disorders. | | |
| 3 | General treatmant and prevent methods of diseases of nervous system.Case analyzes. | | |
| 4 | Congenital diseases of central nervous system.Urin analyzes. | | |
| 5 | Viral diseases of nervous system.Azotemie and uremie | | |
| 6 | Bacterial diseases of nervous system.Glomerulopaty | | |
| 7 | Transmision of bovine spongioform encephalopathy of ruminants.Akut renal failure | | |
| 8 | Midterm | | |
| 9 | Protozoal diseases of nervous system.Parasiter diseases of nervous system.Akut renal failure | | |
| 10 | Nervous system diseases characteristic with vitamin deficiency .Chronic renal failure | | |
| 11 | Nervous system disorder associated with toxic metals and ions .Chronic renal failure. | | |
| 12 | Nuoromusculer disorders. Urinary system infections | | |
| 13 | Spinalcord disorders. Urolithiazis | | |
| 14 | Spinalcord disorders . Prostatic disorders | | |
| 15 | Peripheral neuropati . Urinary inkontinents. | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | knows information about Cats and dogs Gastroenterology |
| C02 | knows about ruminants and horse Gastroenterology. |
| C03 | knows veterinary neurology |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 4 | 60 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| C01 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 4 | 5 | 5 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET413 | DISEASES OF POULTRY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET413 | DISEASES OF POULTRY | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Infectious diseases of poultry; etiology, pathogenesis, pathology, diagnose, teartment and prevention, poultry management (including GP herds), health management, poultry vaccines are given.
**Teaching Methods and Techniques:**
Past, present and future of poultry production in Turkey and the World, Acquired immunity, antigens, Quality control procedures fort he parent stocks, vaccines which will be administered in incubation, in ovo vaccination procedure, sprey etc. diseases, endemic infections and appearance by years in broilers and layers, programs for vaccination and monitoring immunities, Bacterial infections (Colibacillosis, Salmonellosis) , Streptococci, staphylococci, Pasteurella, Clostridial and Campylobacter infections, ORT, Bordetella, Mycoplasma AI, Paramyxovirus, Avian Pneumoviruses, SHS, IB, IBDV, ILT, pox, Adeno-, reo viruses, CIAV, parasitic diseases and coccidiosis, vitamin and mineral deficiencies
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Kanatlı hayvan hastalıkları. Arda, M., Minbay, A., Leloğlu, N., Aydın, N., Akay, Ö., İzgür, M, Yardımcı, H., Esendal, Ö., Paracıkoğlu, J., Akan, M. (20 |
| **Resources** | : | Kanatlı hayvan hastalıkları. Arda, M., Minbay, A., Aydın, N., Akay, Ö., İzgür, M, 3. Baskı (1997) |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Past, present and future of poultry production in Turkey and the World. | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 2 | Acquired immunity, antigens | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 3 | Quality control procedures fort he parent stocks, vaccines which will be administered in incubation,, in ovo vaccination proc | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 4 | Diseases, endemic infections and appearance by years in broilers and layers | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 5 | Programs for vaccination and monitoring immunities. | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 6 | Bacterial infections (Colibacillosis, Salmonellosis) | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 7 | Programs for vaccination and monitoring immunities. | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 8 | midterm | | |
| 9 | Streptococci, staphylococci, Pasteurella | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 10 | Clostridial and Campylobacter infections | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 11 | ORT, Bordetella, Mycoplasma | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 12 | AI, Paramyxovirus, Avian Pneumoviruses, SHS | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 13 | IB, IBDV, ILT, pox, Adeno-, reo viruses, CIAV | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 14 | Parasitic diseases and coccidiosis | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 15 | Vitamin and mineral deficiencies, etc | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Bacterial, viral, fungal, and parasitic diseases of poultry |
| C02 | Prevention and treatment methods of diseases |
| C03 | Herd health management |
| C04 | Hatchery management |
| C05 | Methods of application of poultry vaccines and vaccination programs preparing |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 4 | 60 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 14 | 14 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **124** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 3 | 4 | 4 | 3 | 1 | 4 | 5 | 4 | 3 | 1 | 3 | 4 |
| C01 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 4 | 3 | 1 | 4 | 5 | 4 | 3 | 1 | 3 | 4 |
| C02 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 3 | 1 | 4 | 4 | 4 | 3 | 1 | 3 | 4 |
| C03 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 1 | 4 | 4 | 4 | 3 | 1 | 4 | 4 |
| C04 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 2 | 4 | 5 | 5 | 3 | 2 | 4 | 5 |
| C05 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 2 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET419 | CLINICAL PRACTICE-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET419 | CLINICAL PRACTICE-II | 8 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The aim of the course is to provide the students with the experience and skills in the field of clinical sciences, to improve the ability and knowledge to solve the problems encountered in the clinical field, and to teach the relationship between patient, patient and physician.
**Teaching Methods and Techniques:**
Animal hospital in the process of examination and treatment of animals
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**

**Assistants:**
Asist Prof.Dr. GÜLŞAH AKGÜLAsist Prof.Dr. ÖZGÜR YAŞAR ÇELİK

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Veterinary Medicine, Radostits, O.M. et all, WBSaunders, London, 2004 2. Birth and Infertility, Alaçam, E. Medisan, Ankara, 1999 3. Special Surg |
| **Resources** | : | 1.Veteriner İç Hastalıklarına Giriş, İmren H.Y., Ankara, 1994,2.İç Hastalıkları Kliniğine Giriş, Atlan, Y., Şendil, Ç., İstanbul, 1983 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Trauma, Burn and Freezing | | |
| 2 | Sampling for routine laboratory examinations (Internal diseases) | | |
| 3 | Evaluation of clinical meaning of laboratory findings (Internal diseases) | | |
| 4 | Case discussion (Internal diseases) | | |
| 5 | Orthopedic examinations in dogs and cats (Surgery) | | |
| 6 | Catheterization of the bladder and examination of the prostate in dogs and cats (Surgery) | | |
| 7 | Preanesthetic monitoring and complications, anesthesia in animals at risk (Surgery) | | |
| 8 | Application of radiography (Surgery) | | |
| 9 | Genital organ examination and intrauterine catheter application in slaughterhouse material (Obstetrics and Gynecology) | | |
| 10 | Presentation and position exercises on phantom, aid in normal and difficult labor, fetotomy (Obstetrics and Gynecology) | | |
| 11 | Ovariohysterectomy applications in cats and dogs (Obstetrics and Gynecology) | | |
| 12 | Macroscopic examination of male genital organs, sperm collection methods, preparation of artificial vagina (Dölerme and A | | |
| 13 | Spermatological examination, semen dilution methods, macroscopic examination of female genital organs (Dölerme and Ar | | |
| 14 | Gynecological examination, recto-vaginal inspection, artificial insemination techniques, artificial insemination and sperm sto | | |
| 15 | An overview | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns how to approach sick animals and how they are taken from animal owners, |
| C02 | Recognize the structural, functional and behavioral characteristics of animal species and races |
| C03 | Learns the application of examination methods as taught in theoretical courses |
| C04 | Learns the interpretation of general and special examination techniques, system examinations, clinical and laboratory examinations in different animal species. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 8 | 120 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 3 | 3 |
| **Total Work Load** | | | **126** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | 5 | 5 | 2 | 2 | 5 | 5 | 5 | 5 | 1 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET431 | DOG AND CAT CLINIC CARDIOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET431 | DOG AND CAT CLINIC CARDIOLOGY | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Students on Clinical Cardiology of the dogs and cats have knowledge aims .
**Teaching Methods and Techniques:**
Cardiovascular anatomy , physiology and blood circulation and cardiovascular system examination, Heart failure and chest radiographic examinations Echocardiography in the diagnosis and treatment of arrhythmias and Dogs Dilatatif cardiomyopathy, the primary reason for myocardial insufficiency and congestive heart failure and valvular disease Infective endocarditis and congenital heart disease Cats cardiomyopathy and blood pressure and heartworm infestation Shock syndrome and pericardial and pleural diseases
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Gülşah AKGÜL
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Tarık Bilal, Köpek ve Kedilerde Kardiyoloji ISBN: 9789754208283, 2011 |
| **Resources** | : | cat and dog clinical cardiology |
| **Documents** | : | köpek ve kedilerde elektrokardiyografi |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 70 |
| **Social Sciences** | : | **Field** | : | 30 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Cardiovascular anatomy , physiology and blood circulation | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 2 | Examination of the cardiovascular system | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 3 | Radiographic examination of the thorax | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 4 | Heart failure | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 5 | Diagnosis and treatment of arrhythmia | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 6 | Echocardiography Dog | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 7 | Dilatatif cardiomyopathy, myocardial insufficiency primary reason | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 8 | Midterm | | |
| 9 | Congestive heart failure and valvular disease | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 10 | infective endocarditis | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 11 | Congenital heart disease | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 12 | Cats cardiomyopathies | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 13 | Blood pressure and heartworm infestation | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 14 | shock syndrome | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |
| 15 | Pericardial and pleural diseases | Course of the study subjects planned to | Tarık Bilal, Köpek ve Kedilerde Kardiyolo |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Cardiovascular anatomy , physiology and blood circulation and cardiovascular system examination, |
| C02 | Heart failure and chest radiographic examinations |
| C03 | Echocardiography in the diagnosis and treatment of arrhythmias and Dogs |
| C04 | Dilatatif cardiomyopathy, the primary reason for myocardial insufficiency and congestive heart failure and valvular disease |
| C05 | Infective endocarditis and congenital heart disease |
| C06 | Cats cardiomyopathy and blood pressure and heartworm infestation |
| C07 | Shock syndrome and pericardial and pleural diseases |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **31** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 5 | 3 | 4 | 1 | 3 | 3 | 1 | 4 | 1 | 4 | 3 | 4 | 4 | 3 | 1 | 3 | 3 | 4 |
| C01 | 4 | 5 | 2 | 3 | 1 | 2 | 4 | 1 | 3 | 1 | 3 | 4 | 4 | 5 | 2 | 1 | 2 | 3 | 4 |
| C02 | 3 | 4 | 2 | 3 | 1 | 3 | 4 | 1 | 4 | 1 | 3 | 4 | 4 | 3 | 2 | 1 | 3 | 4 | 3 |
| C03 | 3 | 4 | 2 | 3 | 1 | 4 | 3 | 1 | 4 | 1 | 3 | 3 | 4 | 3 | 2 | 1 | 3 | 4 | 3 |
| C04 | 4 | 4 | 2 | 3 | 1 | 4 | 4 | 1 | 4 | 1 | 4 | 4 | 4 | 4 | 2 | 1 | 3 | 4 | 3 |
| C05 | 3 | 2 | 3 | 4 | 1 | 4 | 3 | 1 | 4 | 1 | 3 | 3 | 4 | 3 | 2 | 1 | 3 | 3 | 3 |
| C06 | 3 | 4 | 2 | 4 | 1 | 3 | 4 | 1 | 3 | 1 | 2 | 4 | 4 | 3 | 2 | 1 | 3 | 4 | 3 |
| C07 | 4 | 4 | 4 | 4 | 1 | 3 | 4 | 1 | 4 | 1 | 3 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET437 | PROFESSIONAL ENGLISH-VII | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET437 | PROFESSIONAL ENGLISH-VII | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach students the English and Turkish equivalents of general terminology in related fields-to gain the ability to understand the parts of the profession
**Teaching Methods and Techniques:**
This course is a continuation of the vocational English VI course, which gives students the ability to teach general terminology in English and Turkish equivalents in related fields and to understand the parts of the profession.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 2 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 3 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 4 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 5 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 6 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 7 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 8 | mid term exam | Course of the study subjects planned to | Medical Passages & Vocabulary for ÜDS |
| 9 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 10 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 11 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 12 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 13 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 14 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |
| 15 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for ÜDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning English terminology that can be encountered throughout the professional life |
| C02 | To gain the ability to understand simple and medium medical articles. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **32** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET409 | NECROPSY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET409 | NECROPSY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Necropsy and the need to emphasize the importance of accurate diagnosis of diseases, according to animal species explaining the application process to make a necropsy, morphological diagnostic methods and procedures to teach the infected material to send to the lab to take. Thus, in each students field conditions by necropsy of the animals may reveal the cause of death will organize and necropsy reports to acquire advanced skills.
**Teaching Methods and Techniques:**
General information about the necropsy - the aim and importance of necropsy, postmortal changes, necropsy technique , macroscopic veterinary pathology, taking samples from diseased tissue
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Nekropsi- Ders Notu Veteriner Patoloji I. ve II. Cilt(R. Hazıroğlu, Ü.H. Milli) |
| **Resources** | : | Pathology of Domestic Animals, Volume I, II, III.(Jubb, Kennedy, Palmer) |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | General information about the necropsy - the aim and importance of necropsy | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 2 | General information about the necropsy - euthanasia, macroscopic examination of cadavers, | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 3 | General information about the necropsy - postmortal changes | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 4 | General information about the necropsy - autolysis | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 5 | Necropsy technique - Tilt methods and skin skinning | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 6 | Necropsy technique - the opening of the abdominal cavity and the organs removed | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 7 | Necropsy technique - opening of the chest cavity and removal of organs | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 8 | midterm | | |
| 9 | Necropsy technique - the opening and examination of the heart | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 10 | Necropsy technique - removal and examination of the brain | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 11 | Necropsy techniques - M. spinalis removal, opening and examination of the mouth and nasal cavity | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 12 | Necropsy technique - Tilt methods and skin skinning | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 13 | Macroscopic veterinary pathology - the consistency and shape of the lesions | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 14 | Taking samples from diseased tissue | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 15 | Processing of tissues in the laboratory | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The system described in the diagnosis of disease and knows the macroscopic-microscopic findings. |
| C02 | etiology and pathogenesis of infectious diseases have knowledge about. |
| C03 | Anomalies in the system of the relevant organs, circulatory and metabolic disorders, degenerative and necrotic changes learns. |
| C04 | Necropsy of dead animals before, during and after the necessary measures are taken |
| C05 | Necropsy techniques appropriate to the animal species acquires the ability to identify and implement. |
| C06 | Organs during necropsy findings observed in macroscopic gains the ability to recognize and interpret. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 3 | 45 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **93** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 1 | 4 | 4 |
| C01 | 5 | 4 | 5 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 1 | 4 | 4 |
| C02 | 5 | 4 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 3 | 4 |
| C03 | 5 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 4 |
| C04 | 5 | 4 | 4 | 5 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 4 |
| C05 | 4 | 4 | 4 | 5 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 4 |
| C06 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET435 | PARASITIC ZOONNOSES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET435 | PARASITIC ZOONNOSES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Parasitic diseases transmissible from humanbeings to animals from animals to humanbeings. The student will be careful when they contact to animals their tissues and organs during examinations and necropsy. On the other hand, they will learn food hygiene and prevention for parasitic diseases.
**Teaching Methods and Techniques:**
Anthropozoonosis, zooanthroposis, classification and terms, Schistosomiasis, Fasciolasis and other trematode infections, Cystic Echinococcosis, alveolar echinococcosis, Taeniosis and other cestode infections Toxocarariasis, Filariasis and other nematode infections, Amebiasis, Giardiasis, Trypanasomiasis, Leishmaniasis and Cryptosporidiosis, Sarcosporidiosis and Toxoplasmosis,Plasmodium and Babesia infections, Diptera, myiasis, Fleas and ticks,Scabies and other mites
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | TÜZER, E , TOPARLAK, M ( 2000 ) : Veteriner Helmintoloji , İ.Ü.Ders Notları. |
| **Resources** | : | BURGU, A. (2008).Genel Parazitoloji. A.Ü.Basımevi, Ankara.,S.R. Palmer, Lord Soulsby, and D.I.H. Sımpson: 1998. ZOONOSES. Biology, Clinical Pra |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | nthropozoonosis, zooanthroposis, classification and terms | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 2 | Schistosomiasis and Fasciolasis | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 3 | Other trematode infections | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 4 | Cystic Echinococcosis, alveolar echinococcosis | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 5 | Taeniosis and other cestode infections | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 6 | Toxocarariasis | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 7 | Filariasis and other nematode infections | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 8 | Amebiasis, Giardiasis,Trypanasomiasis | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 9 | Leishmaniasis and Cryptosporidiosis | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 10 | Sarcosporidiosis and Toxoplasmosis,Plasmodium and Babesia infections | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 11 | Diptera, myiasis | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 12 | Fleas and ticks | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 13 | Scabies and other mites | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |
| 14 | Scabies and other mites | | TÜZER, E , TOPARLAK, M ( 2000 ) : Vete |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Students are expected to gain information about zoonotic diseases. |
| C02 | Morphology, biology and diagnostics of Zoonozis Parasites learns |
| C03 | Learn to way of treatment and prevention of zoonotis parasites |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 4 | 3 | 3 | 4 | 5 | 2 | 3 | 3 | 2 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 4 |
| C01 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 2 | 3 | 3 | 2 | 1 | 5 | 4 | 4 | 1 | 1 | 4 | 4 |
| C02 | 4 | 5 | 4 | 4 | 3 | 5 | 4 | 3 | 2 | 2 | 3 | 2 | 4 | 5 | 4 | 2 | 2 | 4 | 4 |
| C03 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 4 | 5 | 4 | 2 | 2 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET433 | PET ANIMAL TUMOURS AND DIAGNOSTIC METHODS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET433 | PET ANIMAL TUMOURS AND DIAGNOSTIC METHODS | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Causes the formation of tumors in pet animals, according to the tissues with macroscopic and microscopic features provide information about diagnosis and treatment principles.
**Teaching Methods and Techniques:**
Tumor etiology, diagnostic methods, treatment options
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Lecturer notes, - Veteriner Onkoloji (Erer. H., Kıran, M.M.) |
| **Resources** | : | veterinary surgery |
| **Documents** | : | veteriner cerrahi |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The causes of tumors in pet animals | | |
| 2 | The incidence of tumors in pet animals | | |
| 3 | Diagnosis of tumors in pet animals | | |
| 4 | Clinical-pathologic findings of tumors in pet animals | | |
| 5 | Skin tumors and soft tissue tumors | | |
| 6 | Muscle, cartilage and bone tissue tumors | | |
| 7 | Lymphoid and hematopoietic system tumors | | |
| 8 | Respiratory tract tumors | | |
| 9 | Tumors of the digestive tract | | |
| 10 | Pancreas, liver, gallbladder, or mesothelioma tumors | | |
| 11 | Pancreas, liver, gallbladder, or mesothelioma tumors | | |
| 12 | Urinary, genital tract and mammary tumors | | |
| 13 | Endocrine glands and eye tumors - Nervous system tumors | | |
| 14 | Prognosis of tumors and treatment principles | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | General information about the cause of the tumor will have. |
| C02 | According to the macroscopic and microscopic appearance of the tumor makes the diagnosis, etiology and prognosis gains the ability to comment on. |
| C03 | Know tumor sampling methods and sends it to the appropriate laboratory. |
| C04 | interpret the overall appearance of tumors in organs and tissues and have knowledge about appropriate treatment. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 10 | 1 | 10 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 3 | 3 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 4 | 4 | 3 | 3 | 3 | 1 | 1 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 4 | 4 | 4 | 3 | 4 | 3 | 1 | 1 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 2 | 2 | 3 |
| C02 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 2 | 2 | 1 | 4 | 3 | 2 | 1 | 2 | 1 | 1 |
| C03 | 4 | 5 | 5 | 3 | 4 | 3 | 3 | 1 | 2 | 2 | 2 | 1 | 4 | 3 | 2 | 1 | 1 | 1 | 1 |
| C04 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 1 | 2 | 2 | 2 | 1 | 4 | 4 | 1 | 1 | 2 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET439 | REPRODUCTIVE ULTRASONOGRAPHY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET439 | REPRODUCTIVE ULTRASONOGRAPHY | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to teach the methods of imaging diagnosis at practical level. It is also intended as the complete ultrasound and other imaging techniques used frequently in reproduction.
**Teaching Methods and Techniques:**
Basic Imaging Techniques, Ultrasound Physics-I (Physical Properties Of Sound) Ultrasound physics-III (artefact), ultrasound physics-IV (artefact), ultrasound Physics-v (basic interpretation techniques), ultrasound examination techniques, technological developments in ultrasound-I, technological developments in Ultrasound-II, ultrasound of genital organs (examination of ovaries), ultrasound of genital organs (examination of uterus), ultrasound of genital organs in cows (examination of ultrasonography and Fetometry), ovum pick-up/Opu in cows (examination of ovary organs),, folliculosynthesis, Use of ultrasonography in increasing reproductive efficiency in cows, use of ultrasonography in sheep and goats for reproductive purposes.Reproductive use of ultrasonography in Mare, reproduction of ultrasonography in cats and dogs, reproduction of ultrasonography in pigs, reproduction of breast ultrasonography in pets, reproduction of other imaging techniques.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Ultrason Fiziği ve İneklerde Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultrasongraphy (Horse, Cattle, Sheep, Goat, Pig, dog,cat |
| **Resources** | : | Evcil Hayvanlarda Doğum ve İnfertilite (Alaçam E).,Ultrason Fiziği ve İneklerde Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultra |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | 0 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic Techniques Of Techniques. | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 2 | Ultrasound Physics-I (Physical Properties Of Sound)Ultrasound Physics-II (show formats-modes)Ultrasound physics-III (arti | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 3 | Examination techniques with ultrasonography. | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 4 | Technological Developments in Ultrasonography-ITechnological Developments in Ultrasonography-II | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 5 | Ultrasonography of the Genital Organs in the Cows (Examination of Ovariums)Ultrasonography of Genital Organs in the Co | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 6 | Ultrasonography of Genital Organs in the Cow (Ultrasonographic Biometry and Fetometry) | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 7 | OVUM PICK-UP / OPU, Folliculosentesis in cow | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 8 | Midterm exam | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 9 | Use of Ultrasonography to Increase Reproductive Efficiency in Cows | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 10 | Use of Ultrasonography for Reproductive Purpose in Sheep and Goats | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 11 | The Use of Ultrasonography for Reproductive Purposes in Mares | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 12 | The Use of Ultrasonography for Reproductive Purposes in Cat and Dogs | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 13 | Use of Ultrasonography in Reproductive Purposes in Pigs. | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 14 | Ultrasonography of the mammary in domestic animals | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |
| 15 | Use of Other Imaging Techniques for Reproductive Purposes | Course of the study subjects planned to | Ultrason Fiziği ve İneklerde Reprodüktif |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | will have knowledge about basic imaging techniques. |
| C02 | to learn about ultrasound physics and the working principle of ultrasound device. |
| C03 | the cows will have information about ultrasound and ovarian and uterus examination. |
| C04 | will be informed about the use of ultrasonography in increasing reproductive efficiency in Imeks. |
| C05 | sheep and goats will have information about the use of ultrasound for reproductive purposes. |
| C06 | will be informed about the use of reproductive ultrasonography in cats and dogs. |
| C07 | will have knowledge about the use of reproductive ultrasound in Mare. |
| C08 | will be informed about the use of reproductive ultrasound in pigs. |
| C09 | will be informed about the use of other imaging methods for reproductive purposes. |
| C10 | Will be able to have information about the ultrasonography of the mammary in domestic animals |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **32** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 2 | 1 | 3 | 1 | 2 | 3 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 5 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 3 | 1 | 2 | 2 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 3 | 1 | 2 | 3 | 1 | 1 | 1 |
| C04 | 5 | 4 | 5 | 3 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 |
| C05 | 5 | 3 | 4 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 |
| C06 | 5 | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 |
| C07 | 5 | 5 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 3 | 1 | 2 | 2 | 1 | 1 | 1 |
| C08 | 5 | 3 | 4 | 4 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 |
| C09 | 5 | 4 | 4 | 5 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 |
| C10 | 5 | 5 | 3 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET415 | TOXICOLOGY AND ENVIRONMENTAL PROTECTION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET415 | TOXICOLOGY AND ENVIRONMENTAL PROTECTION | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The objectives of this course are given information to student about following subjects: The terms and definitions of toxicology, The sources, chemical and physical properties of poisonous (toxic) substances The diagnostic and treatment approaches in toxicosis
**Teaching Methods and Techniques:**
Introduction to toxicology, mechanism of actions, toxicokinetic, toxicodynamics, factors that affect toxicity, diagnosis of toxicosis, general and specific therapy approaches in the treatment of toxicosis, environmental toxicology, phytotoxins, zootoxins, heavy metals and other inorganic toxic agents, mycotoxins, pesticides, organic toxic agents
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner Hekimliğinde Toksikoloji (Ed:Sezai Kaya, Medisan Yayınevi) |
| **Resources** | : | Toksikoloji, Şener S & Yıldırım M, 2000 . |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to ToxicologyMechanism of actions | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 2 | ToxicokineticToxicodynamics | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 3 | Factors that affect toxicityDiagnosis of toxicosis | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 4 | General and specific therapy approaches in the treatment of toxicosis | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 5 | Heavy metals and other inorganic toxic agents | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 6 | Organic toxic agents | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 7 | Phytotoxins 1 | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 8 | Middle Exam | | |
| 9 | Phytotoxins 2 | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 10 | Pesticides 1 | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 11 | Pesticides 2 | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 12 | Pesticides 3Mycotoxins 1 | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 13 | Mycotoxins 2 | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 14 | Mycotoxins 3 () | | Veteriner Hekimliğinde Toksikoloji (Ed:S |
| 15 | Foodborne Toxins | | Veteriner Hekimliğinde Toksikoloji (Ed:S |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Poison and properties of poisons |
| C03 | Types of toxicities and metabolism of poisons |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %40 |
| **Total** | | **%80** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 13 | 13 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 5 | 1 | 3 | 4 | 4 |
| C01 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 2 | 2 | 2 | 2 | 3 | 1 | 5 | 2 | 3 | 4 | 4 |
| C03 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 2 | 2 | 2 | 2 | 3 | 1 | 5 | 1 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET417 | VETERINARY MEDICINE PUBLIC HEALTH | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 7 | VET417 | VETERINARY MEDICINE PUBLIC HEALTH | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The following subjects are aimed to gain for the students: food safety from farm to the table, control-prevention and rules in low related to zoonoses, food born diseases food and chemical originated intoxication, properties of production and selling stores and checking procedures in food related areas. Main pollutants, their importance in public health, nature and other living things, protection and measures for health.
**Teaching Methods and Techniques:**
Introduction to veterinary public health, aims of veterinary public health, services of veterinary public health, Food safety, quality, risk analysis, risk evaluation, risk communication, basic concepts of food quality, the relation of food hygiene and veterinary public health, Concept of food safety from farm to fork, animal health, welfare, animal wastes, meat testing, traceability, food additives and public health relation, Food derived diseases, protection ways from food poisoning and chemical derived food poisoning, Food control services in Turkey and in European Union, EU food authority, white document, farm animals registration system, custom systems, legal arrangements on veterinary public health, General principles required in food production and marketing places, Classification of zoonoses, epidemiology, control-prevention and legal arrangements related to these diseases, Other bacterial zoonoses, epidemiology, control-prevention and legal arrangements, Epidemiology, control-prevention and legal arrangements on viral and mycotic zoonoses and general approaches on control of zoonoses, Epidemiology, control-prevention and legal arrangements on parasitic zoonoses, Basic concepts of environment- food pollution, reasons of environment-food pollution and its general effects, Pollutants in food, their properties, effects on living things, remains, explanation of food pollution on human and animals, Responsibilities of veterinary surgeons in use of medicine, tolerance rate of medicine and other chemicals, Observation of environmental and food pollution, warnings stated by FDA, WHO, and Food Codex, ways of prevention and control of wastes.
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Murat GÜLMEZ
**Instructors:**
Prof.Dr. Murat GÜLMEZ
**Assistants:**
Research Assist. Kübranur Yıldız BayhanResearch Assist. Sefa Üner

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Gıda Güvenliği: Tayar,M. İstanbul 2009 |
| **Resources** | : | Veteriner Halk Sağlığı Doğruer,Y., Konya, 2000, |
| **Documents** | : | Clinical Veterinary Microbiology P.J. Quinn, M.E. Carter, B. Markey, G.R. Carter, London, 2000. |
| **Assignments** | : | Veterinary Microbiology, D.C. Hırsh and Y.C. Zee, USA, 2002 |
| **Exams** | : | Encyclopedic Reference of Parasitology, Mehlhorn H, Springer Verlag, 2001.<br>Toksikoloji CEYLAN,S., 2003. |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 50 |
| **Social Sciences** | : | **Field** | : | 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to veterinary public health, aims of veterinary public health, services of veterinary public health | The subjets of the future week have bee | Learning materials were prepared by the |
| 2 | Food safety, quality, risk analysis, risk evaluation, risk communication, basic concepts of food quality, the relation of food h | The subjets of the future week have bee | Learning materials were prepared by the |
| 3 | Concept of food safety from farm to fork, animal health, welfare, animal wastes, meat testing, traceability, food additives a | The subjets of the future week have bee | Learning materials were prepared by the |
| 4 | Food derived diseases, protection ways from food poisoning and chemical derived food poisoning | The subjets of the future week have bee | Learning materials were prepared by the |
| 5 | Food control services in Turkey and in European Union, EU food authority, white document, farm animals registration syste | The subjets of the future week have bee | Learning materials were prepared by the |
| 6 | General principles required in food production and marketing places | The subjets of the future week have bee | Learning materials were prepared by the |
| 7 | Classification of zoonoses, epidemiology, control-prevention and legal arrangements related to these diseases | The subjets of the future week have bee | Learning materials were prepared by the |
| 8 | Midterm examination | | |
| 9 | Other bacterial zoonoses, epidemiology, control-prevention and legal arrangements | The subjets of the future week have bee | Learning materials were prepared by the |
| 10 | Epidemiology, control-prevention and legal arrangements on viral and mycotic zoonoses and general approaches on contro | The subjets of the future week have bee | Learning materials were prepared by the |
| 11 | Epidemiology, control-prevention and legal arrangements on parasitic zoonoses | The subjets of the future week have bee | Learning materials were prepared by the |
| 12 | Basic concepts of environment- food pollution, reasons of environment-food pollution and its general effects | The subjets of the future week have bee | Learning materials were prepared by the |
| 13 | Pollutants in food, their properties, effects on living things, remains, explanation of food pollution on human and animals | The subjets of the future week have bee | Learning materials were prepared by the |
| 14 | Responsibilities of veterinary surgeons in use of medicine, tolerance rate of medicine and other chemicals | The subjets of the future week have bee | Learning materials were prepared by the |
| 15 | Observation of environmental and food pollution, warnings stated by FDA, WHO, and Food Codex, ways of prevention and | The subjets of the future week have bee | Learning materials were prepared by the |

## Recommended Optional Programme Components

VET414 DAIRY INSPECTION AND TECHNOLOGY
VET411 FOOD HYGIENE
VET134 ENVIRONMENTAL PROTECTION
VET509 FOOD HYGIENE AND TECHNOLOGY
VET511 PHARMACOLOGY-TOXICOLOGY
VET515 MICROBIOLOGY
VET517 PARASITOLOGY
VET521 VIROLOGY
VET508 FOOD SAFETY AND TECHNOLOGY GROUP

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The concept of food safety from farm to fork |
| C02 | Food-borne risks and their ways of prevention |
| C03 | Prevention-control ways and legal arrangements in zoonotic diseases and their applications |
| C04 | The effect of pollution on environment and living things |
| C05 | Causes and results of food pollution |
| C06 | Responsibilities of veterinary surgeon in use of medicine |
| C07 | Control of food production and marketing places |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 19 | 19 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |
| C01 | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |
| C02 | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |
| C03 | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |
| C04 | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |
| C05 | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |
| C06 | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |
| C07 | 3 | 5 | 1 | 1 | 5 | 3 | 4 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 5 | 1 | 3 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET438 | EMERGENCY CLINIC MEDICINE | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET438 | EMERGENCY CLINIC MEDICINE | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The objectives of this course are given information to student about following subjects: The terms and definitions of clinical pharmacology, The most frequent used drugs in veterinary practices, Rational drug use in veterinary medicine
**Teaching Methods and Techniques:**
Used of antibiotic in digestive system, respiratory system infections, used of antibiotic in urinary system, skins infections, used of antibiotic in other infections
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Gülşah AKGÜL
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner Hekimliğinde Farmakoloji, Veteriner Hekimliğinde İlaç Kullanımına Pratik ve Akılcı Yaklaşım, Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, |
| **Resources** | : | Veterinary Pharmacology and Therapeutics, Veteriner Hekimliğinde Farmakoloji, Hand book of Veterinary Drugs, The physiological basis of veterina |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Used of antibiotic in digestive system infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 2 | Used of antibiotic in digestive system infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 3 | Used of antibiotic in respiratory system infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 4 | Used of antibiotic in respiratory system infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 5 | Used of antibiotic in urinary system infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 6 | Used of antibiotic in urinary system infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 7 | Use of Antibiotics in Urinary System Infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 8 | Midterm | | Veteriner Hekimliğinde İlaç Kullanımına |
| 9 | Used of antibiotic in skins infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 10 | Used of antibiotic in skins infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 11 | Used of antibiotic in skins infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 12 | Used of antibiotic in other infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 13 | Used of antibiotic in other infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 14 | Used of antibiotic in other infections | | Veteriner Hekimliğinde İlaç Kullanımına |
| 15 | Used of antibiotic in other infections | | Veteriner Hekimliğinde İlaç Kullanımına |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learn how to use antibiotics in respiratory and digestive system infections |
| C02 | Learn how to use antibiotics in urinary system and skin infections. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **31** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 2 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 4 | 2 | 2 | 1 | 2 | 2 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET402 | FOOT DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET402 | FOOT DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To give information about claw diseases in all kinds of animals and their diagnosis and treatment methods
**Teaching Methods and Techniques:**
Foot disease
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Cattle Foot Diseases |
| **Resources** | : | Lamines |
| **Documents** | : | Sığır ayak hastalıkları |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Anatomy of claw and etiology of diseases | | |
| 2 | Examination of claw and interdigital diseases | | |
| 3 | Diseases of corium ungulae | | |
| 4 | Surgery of foot | | |
| 5 | Healty claws and its physiology | | |
| 6 | Trimming, bandage and claw bath | | |
| 7 | Foot anatomy of horse | | |
| 8 | Hoof deformites in horses | | |
| 9 | Examination of hoof and extremities | | |
| 10 | Hoof trimming | | |
| 11 | Hoof diseases | | |
| 12 | Shoes | | |
| 13 | Claw diseases in sheep | | |
| 14 | Claw diseases in domestics | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | teaches the diagnosis and treatment of diseases of foot of ruminant and equides |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET442 | BEHAVIORAL DISORDERS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET442 | BEHAVIORAL DISORDERS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To give information on food microbiology applications
**Teaching Methods and Techniques:**
Introduction to course and general information, Food microbiology laboratory: basic rules, Media preparation introduction, Media ingredients, Media types, media preparation, Sterilization, Sampling, homogenization, dilution, plating and incubation,
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. Gülşah AKGÜL
**Instructors:**
Associate Prof.Dr. Gülşah AKGÜL
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1.Gıda mikrobiyolojisi uygulamaları, Prof Dr. Kadir Halkman, 2005 |
| **Resources** | : | 2. Gıda Hijyeni ve Mikrobiyolojisi, İrfan Erol, 2007 |
| **Documents** | : | 3. Gıdaların mikrobiyolojik analizi, Adnan Ünlütürk, Fulya Turantaş, 2002 |
| **Assignments** | : | Gıda mikrobiyolojisi uygulamaları, Prof Dr. Kadir Halkman, 2005 |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | 50 |
| **Engineering Design** | : | **Health** | : | 50 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to course and general information | | |
| 2 | Food microbiology laboratory: basic rules | | |
| 3 | Media preparation introduction | | |
| 4 | Media ingredients I | | |
| 5 | Media ingredients II | | |
| 6 | Media ingredients III | | |
| 7 | Media types, media preparation I | | |
| 8 | Media types, media preparation II | | |
| 9 | Media types, media preparation III | | |
| 10 | Sterilization I | | |
| 11 | Sterilization II | | |
| 12 | Sampling, homogenization, dilution, plating and incubation | | |
| 13 | Microbiological analysis methods I | | |
| 14 | Microbiological analysis methods II | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns about general food microbiology rules. |
| C02 | Mikrobiyolojik uygulamalarda kullanılan malzeme, ekipman uygulamalarını öğrenir. |
| C03 | Gains knowledge on the analysis of microorganisms important for food. |
| C04 | Learns media and types of media |
| C05 | Lerns ingredients of media, their importance, preparation and the important factors during preparation |
| C06 | Learns sterilization types, importance, area of use |
| C07 | Learns about sampling in microbiological analysis, homogenization, dilution and incubation |
| C08 | Temel mikrobiyolojik analiz yöntemlerini ve elde edilen sonuçların yorumlanmasını öğrenir |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **31** |
| **ECTS Credit of the Course** | | | **1** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C01 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C02 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C03 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C04 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C05 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C06 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C07 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| C08 | 5 | 5 | 2 | 3 | 5 | 4 | 5 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET406 | BIRTH-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET406 | BIRTH-II | 3 | 3 | 3 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The primary aim of this class is to give basic information about birth physiology,how to help with difficult births and birth,postpartum period physiology and its problems,infertility and gynological operations.
**Teaching Methods and Techniques:**
Birth, at birth, phototoxin , caesarean section operation , power delivery, postpartum issues, postart I infections, infertility in cows , metabolic diseases, mares in infertility, carnivores in infertility, the buffalo and camel infertility include topics gynecological operations.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1.Çiftlik Hayvanlarındfa Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Fındık., M., Rişvanlı., A., Köker., A. Medipres, Malatya, 2015, 2. Arthur's Ve |
| **Resources** | : | .Çiftlik Hayvanlarındfa Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Fındık., M., Rişvanlı., A., Köker., A. Medipres, Malatya, 2015 2. Arthur's Vete |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 100 |
| **Social Sciences** | : | | **Field** | : 0 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Birth | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 2 | Birth asistance | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 3 | Fetotomy | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 4 | Cesarian | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 5 | Dystocia | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 6 | Postpartum stage and physiology | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 7 | Postpartum infectios | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 8 | ARA SINAV | | |
| 9 | Infertility in cow | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 10 | Infertility in cow | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 11 | Metabolic diseases | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 12 | Infertility in mare | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 13 | Infertility in carnivors | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 14 | Infertility in buffalo and camels | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |
| 15 | Gynecologic operations | Course of the study subjects planned to | 1) Evcil Hayvanlarda Doğum ve İnfertilit |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | They will have knowledge about birth physiology,difficult births and how to help with birth. |
| C02 | They will have knowledge about birth physiology, difficult births and general and detailed examination |
| C03 | They will have knowledge about using of fetotomy during dystocia. |
| C04 | They will have knowledge aboout endication and technics of c-section operation. |
| C05 | They will have knowledge about retensiyo secundinarium, prolapsus of uteri and postpartum uteri infections. |
| C06 | They will have knowledge about puerperal period and problems in animals: involution, resumption of cyclic activity. Puerperal laminits and puerperal tetani. |
| C07 | They will have knowledge about factors affecting the puerperal period. Bleeding of postpartum, birth canal trauma and injures. |
| C08 | They will have knowledge about postpartum infection and protection of infection. |
| C09 | They will have knowledge about in general view of infertility and infetility in cow |
| C10 | They will have knowledge about general evaluation of infertlity due to malnutrition in cow |
| C11 | They will have knpwledge about hypocalcemia in cow, pregnancy toxicity in sheep, tetani of lactation in horse, eclampsia in dog. |
| C12 | They will have knowledge about infertility in mares, infectious infetility and endometritis. |
| C13 | They will have knowledge about problems of infertility in dogs and cats. |
| C14 | They will have knowledge about gynecological operations. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 6 | 84 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 25 | 25 |
| **Total Work Load** | | | **135** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 2 | 4 | 1 | 3 | 2 | 1 | 1 | 2 | 4 | 4 | 2 | 2 | 1 | 4 | 1 | 3 | 3 |
| C01 | 4 | 5 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 5 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| C02 | 4 | 3 | 5 | 4 | 2 | 5 | 4 | 3 | 4 | 2 | 4 | 5 | 5 | 3 | 4 | 2 | 4 | 2 | 4 |
| C03 | 4 | 3 | 2 | 4 | 5 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 2 | 3 | 2 | 4 |
| C04 | 4 | 3 | 4 | 5 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 |
| C05 | 4 | 5 | 3 | 3 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 3 | 5 |
| C06 | 4 | 5 | 3 | 5 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 5 | 4 | 4 |
| C07 | 4 | 3 | 4 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 |
| C08 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C09 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 5 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 |
| C10 | 4 | 5 | 3 | 4 | 5 | 3 | 4 | 5 | 3 | 4 | | | | | | | | | |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET418 | EPIDEMIOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET418 | EPIDEMIOLOGY | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Epidemiology and field, sensitivity and specificity of the diagnostic methods, planning an epidemiological study, postulates, Veterinary Public Health and epidemiology, Situation in Turkey.
**Teaching Methods and Techniques:**
Definition, subjects, Types of investigations, Definitions, measures, Types of disease determinants, Data collection and criteria for serologic test preference, Techniques in sampling, Routes of transmission, Methods for control and eradication of diseases, Cost/benefit analyisis in a herd, Cost/benefit analyisis in nationwide scale, To prepare a Project, Epidemiology of zoonoses, Discussion on heard management programs
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner epidemiyoloji (temel bilgiler), 2. Baskı, Erganiş, O., Uçan, US., (2001) |
| **Resources** | : | Veteriner Epidemiyoloji. 2. baskı, Blackwell Science, Thrusfield, M. (2000) |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Definition, subjects | Research on the subject | Kanatlı hayvan hastalıkları. Arda, M., Mir |
| 2 | Types of investigations | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 3 | Definitions, measures | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 4 | Types of disease determinants | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 5 | Data collection and criteria for serologic test preference. | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 6 | Techniques in sampling | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 7 | Middle exam | | |
| 8 | Routes of transmission | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 9 | Methods for control and eradication of diseases | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 10 | Cost/benefit analyisis in a herd | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 11 | Cost/benefit analyisis in nationwide scale | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 12 | To prepare a project | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 13 | Epidemiology of zoonoses | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |
| 14 | Discussion on heard management programs | Research on the subject | Veteriner epidemiyoloji (temel bilgiler), 2 |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning the objectives of epidemiology, working areas and chapters |
| C02 | Learning the types an levels of epidemiology |
| C03 | Learning the disease determinants |
| C04 | Learning the types, transmission and maintenance of infection, and effective factors in diseases. |
| C05 | Learning the structure of animal populations, the course of infections, frequency and measuring types of diseases |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 4 | 3 | 5 | 4 | 4 | 3 | 2 | 3 | 1 | 5 | 5 | 4 | 2 | 3 | 4 | 4 |
| C01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 1 | 5 | 5 | 4 | 2 | 3 | 3 | 3 |
| C02 | 5 | 4 | 5 | 5 | 4 | 4 | 3 | 5 | 2 | 4 | 3 | 2 | 4 | 4 | 5 | 3 | 4 | 3 | 4 |
| C03 | 4 | 5 | 4 | 5 | 4 | 5 | 3 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 4 |
| C04 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 |
| C05 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET408 | MEAT INSPECTION AND TECHNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET408 | MEAT INSPECTION AND TECHNOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
In meat inspection part, structure of slaughterhouses, transport of slaughter animals, types of slaughter, systematic meat inspection, bacterial, viral and parasitic diseases encountered in meat inspection, decision on meats based no pathological findings and based on legal requirements are aimed to be taught. In meat products technology part, teaching of postmortal changes occuring after slaughter, preservation methods of meats, processing Technologies of meat products, cleaning and disinfection methods in meat processing plants are aimed.
**Teaching Methods and Techniques:**
Introduction to course, introduction to course material, legal regulations in our country related to red meat processing, required recorded documents in slaughterhouses, responsibilities of the slaughterhouse, documents required fort he slaughter of animals, Official documents required for transport of slaughter animals, classification of slaughterhouses, parts of slaughterhouses sevege in slaughterhouses, Antemortem inspection and its importance, resting of animals before slaughter, method of stunning, slaughter of cattle, sheep, goat and pigs, obligatory slaughter, determination of slaughter after death, types of stamps, Systematic meat inspection of cattle, sheep, pigs: blood, hide, head, lung, liver, spleen, intestine, bladder, udder, genital organs, Antemortem and postmortem findings and decision in slaughter animals for anthrax, tuberculosis, brucellosis, paratuberculosis, Cl. chouvei infection, tetanus, pasteurellosis, tularemie, Antemortem and postmortem findings and decision in slaughter animals for actinomycosis, actinobacillosis, salmonellosis, rabies, scrapie, contagious bovine pleropneumonia, contagious capri pleropneumonia, aphtous fever, blue tongue, leucosis, BSE, Findings and decision in conditions such as septicemia, toxemia, pigmentation, jaundice, abcess,hematoma, cachexia, casefication uremia, Findings and decision in parasitic infections such as cysticercosis, trichinellosis, distomatosis, coenurosis, echinococcosis, trichostrongyloidosis, toxoplasmosis, sarcosporidiosis, Carcass deboning, pH changes observed after slaughter, rigor mortis and meat maturation, DFD, PSE meats, cold shortening, thaw rigor, artificial maturation of meats, Cooling, cold storage, freezing and heating in meat preservation, Priniciple applications used in meat processing and classification of meat products, methods of drying and smoking, Selection of meat in fermented meat processing, preparation of sausage batter, filling, main points in fermentation, pastrami production technology, Selection of meat in sausage-salami production, important points in preparation of emulsion, heating and smoking processes, Cleaning and disinfection in meat processing plants
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Murat GÜLMEZ
**Instructors:**
Prof.Dr. Murat GÜLMEZ
**Assistants:**
Research Assist. Kübranur Yıldız BayhanResearch Assist. Sefa Üner

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1.Anar,Ş. Et ve Et Ürünleri Teknolojisi, Dora Yayınevi, Bursa, 2010. |
| **Resources** | : | 2.Tayar, M. Et Muayenesi, Bursa, 2011. |
| **Documents** | : | 3. Hui,Y.H.,Nip,W.,Rogers,R.W.,Young,O.A. Meat Science and Applications, Marcel Dekker, Inc, Newyork, 2001. |
| **Assignments** | : | 4.Gracey, J., Collins, D.S., Huey, R. Meat Hygiene, W.B. Saunders Comp., London,1999. |
| **Exams** | : | 5. Anonymus. Good Practices for the Meat Industry, FAO Animal Production and Health Manuals, 2004.<br>Good Practices for the Meat Industry, FAO Animal Production and Health Manuals, 2004.,Arslan, A. Meat Inspection and meat products' technolog |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 20 |
| **Social Sciences** | : | | **Field** | : 80 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to course, introduction to course material, legal regulations in our country related to red meat processing, req | The subjets of the future week have bee | Learning materials were prepared by the |
| 2 | Official documents required for transport of slaughter animals, classification of slaughterhouses, parts of slaughterhouses s | The subjets of the future week have bee | Learning materials were prepared by the |
| 3 | Antemortem inspection and its importance, resting of animals before slaughter, method of stunning, slaughter of cattle, sh | The subjets of the future week have bee | Learning materials were prepared by the |
| 4 | Systematic meat inspection of cattle, sheep, pigs: blood, hide, head, lung, liver, spleen, intestine, bladder, udder, genital o | The subjets of the future week have bee | Learning materials were prepared by the |
| 5 | Antemortem and postmortem findings and decision in slaughter animals for anthrax, tuberculosis, brucellosis, paratubercul | The subjets of the future week have bee | Learning materials were prepared by the |
| 6 | Antemortem and postmortem findings and decision in slaughter animals for actinomycosis, actinobacillosis, salmonellosis, r | The subjets of the future week have bee | Learning materials were prepared by the |
| 7 | Findings and decision in conditions such as septicemia, toxemia, pigmentation, jaundice, abcess,hematoma, cachexia, case | The subjets of the future week have bee | Learning materials were prepared by the |
| 8 | Midterm examination | | |
| 9 | Findings and decision in parasitic infections such as cysticercosis, trichinellosis, distomatosis, coenurosis, echinococcosis, tr | The subjets of the future week have bee | Learning materials were prepared by the |
| 10 | Carcass deboning, pH changes observed after slaughter, rigor mortis and meat maturation, DFD, PSE meats, cold shortenir | The subjets of the future week have bee | Learning materials were prepared by the |
| 11 | Cooling, cold storage, freezing and heating in meat preservation | The subjets of the future week have bee | Learning materials were prepared by the |
| 12 | Priniciple applications used in meat processing and classification of meat products, methods of drying and smoking | The subjets of the future week have bee | Learning materials were prepared by the |
| 13 | Selection of meat in fermented meat processing, preparation of sausage batter, filling, main points in fermentation, pastrar | The subjets of the future week have bee | Learning materials were prepared by the |
| 14 | Selection of meat in sausage-salami production, important points in preparation of emulsion, heating and smoking processi | The subjets of the future week have bee | Learning materials were prepared by the |
| 15 | Cleaning and disinfection in meat processing plants | The final lesson. | Learning materials were prepared by the |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Able to identify specific requirements of parts of a slaughterhouse, able to know registration documents in slaughter, able to know required documents for animal slaughter. |
| C02 | Able to perform ante and post mortem inspection of slaughter animals. |
| C03 | Able to identify bacterial, viral and parasitic diseases encountered in meat inspection, and can decide on meats based no pathological findings and based on legal requirements, can send samples fo |
| C04 | Able to understand postmortem changes in meat |
| C05 | Learn and apply preservation methods of meat. |
| C06 | Learn and apply principles of meat processing. |
| C07 | Learn and describe the reason of the addition of additives used in meat processing. |
| C08 | Learn carcass deboning, and parts from where valuable meat parts are derived. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |

| | |
|---|---|
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 10 | 10 |
| Practice | 0 | 0 | 0 |
| Laboratory | 14 | 4 | 56 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 16 | 16 |
| **Total Work Load** | | | **152** |
| **ECTS Credit of the Course** | | | **5** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C01 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C02 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C03 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C04 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C05 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C06 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C07 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |
| C08 | 5 | 4 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 4 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET422 | LIVESTOCK ENTERPRISE ECONOMY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET422 | LIVESTOCK ENTERPRISE ECONOMY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
At the end of the course, The student can examine livestock enterprises economic results and can evaluate cost/benefit ratio of animal diseases
**Teaching Methods and Techniques:**
Introduction to economics, General agricultural and livestock policy, Employment, Inflation, Money, National income, Supply, Demand, Market price , Consumer behavior, Choise of farm location, Production factor provide of input factor, Production planning of livestock enterprises, Cost of livestock enterprises, Economic evaluation of livestock enterprises, Animal health economics,
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Sakarya E, Cevger Y, Aral Y, Hayvancılık Ekonomisi, ISBN 978-975-06-1035-6 2013 |
| **Resources** | : | Sakarya E, Cevger Y, Aral Y, Hayvancılık Ekonomisi, ISBN 978-975-06-1035-6 2013 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 40 | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 40 |
| **Social Sciences** | : | | **Field** | : | 20 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to economics | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 2 | General agricultural and livestock policy | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 3 | Employment, Inflation | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 4 | Money, National income | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 5 | Supply | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 6 | Demand | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 7 | Market price | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 8 | Midterm | | |
| 9 | Consumer behavior | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 10 | Choise of farm location | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 11 | Production factor provide of input factor | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 12 | Production planning of livestock enterprises | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 13 | Cost of livestock enterprises | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 14 | Economic evaluation of livestock enterprises | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 15 | Animal health economics | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | have knowledge about basic economic notions |
| C02 | Makes economic assessment and analysis of animal diseases |
| C03 | Evaluate the secrterol effects of Rural economy and basic economic policies |
| C04 | Evaluate the basic management functions in terms of livestock enterprises |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 3 | 1 | 1 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 4 | 1 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 3 | 5 | 1 | 1 | 4 | 1 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 3 | 1 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 4 | 1 | 1 | 3 | 1 | 1 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET404 | INTERNAL MEDICINE-III | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET404 | INTERNAL MEDICINE-III | 4 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To teach the aetiology, pathogenesis, diagnose, treatment and prophalacy of diseases of gastrointestinal in domestic and companion animals with endokrin and metabolic disorders in pet animals.
**Teaching Methods and Techniques:**
1 Pityalism-related diseases of cats and dogs, Metabolic Diseases Related to Yield, 2 Diseases of cats and dogs with dysphagia and regurgitation, Fatty Liver Syndrome of Dairy Cows, Ketosis 3 Diseases of cats and dogs with vomiting, Pregnancy Toxemia Diabetes Mellitus Diabetes 4 Diarrheal diseases of cats and dogs, Calcium, Phosphorus and Magnesium Hemostasis in Ruminants, Vitamin D and Endocrine System, 1.25- (OH) 2D3 Production Control 5 The effects of cataracts and constipation and dish diseases of cats and dogs, intestinal phosphorus absorption on the metabolism of calcium metabolizing hormone metabolism 6 Liver and pancreatic diseases of cats and dogs, Milk fever, Hypomagnesemia Tetanis, Osteomalacia 7 Diseases of cats and dogs with abdominal tension, Milk Fever, Hypomagasemia Tetanis, Rickets, Osteomalacia 8 Ruminants with anorexia and abdominal tension, Postparturent Hemoglobinuria, Protection from Metabolic diseases 9 Ruminants with anorexia and pinging diseases, Copper Deficiency, Copper Deficiency in Lambs Copper Deficiency in Sheep Copper Deficiency in Cattle 10 Diseases of ruminants with diarrhea, White Muscle Disease, Downer Cow Syndrome, Monday Disease 11 Diseases of ruminants with dysphagia, Classification of Vitamins, Vitamin Taste Deficiency, Vitamin D deficiency, Vitamin A deficiency, Vitamin D, Vitamin E, Hypovitaminosis 12 Liver diseases of ruminants, Vitamin B1 deficiency, Niacin insufficiency, Vitamin B2 Pantothanic acid 13 Diseases of horses with dysphagia, liver diseases of horses, gastric diseases of horses, vitamin B6, biotin deficiency, vitamin B12 deficiency 14 Diseases of horses with diarrhea, Diseases of horses with colic, Vitamin C Insufficiency
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. GÜLŞAH AKGÜL
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Geviş getiren Hayvanların İç Hastalıkları, Gül Y, Medipres, Malatya, 2006 ?Veteriner İç Hastalıkları, İmren H.Y, Şahal M, Medisan, Ankara,1996 ?Vet |
| **Resources** | : | Ruminants' Internal Medicine |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Cats and dogs diseases characteristic with pythyalism , Congenital Methabolic Diseases ,Productive Metabolc Diseases | | |
| 2 | Cats and dogs diseases characteristic with dysphagia and regurgitation , Fatty Liver Syndrom in Cows , Ketosis | | |
| 3 | Cats and dogs diseases characteristic with vomiting , Pregnancy Toxemia , Diabetus Mellitus , Diabetus Insipitus | | |
| 4 | Cats and dogs diseases characteristic with diarrhea , Haemostasis of Calcium,Phosphor, Magnesium in RuminantsVitamin D | | |
| 5 | Cats and dogs diseases characteristic with constipation and dyshesia , Intestinal Phosphor Absorbtions , Effect of Calcium F | | |
| 6 | Cats and dogs liver and pancreas diseases , Milk Fever , Hypomagnesmic Tetania , Rashitism , Osteomalasi | | |
| 7 | Cats and dogs diseases characteristic with anorexia and abdominal distention , Osteodistrophia Fibrosa , Hypocalcemic teta | | |
| 8 | Midterm | | |
| 9 | Ruminants diseases characteristic with dysphagia , Bovine Transit Tetania , Postparturent Hemoglobinuria , Preventation fr | | |
| 10 | Ruminants diseases characteristic with anorexia and abdominal distention , Cupper Defficiency , Cupper Defficiency i Lamb | | |
| 11 | Ruminants diseases characteristic with anorexia and ping sound , White Mucle Diseases , Downer Cow Syndromu , Miyoglo | | |
| 12 | Ruminants diseases characteristic with diarrhea , Clasifikasyon of Vitamins , Vitamin Defficiency , Liposolubly Vitamins Deff | | |
| 13 | Ruminants liver diseases , Hydrosoluby Vitamins , Vitamin B1 Defficiency , Niacin Defficiency , Vitamin B2 Defficiency | | |
| 14 | Horses diseases characteristic with dysphagiaHorses diseases characteristic with diarrhea , Panthotonik Acid Defficiency , V | | |
| 15 | Horses diseases characteristic with colicHorses liver diseases , Horses gastric diseases , Vitamin B12 Defficiency , Vitamin C | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | learn gastrointestinaly diseases of dog and cats. |
| C02 | learn gastrointestinaly diseases of ruminants and equides |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 6 | 90 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 2 | 2 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 3 | 3 |
| **Total Work Load** | | | **110** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 2 | 3 | 4 | 1 | 4 | 4 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 5 | 5 | 2 | 3 | 4 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET436 | GYNECOLOGICAL OPERATIONS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET436 | GYNECOLOGICAL OPERATIONS | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To inform students about the morphological diagnostic methods
**Teaching Methods and Techniques:**
Morphological diagnostic types, Analyzing morphological diagnosis, Analyzing morphological diagnosis Distribution of lesion, Organs contour, the color and shape, Inflammation types, Microscopic diagnostic techniques, Microscopic diagnostic techniques, Microscopic diagnostic techniques, Tumor diagnostic methods (macroscopic), Tumor diagnosis (microscopic), Tumor diagnosis (microscopic), Non-Neoplastic lesions
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Kaynaklardan hazırlanmış ders notları, - Nekropsi ve Makroskobik Tanı Ders Notu - Veteriner Sistemik Patoloji Ders Notu |
| **Resources** | : | Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi ERER, Prof. Dr. Metin M.KIRAN, Prof. Dr. M. Kemal Çiftçi, Konya-2015 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Morphological diagnostic types | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 2 | Analyzing morphological diagnosis | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 3 | Analyzing morphological diagnosis | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 4 | Distribution of lesion | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 5 | Organs contour, the color and shape | Research on the subject | Nekropsi- Ders Notu Veteriner Patoloji I. |
| 6 | Inflammation types | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 7 | Microscopic diagnostic techniques | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 8 | ARA SINAV | | |
| 9 | Microscopic diagnostic techniques | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 10 | Microscopic diagnostic techniques | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 11 | Tumor diagnostic methods (macroscopic) | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 12 | Midterm exam | | Kaynaklardan hazırlanmış ders notları, - |
| 13 | Tumor diagnosis (microscopic) | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 14 | Tumor diagnosis (microscopic) | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |
| 15 | Non-Neoplastic lesions | Research on the subject | Kaynaklardan hazırlanmış ders notları, - |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The normal structure of tissues and organs, shape, color and consistency know and distinguish pathological changes. |
| C02 | The aetiology and pathogenesis of the disease have knowledge about. |
| C03 | Assessing pathological changes in the organs of all makes diagnosis and prevention of diseases learns. |
| C04 | lesions compared to the disease by taking samples of the organs concerned duly sends it to the lab. |
| C05 | skeleton and organs examined macroscopically lesions observed in disease diagnosis and evaluate the outcome in terms of public health. |
| C06 | followed by innovations in diagnostic methods in the diagnosis of disease and implements. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 11 | 11 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 4 | 1 | 2 | 4 | 4 | 1 | 4 | 4 | 2 | 1 | 4 | 3 | 2 | 1 | 1 | 4 | 5 |
| C01 | 5 | 4 | 4 | 1 | 2 | 4 | 4 | 2 | 4 | 4 | 3 | 1 | 4 | 3 | 3 | 1 | 1 | 3 | 5 |
| C02 | 4 | 5 | 5 | 3 | 3 | 4 | 4 | 2 | 4 | 5 | 3 | 1 | 3 | 4 | 3 | 2 | 2 | 4 | 4 |
| C03 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 3 | 4 | 4 | 3 | 1 | 3 | 4 | 2 | 2 | 1 | 4 | 4 |
| C04 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 4 | 4 |
| C05 | 4 | 5 | 4 | 2 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 2 | 2 | 4 | 5 |
| C06 | 4 | 5 | 5 | 2 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 2 | 2 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET424 | CLINICAL PRACTICE-III | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET424 | CLINICAL PRACTICE-III | 8 | 4 | 4 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The aim of the course is to provide the students with the experience and skills in the field of clinical sciences, to increase the ability and knowledge to solve the problems encountered in the clinical field, to teach the relationship between patient, patient and physician.
**Teaching Methods and Techniques:**
Animal hospital in the process of examination and treatment of animals
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**

**Assistants:**
Asist Prof.Dr. GÜLŞAH AKGÜLAsist Prof.Dr. ÖZGÜR YAŞAR ÇELİK

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Veterinary Medicine, Radostits, O.M. et all, WBSaunders, London, 2004 2. Birth and Infertility, Alaçam, E.Medisan, Ankara, 1999 3. Special Surge |
| **Resources** | : | Veteriner İç Hastalıklarına Giriş, H.Y. İmren, Ankara, 1994,Veteriner Klinik Laboratuvar Teşhis- Prof. Dr. Kürşat TURGUT, Prof. Dr. Mahmut OK,Klinil |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | They participate in patient examinations and treatments in and outside the clinic. (Internal diseases) | | |
| 2 | They participate in patient examinations and treatments in and outside the clinic. (Internal diseases) | | |
| 3 | They participate in the case discussion. (Internal diseases) | | |
| 4 | They participate in the case discussion. (Internal diseases) | | |
| 5 | In this semester, in the departments they attend by rotation, they make the applications that every student should do mini | | |
| 6 | They participate in patient examination, treatments and operations both in the clinic and outside the clinic. (Surgical) | | |
| 7 | They participate in patient examination, treatments and operations both in the clinic and outside the clinic. (Surgical) | | |
| 8 | They participate in the case discussion. (Surgical) | | |
| 9 | They participate in the case discussion. (Surgical) | | |
| 10 | In this semester, in the departments they attend by rotation, they make the applications that every student should do mini | | |
| 11 | They participate in patient examination, treatments and operations both in the clinic and outside the clinic. (Obstetrics and | | |
| 12 | They participate in patient examination, treatments and operations both in the clinic and outside the clinic. (Obstetrics and | | |
| 13 | Technologies of meat and meat products | | |
| 14 | Clinical laboratory applications, Evaluation of clinical significance of laboratory findings | | |
| 15 | technologies of milk and dairy products | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns the application of examination methods and examination of systems with the characteristics of the species as taught in the theoretical courses |
| C02 | Learns the interpretation of general and special examination techniques, system examinations, clinical and laboratory examinations in different animal species |
| C03 | Learn how to choose the treatment methods in diseases and how to apply them |
| C04 | Learns how to evaluate prognosis and prophylaxis in diseases |
| C05 | Learns about the chemical and biological substances to be used in preventive medicine and therapeutic methods and their production technologies. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 4 | 60 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 2 | 2 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 2 | 2 |
| **Total Work Load** | | | **64** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | 5 | 5 | 2 | 2 | 5 | 5 | 5 | 5 | 1 | 5 | 5 |
| C01 | 4 | 5 | 4 | 3 | 4 | 2 | 5 | 4 | 4 | 4 | 3 | 1 | 3 | 4 | 4 | 3 | 3 | 5 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET416 | UDDER HEALTH AND DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET416 | UDDER HEALTH AND DISEASES | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
The primary aim of this class is to give basic information about, Teat anatomy,lactation, mastitis,teat skin and teat stem diseases,teat operations and milking.
**Teaching Methods and Techniques:**
Anatomy and physiology of the breast, breast defenses and laktasiyo of the circulatory disorders breast, skin LeZiyon breast , mastitis prdispoz the factors, mastitits , mastitits control programs include breast operations issues
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | İNEKLERDE MEME SAĞLIĞI VE SORUNLARI, Ahyan Baştan, Ankara, 2013Evcil hayvanlarda memenin deri hastalıkları, dolaşım bozuklukları ve opera |
| **Resources** | : | İNEKLERDE MEME SAĞLIĞI VE SORUNLARI. Ayhan Baştan, Ankara, 2013. Evcil Hayvanlarda Meme Hastalıkları. Mustafa Kaymaz, Murat Fındık, Ali I |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 50 |
| **Social Sciences** | : | | **Field** | : 50 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Economic losses caused by udder diseases in dairy farms | Course of the study subjects planned to . | Meme Hastalıkları Ders |
| 2 | Udder anatomy, relationship between udder morphology and mastitis | Course of the study subjects planned to . | Meme Hastalıkları Ders |
| 3 | Factors affecting lactation physiology, milk secretion, cumulus composition, milk yield | Course of the study subjects planned to 1. | Meme Hastalıkları Ders |
| 4 | Anatomical, cellular and humoral defense system of udder, strengthening the udder immune system | Course of the study subjects planned to 1-Evcil hayvanlarda memenin deri hasta | |
| 5 | Predisposing factors of mastitis | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 6 | Etiopathogenesis of mastitis | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 7 | Mastitis caused by contagious bacteria, etiopathogenesis, risk factors and precautions | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 8 | ARA SINAV | | |
| 9 | Mastitis brought on by environmental bacteria, etiopathogenesis, risk factors and precautions to be taken | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 10 | Mastitis brought on by opportunistic bacteria, etiopathogenesis, risk factors and complaints | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 11 | Treatment of mastitis in terms of place of treatment and mastitis treatment according to clinical forms | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 12 | Milk hygiene and milking management | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 13 | Drying in cows, dry period importance and dry period management | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 14 | Infectious and non-infectious diseases of nipple | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |
| 15 | Udder operations | Course of the study subjects planned to İneklerde Meme Sağlığı ve Sorunları. Ayl | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | They will have knowledge about economic losses caused by mastitis in dairy farms |
| C02 | They will have knowledge about udder anatomy, relationship between udder morphology and mastitis |
| C03 | They will have knowledge,capability and competency about factors affecting lactation physiology, milk secretion, cumulus composition, milk yield |
| C04 | They will have knowledge about anatomical, cellular and humoral defense system of udder, strengthening the udder immune system |
| C05 | They will have knowledge, capabilitiy and competency about udder and milk examination for udder health, clinical forms of mastitis |
| C06 | They will have knowledge and competency about etiopathogenesis of mastitis |
| C07 | They will have knowledge about Mastitis caused by contagious bacteria, etiopathogenesis, risk factors and precautions. |
| C08 | They will have knowledge and competency about mastitis brought on by environmental bacteria, etiopathogenesis, risk factors and precautions to be taken |
| C09 | They will have knowledge and competency about mastitis brought on by opportunistic bacteria, etiopathogenesis, risk factors and complaints |
| C10 | They will have knowledge, capabilitiy and competancy aboittreatment of mastitis in terms of place of treatment and mastitis treatment according to clinical forms |
| C11 | They will have knowledge, capability and competancy about milk hygiene and milking management. |
| C12 | They will have knowledge about drying in cows, dry period importance and dry period management. |
| C13 | They will have knowledge about infectious and non-infectious diseases of nipple |
| C14 | They will have knowledge about operation on udder. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 4 | 4 | 3 | 3 | 2 | 3 | 2 | 3 | 2 |
| C01 | 5 | 5 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 3 |
| C02 | 5 | 5 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 |
| C03 | 4 | 5 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 2 |
| C04 | 4 | 2 | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 5 | 4 | 4 |
| C05 | 5 | 4 | 2 | 1 | 3 | 4 | 5 | 3 | 2 | 4 | 4 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 3 |
| C06 | 2 | 1 | 1 | 4 | 5 | 5 | 2 | 3 | 5 | 2 | 4 | 1 | 2 | 4 | 2 | 3 | 2 | 2 | 5 |
| C07 | 5 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 5 | 5 | 3 | 3 | 4 | 4 | 2 |
| C08 | 2 | 3 | 5 | 3 | 5 | 3 | 4 | 3 | 5 | 4 | 5 | 3 | 5 | 4 | 5 | 3 | 4 | 5 | 2 |
| C09 | 3 | 4 | 5 | 5 | 3 | 5 | 5 | 3 | 5 | 2 | 4 | 1 | 4 | 5 | 3 | 5 | 4 | 3 | 5 |
| C10 | 2 | 3 | 5 | 3 | 4 | 5 | 4 | 4 | 1 | 2 | | | | | | | | | |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET420 | PROFESSIONAL ETHICS AND VETERINARY MEDICINE LEGISLATION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET420 | PROFESSIONAL ETHICS AND VETERINARY MEDICINE LEGISLATION | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
obtain enough knowledge of legal and ethical responsibilities of veternarrians and orientate the students to veterinary legislation
**Teaching Methods and Techniques:**
Veterinary ethichs, Basic ethical principles and veterinary medicine, ethical principls and problems in scientific research activities, animal rights and ethichs, animal welfare and ethichs
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Tekin ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Fox.M.R.De.Marco,J.P.1990.Moral reasoning:A philosophical aproach to appled ethics,singer,P.1999.practical ethics,Yaşar, A. (2000). Professional E |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 10 |
| **Social Sciences** | : | 80 | **Field** | : | 10 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | basic terminology and conceptions in ethics and legislations | | |
| 2 | veterianary ethics | | |
| 3 | basic ethcal principles and veterinary medcine | | |
| 4 | professional ethics | | |
| 5 | ethical committees(local,national and nternational) | | |
| 6 | ethical principles and problems scientific research activities | | |
| 7 | ethical principles and problems in scentific publcation activities | | |
| 8 | Midterm exam | | |
| 9 | the legal structure of veterinary practce in turkey | | |
| 10 | veterinarylegislation within the scope of EU pracice | | |
| 11 | animal rigts and ethics | | |
| 12 | animal welfare and ethics | | |
| 13 | discussion of professional ethics and legislations(under the 6343 law) | | |
| 14 | discussions of professioanl ethcs and legislations (under the 3285 law) | | |
| 15 | discussions of professional ethics and legislations (under the 5179 and 5199 law) | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Acquisition the ability of using ethical principles at the professional problem |
| C02 | Teaching the legal responsibilities to the veterinarians |
| C03 | Gaining the solution abilities to the veterinarians at the professional and social lives. |
| C04 | Obtaining the evaluation abilities with the legal problems |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 3 | 2 | 1 | 2 | 2 | 5 | 5 | 2 | 2 | 3 | 4 | 2 | 2 | 2 | 2 |
| C01 | 5 | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 4 | 5 | 2 | 1 | 2 | 5 | 1 | 3 | 2 | 1 |
| C02 | 4 | 5 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 5 | 4 | 1 | 2 | 1 | 4 | 2 | 1 | 1 | 2 |
| C03 | 5 | 5 | 3 | 1 | 1 | 3 | 2 | 3 | 1 | 4 | 5 | 2 | 1 | 1 | 4 | 2 | 3 | 2 | 1 |
| C04 | 5 | 4 | 1 | 2 | 3 | 2 | 3 | 3 | 3 | 4 | 4 | 2 | 1 | 2 | 4 | 2 | 2 | 2 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET444 | PROFESSIONAL ENGLISH-VIII | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET444 | PROFESSIONAL ENGLISH-VIII | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to teach students the general terminology in English and Turkish equivalents in related fields .To gain the ability to understand the advantages related to the profession
**Teaching Methods and Techniques:**
Öğrencilere ilgili alanlarda genel terminolojilerin İngilizce ve Türkçe karşılıklarının öğretildiği ve meslekle ilgili parçaları anlayabilme yeteneğinin kazandırıldığı Mesleki İngilizce VII dersinin devamı niteliğindeki derstir.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. ÖZNUR YILMAZ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Resources** | : | Medical Passages & Vocabulary for ÜDS TUS. Elkılıç G., Han T., Aydın S. Hacettepe-Taş Yayınları 2009. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 2 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 3 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 4 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 5 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 6 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 7 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 8 | Midterm exam | Course of the study subjects planned to | Medical Passages & Vocabulary for UDS |
| 9 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 10 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 11 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 12 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 13 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 14 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |
| 15 | Medikal English text and Turkish translation | subjects should be chosen as appropriat | Medical Passages & Vocabulary for UDS |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning English terminology that can be encountered throughout the professional life |
| C02 | To gain the ability to understand medical articles at intermediate and advanced levels |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 2 | 30 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **62** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 3 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET440 | NEONATAL PERIOD DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET440 | NEONATAL PERIOD DISEASES | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Knowledge to students about of bacterial, viral, parasitar, mycotic, metabolic and other diseases of poultry.
**Teaching Methods and Techniques:**
Necropsy and types of gross diagnoses, Bacterial disease,Viral disease, Parasitical disease, Fungal infections, Metabolic disorders and nutritions disease
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Kaynaklardan hazırlanmış ders notları, -Kanatlı Hastalıkları Patolojisi (Sönmez G) -Disease of Poultry (Saif YM) |
| **Resources** | : | Poultry Diseases |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Necropsy and types of gross diagnoses | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 2 | Bacterial disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 3 | Bacterial disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 4 | Bacterial disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 5 | Bacterial disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 6 | Viral disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 7 | Viral disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 8 | Viral disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 9 | Viral disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 10 | Parasitical disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 11 | Midterm exam | | |
| 12 | Parasitical disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 13 | Fungal infections | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |
| 14 | Metabolic disorders and nutritions disease | Research on the subject | Kaynaklardan hazırlanmış ders notları, -K |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | common major diseases in poultry operations have access recognize knowledge. |
| C02 | required for diagnosis of poultry diseases gains the ability to necropsy. |
| C03 | According to diseases of the organs lesions duly sends samples to the laboratory about taking. |
| C04 | anomalies in the system of the relevant organs, circulatory and metabolic disorders, degenerative and necrotic changes learns. |
| C05 | etiology and pathogenesis of infectious diseases in poultry will have information about. |
| C06 | About neoplastic diseases and parasites of organs and systems can learn |
| C07 | Pathogenesis of diseases through learning basic business management and prognosis of the overall health gain the ability to comment on. |
| C08 | assessing pathological changes in the organs of all makes preliminary diagnosis of diseases and take necessary protective measures. |
| C09 | Live and dead poultry inspection of the external and internal macroscopic lesions observed in disease diagnosis and evaluate the results in terms of public health. |
| C10 | necessary chemical disinfection methods in infectious diseases are learn about. |
| C11 | control principles of poultry disease will have knowledge |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 14 | 0,50 | 7 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 6 | 6 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 4 | 4 | 3 | 5 | 4 | 1 | 1 | 4 | 3 | 1 | 4 | 4 | 4 | 1 | 3 | 5 | 5 |
| C01 | 5 | 4 | 4 | 4 | 3 | 5 | 4 | 1 | 1 | 4 | 3 | 1 | 4 | 4 | 4 | 1 | 3 | 5 | 5 |
| C02 | 5 | 4 | 4 | 4 | 3 | 5 | 4 | 1 | 1 | 4 | 3 | 1 | 4 | 4 | 4 | 1 | 3 | 5 | 5 |
| C03 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 2 | 2 | 4 | 3 | 2 | 4 | 4 | 4 | 1 | 3 | 5 | 5 |
| C04 | 4 | 5 | 5 | 4 | 3 | 5 | 4 | 2 | 2 | 4 | 3 | 2 | 4 | 5 | 3 | 2 | 2 | 5 | 5 |
| C05 | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 3 | 3 | 4 | 4 | 2 | 5 | 5 | 3 | 1 | 1 | 4 | 4 |
| C06 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 2 | 3 | 3 | 4 | 3 | 5 | 4 | 3 | 1 | 2 | 1 | 4 |
| C07 | 4 | 3 | 4 | 5 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 5 | 4 | 3 | 2 | 2 | 3 | 3 |
| C08 | 4 | 3 | 4 | 5 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 1 | 1 | 4 | 5 |
| C09 | 4 | 5 | 4 | 5 | 3 | 4 | 3 | 1 | 1 | 4 | 3 | 1 | 3 | 4 | 4 | 1 | 3 | 5 | 5 |
| C10 | 5 | 4 | 4 | 4 | 3 | 5 | 4 | 1 | 1 | 4 | 3 | 1 | 4 | 4 | 4 | 2 | 3 | 4 | 4 |
| C11 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 3 | 1 | 4 | 4 | 3 | 4 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET412 | ORTHOPEDICS AND TRAUMATOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET412 | ORTHOPEDICS AND TRAUMATOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Information about orthopeadic disorders of domestic animals
**Teaching Methods and Techniques:**
diagnosis and treatment of veterinary orthopedic diseases
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Nihat ŞINDAK
**Instructors:**
Prof.Dr. Nihat ŞINDAK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veterinary Orthopaedics and Traumatology |
| **Resources** | : | Small animal surgery |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Fracture, treatments and healing | | |
| 2 | Fracture, treatments and healing | | |
| 3 | Luxations | | |
| 4 | Luxations | | |
| 5 | Arthritis | | |
| 6 | Arthritis | | |
| 7 | Bursitis | | |
| 8 | Peripheral spinal nerve lesions | | |
| 9 | Muscle, tendon and tendovagina diseases | | |
| 10 | Muscle, tendon and tendovagina diseases | | |
| 11 | Periost and bone inflamation | | |
| 12 | Periost and bone inflamation | | |
| 13 | Angular deformites | | |
| 14 | Developmental disorders | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | knows the orthoedic problems of animals. |
| C02 | knows the treatment and apply of orthoedic disease of animals. |
| C03 | knows the treatment of orthoedic disease of animals. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 9 | 2 | 18 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 14 | 14 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET434 | REPRODUCTIVE BIOTECHNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET434 | REPRODUCTIVE BIOTECHNOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Teaching some information on the ice cream definition, classification and processing technology and quality characteristics of ice-cream
**Teaching Methods and Techniques:**
Teaching the history, composition and the properties of ice-cream and related products and also manufacturing technology of ice cream as detail
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. Nevzat Konar
**Instructors:**
Associate Prof.Dr. Nevzat Konar
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Akalın, S., Karagözlü, C. 2010 . Dondurma Teknolojisi Ders Notları. Basılmamış Ders Notları. Bornova - İzmir 2. Arbuckle, W. S. (1986). Ice Crear |
| **Resources** | : | Marshall, R. T., Goff, H. D., Hartel, R. W. (2003). Ice Cream, Kluwer Academic/Plenum Publishers, USA |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | 30 | **Science** | : | 40 |
| **Engineering Design** | : | | **Health** | : | 30 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Classification, definition and composition of ice-cream and related products | | |
| 2 | Composition and properties of ice-cream | | |
| 3 | Composition and properties of ice-cream | | |
| 4 | Main ingredients and additives used in ice cream production and source of them | | |
| 5 | Main ingredients and additives used in ice cream production and source of them | | |
| 6 | Calculation of ice-cream mixes (Basic mixes) | | |
| 7 | Calculation of ice-cream mixes (Complex mixes) | | |
| 8 | Midterm exam | | |
| 9 | Preparation of ice-cream mix. Pasteurization, homogenization, cooling of mix | | |
| 10 | Ripening of mix | | |
| 11 | Freezing process | | |
| 12 | Overrun and hardening of ice cream | | |
| 13 | Ice-cream related products like soft ice-cream, water ice, ice-milk and milk shake | | |
| 14 | Quality control of ice cream | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Having information about ice cream technology |
| C02 | Having information about ingredients and additives in ice cream producing |
| C03 | With evolving technology and consumer preferences as well as developing new products that may be taken into account to gain perspective |
| C04 | To ensure standardization and quality in the production of ice cream |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 3 | 3 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 8 | 8 |
| **Total Work Load** | | | **39** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 5 | 1 | 1 | 3 | 5 | 1 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C01 | 3 | 5 | 1 | 1 | 3 | 5 | 1 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C02 | 3 | 5 | 1 | 1 | 3 | 5 | 1 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C03 | 3 | 5 | 1 | 1 | 3 | 5 | 1 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| C04 | 3 | 5 | 1 | 1 | 3 | 5 | 1 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET426 | DRIVER HEALTH AND ADMINISTRATION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET426 | DRIVER HEALTH AND ADMINISTRATION | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Students who work in animal farms or who will serve as consultant veterinarians with information about management and management issues It is provided. At the same time, the students will be able to it is also aimed to teach the evaluation of knowledge....
**Teaching Methods and Techniques:**
Definition and Breeding of Flock Health Management, Management and Planning, Milk Yield, Fertility
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. TEKİN ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Batmaz, H. (2015). Sığırlarda Sürü Sağlığı ve Yönetimi, Alfa Aktüel Yayınevi |
| **Resources** | : | Batmaz, H. (2015). Sığırlarda Sürü Sağlığı ve Yönetimi, Alfa Aktüel Yayınevi. |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 70 |
| **Social Sciences** | : | 30 | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The definition of herd health management and its importance in aquaculture | | |
| 2 | Basic management principles in herd health management | | |
| 3 | How to Create a Healthy Flock | | |
| 4 | Herd health control program in modern livestock enterprises | | |
| 5 | Management and Planning | | |
| 6 | Business management tasks to protect herd health | | |
| 7 | 7 days 24 hours monitoring of animals in the enterprise (Herd Observation) | | |
| 8 | Midterm | | |
| 9 | Replenishment | | |
| 10 | Milk yield control programs | | |
| 11 | Fertilization control programs | | |
| 12 | Creation of anger, seeding and vaccination calendars | | |
| 13 | Controlling the cost | | |
| 14 | Equipment that should be found in modern livestock enterprises | | |
| 15 | Equipment that should be found in modern livestock enterprises | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns the basic concepts of health |
| C02 | Learns basic business management principles in health management. |
| C03 | Learn to make planning in management. |
| C04 | Learn to prepare milk and reproductive control programs. |
| C05 | Learns the principles of reducing the cost of herd management. |
| C06 | Gain the necessary skills to be applied in the field |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 3 | 45 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C02 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C03 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C04 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C05 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C06 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET414 | DAIRY INSPECTION AND TECHNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET414 | DAIRY INSPECTION AND TECHNOLOGY | 2 | 2 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
To gain experience on the topics of hygienic milk production, dairy microbiology, milk borne infections, milk contaminants, dairy production technologies, quality control applications, related legal regulations, dairy plant management and improving the practicing skill
**Teaching Methods and Techniques:**
Safe and hygienic milking, storing of milk, transport to milk processing plants, Chemistry of milk and its importance in human nutrition, icrobiology of milk and dairy products, Infections and intoxications linked to the consumption of dairy products and the contaminants, Introduction to milk industry, analyses applied to milk in the plants, starter cultures in milk industry, Yoghurt technology, Feta cheese technology, Traditionally produced cheese varieties, Technologies of some famous foreign cheeses , Butter technology, Milk drying technology, Food safety practises in dairy technology
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Murat GÜLMEZ
**Instructors:**
Prof.Dr. Murat GÜLMEZ
**Assistants:**
Research Assist. Kübranur Yıldız BayhanResearch Assist. Sefa Üner

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1.Metin M. Süt Teknolojisi. Sütün Bileşimi ve İşlenmesi. Beşinci Baskı, Ege Üniversitesi Basımevi, İzmir, 2003. |
| **Resources** | : | |
| **Documents** | : | 2.Metin M, Öztürk F. Süt İşletmelerinde Sanitasyon. Ege Üniversitesi Basımevi, İzmir, 2003. |
| **Assignments** | : | 3.Fox PF, McSweeney PLH. Advanced Dairy Chemistry. Volume 1, Third Edition, Part A and Part B. Kluwer Academic/Plenum Publishers, New York, |
| **Exams** | : | 4.Üçüncü M. A'dan Z'ye Peynir Teknolojisi. Meta Basım Matbaacılık Hizmetleri, İzmir, 2004.<br>5.Tekinsen OC. Tekinsen K. Süt ve Süt Ürünleri. Selcuk Üniversitesi Basımevi. Konva. 2005. |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 20 |
| **Social Sciences** | : | | **Field** | : | 80 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to the course, presentation of reference books and the course plan, general information on dairy sector in our | The subjets of the future week have bee | Learning materials were prepared by the |
| 2 | Safe and hygienic milking, storing of milk, transport to milk processing plants and | The subjets of the future week have bee | Learning materials were prepared by the |
| 3 | Chemistry of milk (milk fat, protein, sugar, vitamin and minerals, enzymes), its importance in human nutrition | The subjets of the future week have bee | Learning materials were prepared by the |
| 4 | Microbiology of milk and dairy products, natural flora of milk, contaminants in dairy technology, general microbiology of dri | The subjets of the future week have bee | Learning materials were prepared by the |
| 5 | Infections and intoxications linked to the consumption of dairy products and the contaminants (antibiotics, disinfectants an | The subjets of the future week have bee | Learning materials were prepared by the |
| 6 | Introduction to milk industry, analyses applied to milk in the plants (clarification, bactofugation, homogenization and stand | The subjets of the future week have bee | Learning materials were prepared by the |
| 7 | Importance of starter cultures in milk industry, preparation methods of starter cultures, starter culture types, quality defect | The subjets of the future week have bee | Learning materials were prepared by the |
| 8 | Midterm examination | | |
| 9 | Yogurt technology: fruity yogurt, defects and methods of prevention, quality control, suitability to Turkish Food Codex, ayr | The subjets of the future week have bee | Learning materials were prepared by the |
| 10 | Feta cheese technology, quality defects in feta cheese and prevention methods, quality control, suitability to Turkish Food | The subjets of the future week have bee | Learning materials were prepared by the |
| 11 | Traditionally produced cheese varieties | The subjets of the future week have bee | Learning materials were prepared by the |
| 12 | Technologies of some famous foreign cheeses (Edam, Gouda, Swiss Emmental, Gruyere, Cheddar, Roquefort, Mozzarella, ( | The subjets of the future week have bee | Learning materials were prepared by the |
| 13 | Butter technology | The subjets of the future week have bee | Learning materials were prepared by the |
| 14 | Milk drying technology | The subjets of the future week have bee | Learning materials were prepared by the |
| 15 | Food safety practises in dairy technology | The final lesson | Learning materials were prepared by the |

## Recommended Optional Programme Components

VET420 PROFESSIONAL ETHICS AND VETERINARY MEDICINE LEGISLATION
VET411 FOOD HYGIENE
VET509 FOOD HYGIENE AND TECHNOLOGY
VET515 MICROBIOLOGY
VET508 FOOD SAFETY AND TECHNOLOGY GROUP
VET139 LABORATORY WORK PRINCIPLES

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learning of the chemical composition of milk and factors that effect its composition |
| C02 | Learning of the production technologies of dairy products |
| C03 | Learning of the milk borne diseases and prevention strategies |
| C04 | To gain knowledge on the regulations and legislations related to milk and dairy products, and their relavant interpretations |
| C05 | Learns dairy industry in Turkey and in the world in general and possible applications and problems at the industry |
| C06 | Learns how to determine the suitability of milk and dairy products to related legal regulations, and gains knowledge on the determination of quality measurements |
| C07 | Be trained on safe and hygienic production, and how to prepare hygiene programs in plants |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |

| | |
|---|---|
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 6 | 2 | 12 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 10 | 10 |
| Practice | 14 | 2 | 28 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **92** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |
| C01 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |
| C02 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |
| C03 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |
| C04 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |
| C05 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |
| C06 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |
| C07 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET410 | VETERINARY FORENSICS MEDICINE | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | VET410 | VETERINARY FORENSICS MEDICINE | 1 | 1 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
This course objectives are giving information for history of forensic medicine, consultative authreity, laws and regulations, dead and their related reasons, the disease that has to be reported, domestic quarantina precautions, and preparation of health reports in the veterinary medicine.
**Teaching Methods and Techniques:**
Adli Tıp ve Veteriner Hekimliği Mevzuatı
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Asist Prof.Dr. Özgür Yaşar ÇELİK
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veterinary Forensic Medicine |
| **Resources** | : | veterinary forensic medicine |
| **Documents** | : | Veteriner adli tıp |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 100 |
| **Social Sciences** | : | | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | History of Veterinary Forensic Medicine | | |
| 2 | Consultative Authreity | | |
| 3 | veterinary legislation. | | |
| 4 | veterinary legislation. | | |
| 5 | Dead and Related Reasons | | |
| 6 | Dead and Related Reasons | | |
| 7 | The Diseases that has to be Reported | | |
| 8 | Midterm exam | | |
| 9 | The Diseases that has to be Reported | | |
| 10 | The Diseases that has to be Reported | | |
| 11 | Domestic Quarantina Precautions | | |
| 12 | Domestic Quarantina Precautions | | |
| 13 | Domestic Quarantina Precautions | | |
| 14 | Preparation of Health Reports | | |
| 15 | Preparation of Health Reports | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | knows the subject Forensic Veterinary Medicine, |
| C02 | Animal Health Security Act and Regulations Know and apply. |
| C03 | interprets the Civil Procedure Code. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 1 | 14 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 2 | 2 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **30** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 |
| C01 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| STJ402 | COMPULSORY SUMMER INTERNSHIP-II | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 8 | STJ402 | COMPULSORY SUMMER INTERNSHIP-II | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu
**Goals:**
Siirt University Veterinary Faculty to improve the knowledge and skills of students, to increase their professional visibility
**Teaching Methods and Techniques:**
to increase students' knowledge and skills in participating in routine applications made in selected institutions
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Tekin ŞAHİN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | veterinary faculty textbooks |
| **Resources** | : | veterinary faculty textbooks. |
| **Documents** | : | Veteriner Fakültesi ders kitapları |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 2 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 3 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 4 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 5 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 6 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 7 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 8 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 9 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 10 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 11 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 12 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 13 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |
| 14 | To follow the procedures that take place in the internship institution, to participate in their practices and to develop their sl | | veterinary faculty textbooks. |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Siirt University Veterinary Faculty to improve the knowledge and skills of students, to increase their professional visibility |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %20 |
| Practice | 0 | %80 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 1 | 60 | 60 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET525 | ANATOMY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET525 | ANATOMY | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To give terminology of basic anatomy, to teach in comparison with the morphological characteristics of locomotor system and nervous systems of domestic mammals.
**Teaching Methods and Techniques:**
Introduction to Anatomy, terminology, Chondrology and Osteology. Skull – Skull bones Vertebral column, Ribs and Sternum Thoracic Limb Pelvic Limb Introduction to Arthrology, skull, hyoid bone, joints and ligaments of vertebral column. Joints and ligaments of foreleg and hindleg. Introduction to myology, accessories of muscles , muscles of skind and head. Body axis and tail muscles. Forelimb muscles. Hindlimb muscles. Central nervous system, Brain, Spinal cord. Peripheral nervous system Peripheral nervous system Autonomic nervous system
**Prerequisites:**

**Course Coordinator:**
Bölüm Başkanı PROF. DR. EMİNE ÜMRAN BOZKURT BÜYÜKÇOPUR
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1- Veteriner Anatomi-Hareket Sistemi (T. Özgüden, A. Bahadır2010) |
| **Resources** | : | 2- Veteriner Anatomi-I (N. Dursun,2010) |
| **Documents** | : | 3- Veteriner Anatomi-Kemik,eklem,kas (M. Taşbaş, 2001) |
| **Assignments** | : | 4- Veteriner Anatomi-III (N. Dursun,2010) |
| **Exams** | : | 1- Textbook of Veterinary Anatomy ( Dyce, K.M.,1987, Philadelphia ) |
| | | 2- The Anatomy of the Domestic Animals I-II-III-IV- (Nickel, 1981, Berlin) |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 0 | **Education** | : | 0 |
| **Engineering** | : | 0 | **Science** | : | 0 |
| **Engineering Design** | : | 0 | **Health** | : | 0 |
| **Social Sciences** | : | 0 | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to Anatomy and General Osteologia | | |
| 2 | Appendicular skeleton | | |
| 3 | Bones of the pelvic limbs: Pelvic bone and diameters of pelvic, Thigh Bones of crus, Tarsal bones, Bones of digitorum pedi | | |
| 4 | Vertebral column: Cervical vertebrae, Thoracic vertebrae, Lumbar and sacral vertebrae. -Rib, Sternum | | |
| 5 | Cranial bones: Occipital, interparietal, sphenoidal, pterygoid, temporal, parietal, frontal, ethmoidal and vomer bones | | |
| 6 | -Facial bones: Nasal, lacrimal, maxillar, incisiv, palatine and zygomatic bones -Mandible, Hyoid bone | | |
| 7 | Structure and properties of joints, jaw joint, joints of the vertebral column, joints of the thorax, | | |
| 8 | MID EXAM | | |
| 9 | -Joints of the thoracic limb, shoulder joint, elbow joint, joints of the manus.-Joints of the pelvic limb, sacroiliac joint, hip joi | | |
| 10 | -Accessory organs of muscle- Skeleton muscles, skin muscles | | |
| 11 | -Muscles of head, muscles of neck, hyoid muscles, fascia. | | |
| 12 | -Dorsal muscles, thoracic muscles, diaphgram, abdominal muscles | | |
| 13 | Muscles of the thoracic limb, muscles of the pelvic limb.Synovial bursae, tendon sheaths | | |
| 14 | -Nares, nasal, rostral and nasolabial planes, nasal cavity. | | |
| 15 | -Cartilage of larynx, cavity of larynx, glottis, trachea, lungs, -Pleura mediastine | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | 1-Learning anatomy terminology which will form the basis of anatomy. |
| C02 | Learning main body systems and the basic concepts of systematic anatomy. |
| C03 | Learning domestic animals forming the subject of veterinary anatomy and their locations of zoological system. |
| C04 | Achieve to basic features of locomotor systems of domestic mammals (horse, cow, sheep, goat, pig, dog, cat, etc.) and constant anatomical similarities and differences between animal species. |
| C05 | Achieve to the basic features and differences of locomotor systems of domestic mammals and avian |
| C06 | Achieve to species identification on bones and muscles by taking into account the information pointed out above, |
| C07 | Achieve to the anatomical features of the nervous system of domestic mammals by comparing between species. |
| C08 | Achieve to basic information that may be based on general exenteration and clinical practice and can guide the physician. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 7 | 98 |
| Hours for off-the-c.r.stud | 14 | 5 | 70 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 18 | 18 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 24 | 24 |
| **Total Work Load** | | | **210** |
| **ECTS Credit of the Course** | | | **7** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 4 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C05 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C06 | 3 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C07 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C08 | 5 | 5 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET533 | BIOSTATISTICS | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET533 | BIOSTATISTICS | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
These derste students, together with all the basic topics of applied statistics; basic principles of researches and interpretation of the results obtained are aimed to gain knowledge skills and application skills.
**Teaching Methods and Techniques:**
These derste students, together with all the basic topics of applied statistics; basic principles of researches and interpretation of the results obtained are aimed to gain knowledge skills and application skills.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**
Asist Prof.Dr. Memiş BOLACALI
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Sokal, R. R. and F. J. Rohlf. (1995). Biometry, 3rd edition. W. H. Freeman and Co.: New York. 887 pp. |
| **Resources** | : | 2. Zar, J.H., (1999). Biostatistical Analysis, 4th edition, Prentice Hall Upper Saddle River New |
| **Documents** | : | Özdamar, K. (2001). SPSS ile Biyoistatistik. Eskişehir: Kaan Kitabevi, 343-360. |
| **Assignments** | : | |
| **Exams** | : | 1 Ara sınav, 1 Yarıyıl Sonu Sınavı |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 80 |
| **Social Sciences** | : | | **Field** | : 20 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to Statistics: Definitions and Basic Concepts | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 2 | Summarization and Frequency Distribution Tables | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 3 | Descriptive Statistics: Placement Measurements and Change Measurements | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 4 | Correlation and Regression Analysis | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 5 | Discrete Distributions: Binomial Distribution and Poisson Distribution | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 6 | Normal Distribution and Z Distribution | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 7 | Sampling Distribution and Hypothesis Control | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 8 | Midterm exam | | |
| 9 | t Distribution, Single Sample t and Z Test | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 10 | Two independent means and ratio comparisons | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 11 | Confidence Interval Calculation | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 12 | Comparison of two dependent sample averages (paired t test) | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 13 | Chi-square distribution and properties | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 14 | Chi-square test in one way classification | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |
| 15 | Chi-square test in two-way classification | Study of the subject planned to be learn | 1. Sokal, R. R. and F. J. Rohlf. (1995). B |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Listening and Understanding |
| C02 | Pre-planned special skills |
| C03 | Research, Lifelong Learning, Writing, Reading, Information |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 13 | 2 | 26 |
| Assignments | 2 | 2 | 4 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C01 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C02 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C03 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET527 | BIOCHEMISTRY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET527 | BIOCHEMISTRY | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu Seçmeli
**Goals:**
Explanation of the basic molecular structure and properties of the organism, the participation of these molecules in the synthesis and degradation pathways to learn
**Teaching Methods and Techniques:**
Coenzymes, Vitamins, Hormones, proteins, lipids, nükleic acid and enzyme subjects information about the fundamental conceps of biochemistry and general laboratory information
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Associate Prof.Dr. KIVANÇ IRAKAssociate Prof.Dr. MAHİRE BAYRAMOĞLU AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M, Başpınar N, Tiftik MA (2000) |
| **Resources** | : | Biyokimya, Konya. |
| **Documents** | : | 2. Ası T. (1996) Tablolarla Biyokimya. Cilt 1ve II. Nobel Tıp Kitabevleri, İstanbul. |
| **Assignments** | : | 3. Karagül H, Altıntaş A, Fidancı UR, Sel T (1999) Temel |
| **Exams** | : | Biyokimya Uygulmaları, Medisan, Ankara. |
| | | 1. Lehninger AL, Nelson DL, Cox MM (1993) Principles of Biochemistry, second Edition, United States of America. 2. McKee T, McKee JR (2003) Bioc |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Coenzymes (Metabolyte coenzymes, coenzymes that source from vitamins) | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 2 | Coenzymes (Lipoic acid, ubiquinone, prostetic groups obtained from modified aminoacid moities, group transfer proteins as | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 3 | Vitamins (Definition and importance of vitamins,Classification of vitamins, Fat soluble vitamins (Vitamin A,Vitamin D, Tocop | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 4 | Vitamins (water soluble vitamins) B group vitamins, Vitamin C, Vitamin like substances (Miyoinositol, Carnitine (Vitamin T) | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 5 | Hormones (Synthesis and general properties of hormones, transport in blood of hormones, Feed-back mechanism of horm | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 6 | Hormones (Hormones of hypothalamic, Hormones of hypophysis, Hormones of thyroid and parathyroid glands, Adrenocort | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 7 | Carbohydrate Metabolism TCA Cycle | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 8 | ARA SINAV | | |
| 9 | Protein Metabolism (Digestion of protein, absorption of peptides and amino acids, amino acid metabolism, transamination, | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 10 | Protein Metabolism (catabolism of carbon skeletons of amino acids, Nitrogen metabolism, Urea Biosynthesis, protein synth | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 11 | Nucleic Acids Metabolism | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 12 | Lipid Metabolism Absorption of lipids, Blood lipids and lipidemia, Metabolic pathways of lipids in liver, Fatty acids metabolisi | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 13 | Lipid Metabolism Eicosanoids, Triacylglycerol ve neutral lipids, Lipoproteins, Synthesis of asidic phospholipids, Synthesis of | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 14 | Biochemical functions of organe and tissues Cell and infracture members of cell, blood, kidneys and urine, Connective tissu | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |
| 15 | oxidative phosphorylation | Lecture Notes | 1.Kalaycıoğlu L, Serpek B, Nizamlıoğlu M |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns the coenzymes and vitamins |
| C02 | Learns the hormones |
| C03 | Learns the basic features of metabolism and metabolic products |
| C04 | This topic makes laboratory practices recognizes the chemical reaction of these molecules and learn to interpret the results. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 6 | 84 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 13 | 13 |
| Practice | 0 | 0 | 0 |
| Laboratory | 14 | 4 | 56 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **210** |
| **ECTS Credit of the Course** | | | **7** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 5 | 4 | 5 | 3 | 4 | 5 | 3 | 3 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| C01 | 5 | 4 | 5 | 5 | 4 | 5 | 3 | 4 | 5 | 3 | 3 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET501 | SURGICAL | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET501 | SURGICAL | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To provide students with knowledge and skills in clinical and pre-clinical areas related to surgery.
**Teaching Methods and Techniques:**
practice of diagnosis and treatment of surgical diseases
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Mustafa Barış AKGÜL
**Instructors:**
Asist Prof.Dr. Mustafa Barış AKGÜL
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | General surgery, Special surgery |
| **Resources** | : | small animal surgery |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 100 |
| **Social Sciences** | : | | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | asepsis, antisepsis aplication | | |
| 2 | cerahi uygulamarda kullanılan alet ve ekipmanların tanıtılması | | |
| 3 | yara tanımı sınıflandırılması ve tedavisi | | |
| 4 | ortopedik muayenenin yapılması | | |
| 5 | agız boşluğu muhayenesi ve hastalıkları | | |
| 6 | kulak muhayenesi ve hastalıkları | | |
| 7 | Ara sınav | | |
| 8 | gözün muhayenesi ve hastalıkları | | |
| 9 | karın boşluğu muhayenesi ve hastalıkları | | |
| 10 | fıtık çeşitleri ve sağaltımı | | |
| 11 | gingivitis sağaltımı | | |
| 12 | göğüs boşluğunun hastalıkları | | |
| 13 | kafa travmaları sağaltımı | | |
| 14 | genital sistem hastalıkları | | |
| 15 | central sinir sistemi hastalıkları | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | practical diagnosis and treatment of surgical patients |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 8 | 8 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 10 | 10 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 4 | 5 | 5 | 1 | 2 | 3 | 1 | 1 | 2 | 2 | 4 | 4 | 2 | 2 | 1 | 1 | 3 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET503 | OBSTETRICS AND GYNAECOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET503 | OBSTETRICS AND GYNAECOLOGY | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The aim of this course is to teach reproductive anatomy, Physiology, Endocrinology, sexual cycles and control of reproduction, examination of female genital organs, embryo transplantation, pregnancy physiology and pregnancy diagnosis, pregnancy pathology and abortion. Physiology of birth in pets, birth aid and power births postpartum period physiology and problems infertility and gynaecological operations to teach basic information. Anatomy of breast in pets, lactation, milking and milking hygiene, mastitis, breast skin and breast diseases, breast surgery operations to teach the basic information. Having knowledge about gynecological operations. The aim of this course is to teach the methods of imaging diagnosis at practical level. It is also intended as the complete ultrasound and other imaging techniques used frequently in reproduxia.
**Teaching Methods and Techniques:**
Anatomy of reproductive organs, reproductive physiology and Endocrinology, pubertas and sexual cycles, clinical uses of hormones, examination of female reproductive organs, control of reproduction, embryo transplantation, pregnancy physiology, pregnancy diagnosis, pregnancy pathology, abotus problem, prolapse vagina, birth issues. Birth, help in birth, fötotomi, caesarean operation, Power birth, postpartum period problems, postpartum infections, infertility in cows, metabolic diseases, infertility in mare, infertility in carnivores, infertility in Buffalo and camel, gynecological operations. The defense mechanism of the breast and lactation breast Anatomy and physiology, circulatory disorders of breast, breast skin lesions, predisposing factors mastitise, mastitis, mastitis control programs include such issues as breast operations. General anesthesia local anesthesia Asepsi and antisepsis cesarean operation episiotomy steam suture Flesssa (pin) application separate vulva suture right plate application ovarian-hysterectomy in cats ovarian-hysterectomy tumor augmentation operation mastectomy. Basic Imaging Techniques, Ultrasound Physics-I (Physical Properties Of Sound)) Ultrasound physics-III (artefact), ultrasound physics-IV (artefact), ultrasound Physics-v (basic interpretation techniques), ultrasound examination techniques, technological developments in ultrasound-I, technological developments in Ultrasound-II, ultrasound of genital organs (examination of ovaries), ultrasound of genital organs (examination of uterus), ultrasound of genital organs in cows (examination of ultrasonography and Fetometry), ovum pick-up/Opu in cows (examination of ovary organs),, folliculosynthesis, Use of ultrasonography in increasing reproductive efficiency in cows, use of ultrasonography in sheep and goats for reproductive purposes, use of ultrasonography in Mare for reproductive purposes Reproductive use of ultrasonography in cats and dogs, reproduction of ultrasonography in pigs, reproduction of breast ultrasonography in pets, reproduction of other imaging techniques.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. EBRU BİLEN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Çiftlik Hayvanlarındfa Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Fındık., M., Rişvanlı., A., Köker., A. Medipres, Malatya, 2015, 2. Arthur's Vete |
| **Resources** | : | Çiftlik Hayvanlarındfa Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Fındık., M., Rişvanlı., A., Köker., A. Medipres, Malatya, 2015, 2. Arthur's Vete |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | to make the diagnosis and treatment of the patients and to make the theoretical education applied | student working on issues. | Çiftlik Hayvanlarındfa Doğum ve Jinekolo |
| 2 | to measure students ' theoretical and practical knowledge. demonstrate the practical use of instruments and machines use | students working on issues. | Çiftlik Hayvanlarındfa Doğum ve Jinekolo |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | to successfully complete the theoretical consolidation of the courses taken during the undergraduate period and the internship in the direction of Medicine. |
| C02 | to apply theoretical and practical training on patients and patients and to diagnose and treat diseases. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 1 | %0 |
| Attendance | 0 | %0 |
| Practice | 14 | %100 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 2 | 0 | 0 |
| Hours for off-the-c.r.stud | 15 | 2 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 1 | 10 | 10 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 15 | 2 | 30 |
| Laboratory | 15 | 1 | 15 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **85** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 1 | 2 | 3 | 2 | 2 | 1 | 4 | 5 | 5 | 1 | 1 | 3 | 1 | 3 | 5 |
| C01 | 5 | 5 | 5 | 5 | 1 | 2 | 3 | 2 | 3 | 1 | 4 | 5 | 5 | 1 | 1 | 3 | 1 | 3 | 5 |
| C02 | 5 | 5 | 5 | 5 | 1 | 2 | 3 | 2 | 3 | 1 | 4 | 5 | 5 | 1 | 1 | 3 | 1 | 3 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET507 | REPRODUCTION AND ARTIFICIAL INSEMINATION | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET507 | REPRODUCTION AND ARTIFICIAL INSEMINATION | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Teaching of artificial inseminations in domestic animals, evaluation of semen by microsobic and macroscobic methods, practise in semen freezing, synchronization of estrus, estrus detection, usage of hormones
**Teaching Methods and Techniques:**
At the end of this course; Reproduction in cases of pet anatomical , hormonal, physiological and semen and sperm production technologies will gain the ability to solve problems experienced in growth will have information about . It will also acquire the knowledge and skills necessary for optimal fertility in domestic animals .
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. NİHAT ŞINDAK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Evcil Hayvanlarda Reprodüksiyon ve Sun?i Tohumlama, İleri İK, Ak K, Pabuççuoğlu S, Birler S (1998), 189-205, İÜ Vet. Fak. Yayınları, İstanbul |
| **Resources** | : | Bioteknology For Livestock Production Prepared. Fao. Pp.: 1-42, 63-120.,Reproduction in Farm Animals. (1993) Ed: Hafez ESE 5. Baskı.,Evcil Hayva |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Male reproductive system | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 2 | Examination of male reproductive system | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 3 | Gametogenesis | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 4 | Morphology of Spermatozoon | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 5 | Collection of semen | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 6 | Semen examination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 7 | Freezing of Semen | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 8 | Andrological examination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 9 | Reproductive anatomy in cows | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 10 | Reproductive Physiology | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 11 | Practical methods in estrus detection | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 12 | Technique rectal examination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 13 | Tecnique of Artificial Insemination | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |
| 14 | The usage of reproductive hormones in cows | Course of the study subjects planned to Evcil Hayvanlarda Reprodüksiyon ve Sur | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Give lecture related with artificial insemination |
| C02 | Learn the steps to be followed in monitoring the reproductive |
| C03 | Semen knows as microscopic and macroscopic examination and semen freezing to teach and practice |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 21 | 21 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 2 | 4 | 2 | 2 | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 2 | 2 | 4 | 2 | 3 | 2 |
| C01 | 5 | 5 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 3 |
| C02 | 4 | 5 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 3 |
| C03 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET511 | PHARMACOLOGY-TOXICOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET511 | PHARMACOLOGY-TOXICOLOGY | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Introduction to pharmacology Definitions, properties and sourches of drug, The pharmacokinetic and pharmacodinamics The basic principles of drug therapy
**Teaching Methods and Techniques:**
Pharmacokinetic and pharmacodynamics, The adverse effects of drugs, Drugs acting on the autonomic nervous system, Drugs acting on the central nervous system, Drugs acting on the cardiovascular system and digitalis, Antihistaminics, Drugs acting on the cardiovascular system and digitalis, Local anesthetics, Behavioral disorder drugs
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Farmakoloji I ders notu (B.Traş, M.Elmas, Yazar.E, 2010) |
| **Resources** | : | Genel Farmakoloji Ceylan,S., 2003 ,Veteriner Farmakoloji Cilt I, 4. baskı, Kaya S, 2006 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Pharmacokinetic and pharmacodynamics | | Veterinary Medicine E-Book: A textbook |
| 2 | Pharmacokinetic and pharmacodynamics | | Veterinary Medicine E-Book: A textbook |
| 3 | Pharmacokinetic and pharmacodynamics | | Veterinary Medicine E-Book: A textbook |
| 4 | The adverse effects of drugs | | Veterinary Medicine E-Book: A textbook |
| 5 | Drugs acting on the autonomic nervous system | | Veterinary Medicine E-Book: A textbook |
| 6 | Drugs acting on the central nervous system | | Veterinary Medicine E-Book: A textbook |
| 7 | Drugs acting on the cardiovascular system and digitalis | | Veterinary Medicine E-Book: A textbook |
| 8 | Pharmacokinetic and Pharmacodynamic interactions | | Veterinary Medicine E-Book: A textbook |
| 9 | Basic Principles in Antibacterial Treatment | | Veterinary Medicine E-Book: A textbook |
| 10 | Drug use from Respiratory System Diseases | | Veterinary Medicine E-Book: A textbook |
| 11 | Drugs Used in Cardiovascular Diseases | | Veterinary Medicine E-Book: A textbook |
| 12 | Drug Use in Breast and Uterine Infections | | Veterinary Medicine E-Book: A textbook |
| 13 | Behavioral disorder drugs | | Veterinary Medicine E-Book: A textbook |
| 14 | Mycotoxins and Their Importance for Health | | Veterinary Medicine E-Book: A textbook |
| 15 | Liquid Electrolyte Therapy Basic Principles | | Veterinary Medicine E-Book: A textbook |
| 16 | Drug Use in Endocrine System Disorders | | Veterinary Medicine E-Book: A textbook |
| 17 | Antiviral Drugs | | Veterinary Medicine E-Book: A textbook |
| 18 | The Importance of Residue | | Veterinary Medicine E-Book: A textbook |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Properties of the drugs acting body systems |
| C02 | Doses and usage drugs in the patients animal |
| C03 | The correct and conscious drug use |
| C04 | The correct and conscious drug use |
| C05 | Prescription writing with lesson topics in practise |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 13 | 13 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **105** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C01 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C02 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 1 | 3 | 4 | 4 | 2 | 2 | 2 | 5 |
| C03 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C04 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |
| C05 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 5 | 4 | 1 | 2 | 2 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET529 | PHYSIOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET529 | PHYSIOLOGY | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To provide pupils with the knowledge and skills of pet physiology
**Teaching Methods and Techniques:**
Cell Physiology, Blood and Circulatory System Physiology, Nervous System Physiology, Respiratory System Physiology, Digestive System Physiology, Endocrine System Physiology, Urinary System Physiology, Muscle Physiology, Heat and Environment Adaptation Physiology, Sensory Physiology
**Prerequisites:**

**Course Coordinator:**
Associate Prof.Dr. H.TURAN AKKOYUN
**Instructors:**
Associate Prof.Dr. H.Turan AKKOYUN
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 232/5000 1. Physiology: Baki YILMAZ 2. Physiology: Kemalettin YAMAN 3. Physiology in Life and Medicine: Ahmet NOYAN 4. Medical Physiology: A |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : 10 |
| **Engineering Design** | : | | **Health** | : 90 |
| **Social Sciences** | : | | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to physiology (definition and interest in physiology)fields) | | |
| 2 | Nervous system | | |
| 3 | Muscle physiology | | |
| 4 | Special Audiences | | |
| 5 | RESPIRATORY SYSTEM | | |
| 6 | Excretion and kidney functions | | |
| 7 | Blood physiology | | |
| 8 | the circulatory system | | |
| 9 | digestive system | | |
| 10 | Metabolism | | |
| 11 | HORMONES | | |
| 12 | REPRODUCTIVE PHYSIOLOGY | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learn the cell |
| C02 | Learn the tasks of the blood |
| C03 | Learn heart structure and EKG |
| C04 | Learn the function of the respiratory system |
| C05 | Learn nervous system function |
| C06 | Introduction to the excretory system - the kidney function |
| C07 | Learn muscle physiology |
| C08 | Learns hormones |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 3 | 42 |
| Assignments | 8 | 1 | 8 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 1 | 1 |
| Practice | 0 | 0 | 0 |
| Laboratory | 14 | 2 | 28 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **150** |
| **ECTS Credit of the Course** | | | **5** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C01 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C02 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C03 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C04 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C05 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C06 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C07 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| C08 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET537 | GENETIC | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET537 | GENETIC | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Provide information to the veterinary students to understand principle of inheritance, structure, function of genetic material and application of recombinant DNA technology.
**Teaching Methods and Techniques:**
Introduction to Genetics, Mendelian genetics, Chromosomes, DNA, Structure and functions of genes, Gene expression, Mutations, Chromosomal mutations, Molecular Genetic, Recombinant DNA technology, Population Genetics, Quantitaive Genetic, Epigenetics ,
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Ahmet Yıldırım ve ark. Nobel Yayınevi 2008 |
| **Resources** | : | Ahmet Yıldırım ve ark. Nobel Yayınevi 2008 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 0 | **Education** | : | 0 |
| **Engineering** | : | 0 | **Science** | : | 0 |
| **Engineering Design** | : | 0 | **Health** | : | 75 |
| **Social Sciences** | : | 0 | **Field** | : | 25 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Mendelian inheritance | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 2 | Extensions of Mendelian genetics | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 3 | Chromosomal inheritance | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 4 | Genetic linkage analysis | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 5 | Genetic material-DNA | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 6 | Structure and function of gene | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 7 | Control of gene expression | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 8 | Midterm exam | | |
| 9 | Mutations | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 10 | Chromosomal abnormalities | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 11 | Recombinant DNA technology | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 12 | Recombinant DNA technology | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 13 | Recombinant DNA technology | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 14 | Population genetics | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |
| 15 | Quantitative genetics | Course of the study subjects planned to | Ahmet Yıldırım ve ark. Nobel Yayınevi 2( |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | become familiar with Genetic science |
| C02 | The basic principles of heredity is given |
| C03 | Molecular biology is learned at a basic level |
| C04 | Information about recombinant DNA technology is provided |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 2 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 4 | 5 | 3 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 4 | 1 | 1 | 1 |
| C02 | 5 | 3 | 3 | 3 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 5 | 1 | 1 | 1 |
| C03 | 5 | 2 | 3 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 |
| C04 | 4 | 4 | 2 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET509 | FOOD HYGIENE AND TECHNOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET509 | FOOD HYGIENE AND TECHNOLOGY | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
Yes
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Food chemistry, sources of food contamination, food microbiology food infection and intoxication, principles of food preservation, hygiene of water and foods of animal origin, composition and microbiological spoilages of foods of animal origins.
**Teaching Methods and Techniques:**
Functions of proteins, lipids carbohydrates and water, Microorganisms in foods, Parasites, biological material, veterinary drug residues, toxic material in foods, Microbial contamination sources, contamination, intrinsic and extrinsic parameters effecting microbial growth in foods, Indicator microorganisms, indicators for food safety and sanitation, coliforms and fecal coliforms, Foodborne bacterial agents in infections and intoxications (Salmonella spp. pathogenic Escherichia coli, Shigella dysenteriae, Campylobacter spp., Vibrio cholera, Vibrio parahaemolyticus, Listeria moncytogenes, Yersinia enterocolitica, Staphylococcus aureus, Bacillus cereus, Clostridium perfringens, Clostiridium botulinum, other bacteria (Aeromonas spp., Brucella spp., Coxiella burnetii, Mycobacterium tuberculosis), Principles of food preservation (prevention of contamination, elimination of microorganisms, prevention of microbial growth – cold storage, freezing, high temperature applications, drying and concentration, addition of salt and sugar, high temperature applications, addition of preservatives, smoking, vacuum, controlled and modified atmosphere packaging, irradiation), Water hygiene: Importance of water, water requirement, cleaning of water, physical, chemical and microbiological properties of water, disinfection methods, Meat hygiene: Microbial spoilage in meat and meat products, anaerobic spoilage, aerobic spoilage, Meat hygiene: Microbial spoilage in different types of meat products ( fresh meat, cured meat, fermented sausage, hamburger, canned meat), Poultry meat hygiene: Nutritional value of poultry meat, quality parameters in poultry meat, poultry slaughter, spoilage of poultry meat, Egg hygiene: Egg composition, spoilage of egg, examination methods of egg, Seafood hygiene: Postmortem changes in fish, rigor mortis, putrification, properties of fresh fish, Milk hygiene: Microbial spoilage in milk
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Murat GÜLMEZ
**Instructors:**
Prof.Dr. Murat GÜLMEZ Asist Prof. Dr. Zelal KARAKOÇ
**Assistants:**
Research Assist. Sefa ÜnerResearch Assist. Kübranur Yıldız Bayhan

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | https://gidahijyeni.siirt.edu.tr/detay/vehip-2-dersi-mutlak-ogrenme-foyu/307819155.html |
| **Resources** | : | Principles of Food Sanitation (Marriott, Norman G., Gravani, Robert B. 2006) |
| **Documents** | : | https://gidahijyeni.siirt.edu.tr/detay/vehip-2-dersi-mutlak-ogrenme-foyu/307819155.html |
| **Assignments** | : | https://gidahijyeni.siirt.edu.tr/detay/vehip-2-dersi-mutlak-ogrenme-foyu/307819155.html |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 40 |
| **Social Sciences** | : | **Field** | : | 60 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Functions of proteins, lipids carbohydrates and water | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 2 | Microorganisms in foods | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 3 | Parasites, biological material, veterinary drug residues, toxic material in foods | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 4 | Microbial contamination sources, contamination, intrinsic and extrinsic parameters effecting microbial growth in foods | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 5 | Indicator microorganisms, indicators for food safety and sanitation, coliforms and fecal coliforms | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 6 | Foodborne bacterial agents in infections and intoxications (Salmonella spp. pathogenic Escherichia coli, Shigella dysenteriae | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 7 | Principles of food preservation (prevention of contamination, elimination of microorganisms, prevention of microbial growth | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 8 | Water hygiene: Importance of water, water requirement, cleaning of water, physical, chemical and microbiological properti | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 9 | Meat hygiene: Microbial spoilage in meat and meat products, anaerobic spoilage, aerobic spoilage | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 10 | Meat hygiene: Microbial spoilage in different types of meat products ( fresh meat, cured meat, fermented sausage, hambu | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 11 | Poultry meat hygiene: Nutritional value of poultry meat, quality parameters in poultry meat, poultry slaughter, spoilage of | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 12 | Egg hygiene: Egg composition, spoilage of egg, examination methods of egg | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 13 | Seafood hygiene: Postmortem changes in fish, rigor mortis, putrification, properties of fresh fish | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |
| 14 | Milk hygiene: Microbial spoilage in milk | Course of the study subjects planned to | 1. Food Science ( Potter, N. N., Hotchkis |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Basic chemical composition and microbiology of foods |
| C02 | Technological applications for food preservation |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 2 | 15 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 15 | 15 |
| Practice | 14 | 2 | 28 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 19 | 19 |
| **Total Work Load** | | | **134** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 5 | 5 | 3 | 5 | 1 | 1 | 5 | 2 | 1 | 4 | 3 | 4 | 2 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET513 | ANIMAL FEEDING AND FEEDING DISEASES | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET513 | ANIMAL FEEDING AND FEEDING DISEASES | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach the feeding of domestic animals, farm animals and laboratory animals, to teach the formulation of diets for different animals.
**Teaching Methods and Techniques:**
Log in Animal Nutrition , Nutrition Laying Chicken, Broiler Nutrition , Nutrition of Dairy Cattle, Beef Cattle Nutrition , Nutrition of the Dog and Cat , Feeding Horses , sheep and goats Nutrition
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yalçın, S., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hasta |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 25 |
| **Social Sciences** | : | **Field** | : | 75 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction of Animal Nutrition | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 2 | Nutrition of Laying Hens | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 3 | Nutrition of Broilers | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 4 | Nutrition of Turkeys, Ducks, Geese, Pheasants, Quails, Partridges, Pigeons | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 5 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 6 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 7 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 8 | Midterm exm. | | |
| 9 | Nutrition of Dairy Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 10 | Nutrition of Beef Cattle | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 11 | Nutrition of Dogs and Cats | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 12 | Mid-term Exam | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 13 | Nutrition of Horses | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 14 | Nutrition of Sheep | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |
| 15 | Nutrition of Goats | Course of the study subjects planned to | 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Ya |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | It learns more widely to nutrition of different animal species |
| C02 | It will have information on animal nutrition for evaluation of nutrient metabolism |
| C03 | It learns more widely to nutrition of different animal species |
| C04 | It knows the ways of protection and metabolic diseases induced by feeding in the animals |
| C05 | It learns that the maximum benefit from available feed resources and determines to their nutrient and energy requirements according to their different periods of farm animals |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 4 | 56 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 14 | 14 |
| **Total Work Load** | | | **105** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 2 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 3 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| C02 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| C04 | 5 | 4 | 1 | 1 | 2 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| C05 | 4 | 4 | 1 | 1 | 2 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET535 | ANIMAL HEALTH ECONOMY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET535 | ANIMAL HEALTH ECONOMY | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
At the end of the course, The student can examine livestock enterprises economic results and can evaluate cost/benefit ratio of animal diseases
**Teaching Methods and Techniques:**
Introduction to economics, General agricultural and livestock policy, Employment, Inflation, Money, National income, Supply, Demand, Market price , Consumer behavior, Choise of farm location, Production factor provide of input factor, Production planning of livestock enterprises, Cost of livestock enterprises, Economic evaluation of livestock enterprises, Animal health economics,
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Sakarya E, Cevger Y, Aral Y, Hayvancılık Ekonomisi, ISBN 978-975-06-1035-6 2013 |
| **Resources** | : | Sakarya E, Cevger Y, Aral Y, Hayvancılık Ekonomisi, ISBN 978-975-06-1035-6 2013 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | 40 | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 40 |
| **Social Sciences** | : | | **Field** | : | 20 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction to economics | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 2 | General agricultural and livestock policy | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 3 | Employment, Inflation | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 4 | Money, National income | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 5 | Supply | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 6 | Demand | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 7 | Market price | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 8 | Midterm exam | | |
| 9 | Consumer behavior | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 10 | Choise of farm location | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 11 | Production factor provide of input factor | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 12 | Production planning of livestock enterprises | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 13 | Cost of livestock enterprises | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 14 | Economic evaluation of livestock enterprises | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |
| 15 | Animal health economics | Course of the study subjects planned to | Sakarya E, Cevger Y, Aral Y, Hayvancılık |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | have knowledge about basic economic notions |
| C02 | Makes economic assessment and analysis of animal diseases |
| C03 | Evaluate the secrterol effects of Rural economy and basic economic policies |
| C04 | Evaluate the basic management functions in terms of livestock enterprises |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 6 | 6 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 12 | 12 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 3 | 1 | 1 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 4 | 1 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 3 | 5 | 1 | 1 | 4 | 1 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 4 | 1 | 1 | 3 | 1 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C04 | 5 | 4 | 1 | 1 | 3 | 1 | 1 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET531 | HISTOLOGY AND EMBRYOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET531 | HISTOLOGY AND EMBRYOLOGY | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The objective of the course is to teach the students the morphological and functional features of the cells and different tissues in domestic animals and fowls Description of embryology, spermatositogenesis, oogenesis, fertilization and divisions, developments from zygote in amphioxus, poultry and mammalians. Developments of embryonic sheets called as endoderm, ectoderm and mesoderm, and organs systems arised from those in mammalians and poultry.
**Teaching Methods and Techniques:**
Examination of histological structures and embryological development of cells, tissues and systems
**Prerequisites:**

**Course Coordinator:**

**Instructors:**
Prof.Dr. Nurhayat GÜLMEZ
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1. Özer, A., Girgin, A., Alabay B., Liman, N., Özfiliz, N., Gülmez, N., Özcan, |
| **Resources** | : | Z., Yörük, M., Erdost, H., Aslan, Ş., Ergün, L., Zık, B. (2008): Veteriner Özel Histoloji. Nobel Yayın Dağıtım Tic. Ltd. Şti. Ankara. |
| **Documents** | : | 2. Sağlam, M., Aştı, R.N., Özer, A. (2001): Genel Histoloji. Genişletilmiş 6. |
| **Assignments** | : | baskı, Yorum Matbaacılık, Ankara. |
| **Exams** | : | 3. Editör: Özer A,Yazarlar: Yakışık M, Özfiliz N, Erdost H, Zık B.Veteriner Embriyoloji (genişletilmiş ikinci baskı) U. Ü. Vet. Fak. Yayın No:2005-2, Bur |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Introduction, description of the cell and cytoplasm. | Course of the study subjects planned to | 1. Özer, A., Girgin, A., Alabay B., Liman, |
| 2 | Epithelial tissue and connective tissue cells | Course of the study subjects planned to | 1. Özer, A., Girgin, A., Alabay B., Liman, |
| 3 | Cartilage tissue and bone tissue | Course of the study subjects planned to | 1. Özer, A., Girgin, A., Alabay B., Liman, |
| 4 | Blood tissue | Course of the study subjects planned to | 1. Özer, A., Girgin, A., Alabay B., Liman, |
| 5 | Muscle tissue | Course of the study subjects planned to | 1. Özer, A., Girgin, A., Alabay B., Liman, |
| 6 | Nerve Tissue | Course of the study subjects planned to | 1. Özer, A., Girgin, A., Alabay B., Liman, |
| 7 | Intraductions. | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 8 | Gamete, menstrual cycle, fertilization | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 9 | Development of poultry | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 10 | development of mammalia | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 11 | placenta | Course of the study subjects planned tc | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 12 | embriyonic of nerve and sensory system | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 13 | embriyonic development of digestive and respiratory system | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |
| 14 | Embiyonic development of urogenital system | Course of the study subjects planned to | 1. Editör: Özer A,Yazarlar: Yakışık M, Oz |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | The recognition of the cell and tissues at microscopic level. It has preliminary knowledge about the genital system in mammals and poultry, learns the formation of gametogenesis and germ cells. I |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 2 | 28 |
| Hours for off-the-c.r.stud | 12 | 2 | 24 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 4 | 4 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 4 | 4 |
| **Total Work Load** | | | **60** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET505 | INTERNAL MEDICINE | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET505 | INTERNAL MEDICINE | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
internal diseases, especially organ diseases, infectious diseases, parasitic diseases, metabolic diseases, trace elements and vitamins Clinical applications of deficiencies We aim from symptom to diagnos urinary system disorder's analyze , diagnos and recovery.
**Teaching Methods and Techniques:**
Etiopathogenesis of nervous system diseases. Diagnosis approaches in diseases 2 General clinical manifestations of nervous system diseases. disease imaging 3 General and special examination of nervous system diseases Analysis methods 4 General treatment and prevention principles of the nervous system. , Urine examinations 5 Congenital diseases of the central nervous system. 6 Viral diseases of the nervous system. glomerulopathy 7 Bacterial diseases of the nervous system. Acute renal failure 8 Transferable diseases of the nervous system. Acute renal failure 9 Protozoal diseases of the nervous system. 10 Parasitic diseases of the nervous system. Chronic renal failure 11 Diseases related to vitamin insufficiency of the nervous system. system infections 12 Diseases of the nervous system to develop into toxicity. 13 Neuromuscular diseases.Prostate diseases 14 Spinal cortical disorders with peripheral nerve failure carrotizing diseases.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Gülşah AKGÜL
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner İç Hastalıkları, Yeni Doğanların İç Hastalıkları, İç Hastalıklarına Giriş |
| **Resources** | : | Ruminants' Internal Medicine |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Aetio-pathogenes of diseases of nervous system General clinic finding of diseases of nervous system . Diagnos methods o | | |
| 2 | General and spesific examination methods of diseases of nervous system. Imaging in urinary system disorders. | | |
| 3 | General treatmant and prevent methods of diseases of nervous system.Case analyzes. | | |
| 4 | Congenital diseases of central nervous system.Urin analyzes. | | |
| 5 | Viral diseases of nervous system.Azotemie and uremie | | |
| 6 | Bacterial diseases of nervous system.Glomerulopaty | | |
| 7 | Transmision of bovine spongioform encephalopathy of ruminants.Akut renal failure | | |
| 8 | Midterm | | |
| 9 | Protozoal diseases of nervous system.Parasiter diseases of nervous system.Akut renal failure | | |
| 10 | Nervous system diseases characteristic with vitamin deficiency .Chronic renal failure | | |
| 11 | Nervous system disorder associated with toxic metals and ions .Chronic renal failure. | | |
| 12 | Nuoromusculer disorders. Urinary system infections | | |
| 13 | Spinalcord disorders. Urolithiazis | | |
| 14 | Spinalcord disorders . Prostatic disorders | | |
| 15 | Peripheral neuropati . Urinary inkontinents. | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | knows information about Cats and dogs Gastroenterology |
| C02 | knows about ruminants and horse Gastroenterology. |
| C03 | knows veterinary neurology |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 10 | %40 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 3 | 45 |
| Hours for off-the-c.r.stud | 15 | 1 | 15 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 10 | 1 | 10 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 2 | 2 |
| **Total Work Load** | | | **72** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| C01 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C02 | 4 | 5 | 5 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C03 | 5 | 5 | 5 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET515 | MICROBIOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET515 | MICROBIOLOGY | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Zorunlu Seçmeli
**Goals:**
To teach biology of the microorganisms, to define host-microorganism-environment interactions, to give hygiene and sterilisation principles, to get students acquired fundamental bacterioscopic methods. Students are expected to acquire a basic medical how microorganisms live, react and grow in various conditions.
**Teaching Methods and Techniques:**
General Characteristics of Bacteria, Phenotypic Variations, Genetics of microoragnisms, Transfer of hereditary material, Examination, Extracromosomal genetic elements, Bacteria viruses, pathogenicity, Microbial Antigens, Morphology of fungi, Metabolism of fungi, Viruses, Biotecnology
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | TEMEL MİKROBİYOLOJİ (2000) Arda M, Medisan, Ankara. |
| **Resources** | : | VETERİNER MİKROBİYOLOJİ (2006) Aydın N, Paracıkoğlu J. İlke-Emek Yayınları, Ankara.,VETERINARY MICROBIOLOGY and MICROBIAL DISEASE ( |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | World and Turkish history of microbiology | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 2 | Morphology, chemical structures, nutrition, enzymes | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 3 | Metabolism, Factors affecting growth | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 4 | Morphologic, cultural and others | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 5 | Genomic material of microorganisms, nucleic asids | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 6 | Tranformation, conjugation, transduction | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 7 | Middle exam | | |
| 8 | Plasmids, episomes, etc | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 9 | Bacteriophages, infection mechanism | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 10 | Antigens from bacteria, fungi and viruses | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 11 | Microscopic, macroscopic characterization | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 12 | Nutrition, physiology, and metabolism | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 13 | General characteristics of vruses | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |
| 14 | Clonning, amplification, typing | Research on the subject | Temel Mikrobiyoloji, Mustafa Arda, Medi |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Biosafety of microbiology laboratory |
| C02 | Collection of infected material, and sent to laboratory for diagnosis |
| C03 | Culture prosess for bacteria isolation |
| C04 | Identification of cultured bacteria |
| C05 | Determination of general acter of isolated bacteria |
| C06 | Determination of antigenic acter of bacteria |
| C07 | Determination of physiological acter of bacteria |
| C08 | The relationship between host and bacteria |
| C09 | The course of infection mechanism |
| C10 | The course of antimicrobial susceptibility |
| C11 | Elimination of bacterial agent from enviroment |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 1 | 14 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 12 | 12 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 22 | 22 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C01 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C02 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C03 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C04 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C05 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C06 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C07 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C08 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C09 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C10 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |
| C11 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 3 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET517 | PARASITOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET517 | PARASITOLOGY | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To teach the basic concepts of Parasitology
**Teaching Methods and Techniques:**
Introduction of parasitology, Medical and veterinary importance of the parasites, Host-parasite relationsheep, The types of parasitism according to the host parasite relationsheep, History of parasitology, Localisations of the parasites in hosts, Development of parasites, Nomenculature of parasites and parasitic diseases, Origines of parasites, Reproduction of parasites, Pathogenicity of parasitic diseases, Epidemiology of parasitic diseases, Immunity of parasitic diseases, Symptoms of parasitic diseases, Prognose, treatment and control of parasitic diseases
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Güçlü, F. (1999):Genel Parazitoloji, S.Ü.Veteriner Fakültesi Yayınları |
| **Resources** | : | Medikal parazitoloji, Yaşarol Ş, sayfa 1-29 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Definition of parasitology, importance of parasitic diseases. | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 2 | Host-parasite relationsheep | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 3 | The types of parasitism according to the host parasite relationsheep | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 4 | History of parasitology | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 5 | Localisations of the parasites in hosts | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 6 | Development of parasites | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 7 | Nomenculature of parasites and parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 8 | Midterm exam | | |
| 9 | Origines of parasites | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 10 | Reproduction of parasites | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 11 | Pathogenicity of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 12 | Epidemiology of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 13 | Immunity of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 14 | Symptoms of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |
| 15 | Prognose, treatment and control of parasitic diseases | Research on the lesson. | Güçlü, F. (1999):General Parasitology, ( |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Definition of Parasitology and the importance of Parasitic diseases in Turkey teaches |
| C02 | Live coexistence of forms and types of parasitism learns. |
| C03 | Parasites and parasitic diseases to be named teaches. In addition, the origin of parasites, reproduction, adaptation and harmful effects teaches. |
| C04 | Parasitic diseases, allergy and hypersensitivity reactions (hypersensitivity) teaches. |
| C05 | Parasitic diseases, symptoms, prognosis, treatment and prevention teaches. |
| C06 | Have knowledge about parasitic zoonoses. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 3 | 42 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 5 | 5 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **90** |
| **ECTS Credit of the Course** | | | **3** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C01 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C02 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C03 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C04 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C05 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |
| C06 | 5 | 5 | 4 | 3 | 2 | 1 | 5 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET519 | PATHOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET519 | PATHOLOGY | 0 | 0 | 2 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To explain the macroscopic and microscopic features, aetiology and pathogenesis of the diseases, classification of diseases according to the animal species and organs in related systems (veterinary oncology, digestive system, hepatobiliary system, respiratory system).
**Teaching Methods and Techniques:**
General information about tumors, causes and clinicopathologic effects of tumors, Diagnosis and treatment principles of tumors, epithelial and mesenchymal tumors, Melanocytic, nervous, lymphoid and haemop. systems, and mix tumors, Pathology of oral cavity, Tonsils, pharynx, esophagus pathology, Forestomachs and stomach pathology, Small and large intestine pathology, The liver and biliary system pathology, The liver and biliary system pathology, Pancreas, peritoneum and peritoneal cavity pathology, Trachea, bronchi and bronchioli pathology, Pneumonias, Pleura and thoracal cavity pathology
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Zelal KARAKOÇ
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçıvanlar Basım, Konya, 2000 |
| **Resources** | : | Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçıvanlar Basım, Konya, 2000 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | definition and development of inflammation, causes of inflammation, vascular changes, liquordiapedesis, cell exudation, va | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 2 | exudative, alterative, proliferative, granulomatous, classification of the inflammations according to the duration | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 3 | disease causes and response to infection | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 4 | Necrozis | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 5 | degeneration | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 6 | metabolic disorders | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 7 | circulatory disorders | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 8 | immunopatology | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 9 | cell growth disorders | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 10 | cell differentiation disorders | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 11 | anomalies | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 12 | inclusion bodies | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 13 | inclusion bodies | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |
| 14 | topic repetition | Course of the study subjects planned to | Veteriner Genel Patoloji, Prof. Dr. Hüdav |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | the ability of patients to identify morphopathogenesis of ethio |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 12 | 3 | 36 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 7 | 7 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 5 | 5 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| SEÇ005/1 | VEHİP PERIOD-I | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | SEÇ005/1 | VEHİP PERIOD-I | 32 | 24 | 30 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Consolidation of Veterinary Medicine Education
**Teaching Methods and Techniques:**
Courses for completion of Veterinary Medicine Education
**Prerequisites:**

**Course Coordinator:**

**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Textbooks related to the field |
| **Resources** | : | |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Basic Sciences | | |
| 2 | Basic Sciences | | |
| 3 | Basic Sciences | | |
| 4 | Basic Sciences | | |
| 5 | Preclinical Sciences | | |
| 6 | Preclinical Sciences | | |
| 7 | Preclinical Sciences | | |
| 8 | Preclinical Sciences | | |
| 9 | Clinical Sciences | | |
| 10 | Clinical Sciences | | |
| 11 | Clinical Sciences | | |
| 12 | Clinical Sciences | | |
| 13 | Clinical Sciences | | |
| 14 | zootechnics and Animal Nutrition | | |
| 15 | zootechnics and Animal Nutrition | | |
| 16 | Food Hygiene and Technology | | |
| 17 | Food Hygiene and Technology | | |
| 18 | final examination | | |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %100 |
| **Total** | | **%100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 18 | 8 | 144 |
| Hours for off-the-c.r.stud | 10 | 3 | 30 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 100 | 7 | 700 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 10 | 2 | 20 |
| **Total Work Load** | | | **894** |
| **ECTS Credit of the Course** | | | **30** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET539 | VETERINARY MEDICINE HISTORY AND DEONTOLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET539 | VETERINARY MEDICINE HISTORY AND DEONTOLOGY | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Aim: To recognize the students with the historical viewpoints at the professional of veterinary medicine, determine the place of veterinary profession from past to present time to supply their orientation to the profession faculty of veterinary (To orientate the students to the faculty veterinary profession)
**Teaching Methods and Techniques:**
Development of Veterinary medicine from the early age of first domestication of animals until now also the improvement of Veterinary medicine teaching in Turkey in the world were taught.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**
Asist Prof.Dr. Memiş BOLACALI
**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | 5. Dunlop, R., Williams, D.J. (1996). Veterinary Medicine - An Illustrated History,2. Bekman, M. (1940). History of Veterinary Medicine,3. Erk, N. (1 |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | | |
|---|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : | |
| **Engineering** | : | | **Science** | : | |
| **Engineering Design** | : | | **Health** | : | 60 |
| **Social Sciences** | : | 40 | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | The higher educational conception, its institutes academic staff, the historical development of the universities in Turkey in t | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 2 | The place of veterinary medicine in university system other professions | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 3 | The place importance of the history of veterinary medicine in veterinary curriculum relations between veterinary history his | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 4 | The sources of the history of veterinary medicine | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 5 | The paradigms of diseases curative methods through the history | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 6 | The profile of the veterinary medicine from past to the present veterinarians in different civilisations | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 7 | The history of scientific veterinary medicine in Turkey in the world | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 8 | Midterm | | |
| 9 | The organisation of veterinary medicine in Turkey | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 10 | International organisations veterinary medicine | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 11 | Veterinary medicine human health | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 12 | The pioneers of veterinary medicine in Turkey | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 13 | Deontology within the scope of veterinary medicine (conceptions approaches) | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 14 | Professional deontology - I | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |
| 15 | Professional deontology – II | Course of the study subjects planned to 1. | Yaşar, A. (2005). Histo |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Development of Veterinary medicine from the early age of first domestication of animals until now also the improvement of Veterinary medicine teaching in Turkey in the world were taught. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 1 | 15 |
| Hours for off-the-c.r.stud | 10 | 1 | 10 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 18 | 18 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 20 | 20 |
| **Total Work Load** | | | **63** |
| **ECTS Credit of the Course** | | | **2** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 4 | 1 | 1 | 5 | 1 | 1 | 1 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C01 | 5 | 5 | 2 | 2 | 5 | 2 | 2 | 2 | 3 | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET521 | VIROLOGY | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET521 | VIROLOGY | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
The objective of this course are to introduce to the students the viral disease of domestic animals.
**Teaching Methods and Techniques:**
Foot and mouth disease, Bovine Viral Diarrhea-Mucosal Disease, Border Disease, Louping İll, Feline İnfectious Peritonitis, Rabies, Bovine Ephemeral Fever, Parainfluenza-3 virus in cattle, Rinderpest virus, Distemper, Respiratory Syncytial Virus , Equine Influenza, Akabane, Blue Tongue, African Horse Sickness, Bovine Leucosis-Sarcom Complex, Maedi-Visna, Equine İnfectious Anemia, Caprine Arthritis Encephalitis Virus, Feline Calicivirus , Torovirus of Cattle, Equine İnfectious Arteritisi, Scrapie, Bovine Spongioform encephalitis, Borna Disease, Bovine papillamatosis, Canine Oral Papillamatosis, Adenovirus İnfection of Cattle, Canine İnfectious Laryngotracheitis, Hepatitis Contagiosa Canis, Infectious Bovine Rhinotracheitis, Bovine Mamillitis, Coryza Gangreonosa Bovum, Caprine Herpesvirus, Equine Rhinopneumonitis, Herpesvirus Canis İnfection, Feline Viral Rhinotracheitis, Parvoviral İnfection, Cow pox virus, Sheep pox virus, Goat pox virus, Paravaccinia İnfection, Stomatitis Vesicularis, Ectyma Contagiosum, Investigation of viral propagation in cell culture, Diagnostic test of noncytopathogenic virus, Macrotitration test, Microtitration test, Plak test, Macroneutralisation – Microneutralisation, Plak reduction test, Hemaglutination - Hemaglutination inhibition test, Hemadsorbsiyon test, Complement Fikzation test, Agar gel presipitation test, Immunofluorescence test - Immunoperoxidase test, ELISA, Electroforez
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. BURÇAK ASLAN
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | ÖZEL VİROLOJİ (Prof.Dr.İbrahim BURGU-Prof.Dr.Yılmaz AKÇA) Veterinary Virology (Murphy F.A., Gibbs E.P.J., Horzinek M.C., Studdert M.J. 1999) |
| **Resources** | : | Vyrology-Prof.Dr.Kadir Yeşilbağ, Prof.Dr.Mehmet Çabalar |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Foot and mouth disease, Bovine Viral Diarrhea-Mucosal Disease, Border Disease | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 2 | Louping Ill, Feline Infectious Peritonitis, Rabies, Bovine Ephemeral Fever | Research on the lesson | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 3 | Parainfluenza-3 virus in cattle, Rinderpest virus, Distemper, Respiratory Syncytial Virus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 4 | Equine Influenza, Akabane, Blue Tongue, African Horse Sickness | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 5 | Bovine Leucosis-Sarcom Complex, Maedi-Visna, Equine Infectious Anemia | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 6 | Caprine Arthritis Encephalitis Virus, Feline Calicivirus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 7 | Torovirus of Cattle, Equine Infectious Arteritisi, Scrapie, Bovine Spongioform encephalitis, Borna Disease | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 8 | midterm | | |
| 9 | Bovine papillamatosis, Canine Oral Papillamatosis, Adenovirus Infection of Cattle | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 10 | Canine Infectious Laryngotracheitis, Hepatitis Contagiosa Canis | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 11 | Infectious Bovine Rhinotracheitis | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 12 | Bovine Mamillitis, Coryza Gangreonosa Bovum, Caprine Herpesvirus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 13 | Equine Rhinopneumonitis, Herpesvirus Canis Infection, Feline Viral Rhinotracheitis | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 14 | Parvoviral Infection, Cow pox virus, Sheep pox virus, Goat pox virus | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |
| 15 | Paravaccinia Infection, Stomatitis Vesicularis, Ectyma Contagiosum | Research on the lesson. | OZEL VIROLOJI (Prof.Dr.Ibrahim BURGU |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | General information of clinic and laboratory diagnostic methods of viral infections |
| C02 | Preventive procedures from viral infections and transport of suspected material from animals with viral infections |
| C03 | Importance of environment and public health biosecurity, zoonotic diseases |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 15 | 4 | 60 |
| Hours for off-the-c.r.stud | 9 | 2 | 18 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 9 | 9 |
| **Total Work Load** | | | **94** |
| **ECTS Credit of the Course** | | | **3** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |
| C01 | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |
| C02 | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 4 |
| C03 | 5 | 3 | 4 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 4 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET523 | ANIMAL BREEDING | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 9 | VET523 | ANIMAL BREEDING | 0 | 0 | 1 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
Sheep, goats , chickens and to provide basic information to students in pig breeding issues. According to the types of pet breeds , morphological and physiological characteristics, growing conditions, shelter and landscaping.
**Teaching Methods and Techniques:**
Includes general informations sheep and goat breeds in the World and Turkey, sheep and goat barns, breeding knowledge and technical works, hen breeds, hen hutchs, hutch conditions, equipments, breeding mthods, broiler and laying hens incubation and incubation technology.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Memiş BOLACALI
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1) AKÇAPINAR Halil (1994). Koyun Yetiştiriciliği. Anakara Üniversitesi Veteriner fakültesi, Ankara 2) KAYMAKÇI Mustafa, AŞKIN Yücel (1997). Keçi Y |
| **Resources** | : | 1) AKÇAPINAR Halil (1994). Koyun Yetiştiriciliği. Anakara Üniversitesi Veteriner fakültesi, Ankara 2) KAYMAKÇI Mustafa, AŞKIN Yücel (1997). Keçi Y |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | | **Education** | : |
| **Engineering** | : | | **Science** | : |
| **Engineering Design** | : | | **Health** | : 20 |
| **Social Sciences** | : | | **Field** | : 80 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Economic importance of sheep | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 2 | Domestication of sheep | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 3 | Sheep breeds of Turkey | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 4 | Sheep breeds of World | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 5 | Reproductive Traits of Sheep | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 6 | Management applications in Sheep Husbandry | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 7 | Goat breeding | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 8 | Midterm exam | | |
| 9 | Wool of sheep and mohair of goat knowledge | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 10 | Chicken breeds, Chicken breeding knowledge, Poultry houses and equipments | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 11 | Poultry houses and equipments, Environmental factors in hen houses, Evaluation of egg quality, Behaviour of the chickens, | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 12 | Selection and culling methods, Physiologic needs of chickens | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 13 | Broiler Rearing, Breeder rearing, Layer hen rearing | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 14 | Hatchery knowledge | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |
| 15 | Pig rairing | Course of the study subjects planned to | 1) AKÇAPINAR Halil (1994). Koyun Yetiş |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | To learn sheep and goat breeds |
| C02 | Getting basic knowledge about sheep-goat barns and technical works |
| C03 | To learn the products obtained in sheep and goat and the caharacteristics of these products |
| C04 | Getting basic knowledge about layer and broiler hen beeds, the breeding of these hen breeds |
| C05 | To learn hutches and hutches conditions |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 14 | 5 | 70 |
| Hours for off-the-c.r.stud | 14 | 2 | 28 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 1 | 7 | 7 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 15 | 15 |
| **Total Work Load** | | | **120** |
| **ECTS Credit of the Course** | | | **4** |

**Course Contribution To Program**

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C01 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C02 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| C03 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| C04 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | | 1 |
| C05 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET504 | FARM ANIMALS BREEDING AND MEDICINE GROUP | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 10 | VET504 | FARM ANIMALS BREEDING AND MEDICINE GROUP | 32 | 24 | 30 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To increase the ability to produce practical solutions to problems encountered in real life.
**Teaching Methods and Techniques:**
To inform students about cattle, horse, sheep, goat and pig breeding, care feeding and examination and treatment of diseases, to reinforce the knowledge by creating more practice opportunities.
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Mustafa Barış AKGÜL
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | 1- Veterinary Medicine, Blood D.C., Radostitis O.M., X. ed., London, 2007 |
| **Resources** | : | 2- Sheep and Goat Medicine- Pugh, D.G., Philadelphia, 2002 |
| **Documents** | : | 3- Bovine Medicine-Diseases and Husbandry of Cattle, Andrews A.H., London, 2007 |
| **Assignments** | : | 4- Large Animal Internal Medicine-Smith BP, Philadelphia, 2009 |
| **Exams** | : | 5- Herd Health. Food Animals Production Medicine. Otto M. Radostits. Ed. Linda L. Duncan. 3th edition,2001, W.B. Saunders Company,<br>6- Yemler, yem hijyeni ve teknolojisi (Düzeltilmiş 2. baskı). Ergun, A., Tuncer, D. S., Colpan, İ., Yalcın,S., Yıldız, G., Kücükersan, K., Kücükersan, S. |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | 100 |
| **Social Sciences** | : | **Field** | : | |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Applies diagnosis, treatment and prevention of diseases of farm animals in hospital, faculty farm and mobile clinic. Particip | | |
| 2 | Applies diagnosis, treatment and prevention of diseases of farm animals in hospital, faculty farm and mobile clinic. Particip | | |
| 3 | Applies diagnosis, treatment and prevention of diseases of farm animals in hospital, faculty farm and mobile clinic. Particip | | |
| 4 | Applies diagnosis, treatment and prevention of diseases of farm animals in hospital, faculty farm and mobile clinic. Particip | | |
| 5 | Performs surgical interventions on farm animals in a hospital, faculty farm and mobile clinic setting. Participates in feeding | | |
| 6 | Performs surgical interventions on farm animals in a hospital, faculty farm and mobile clinic setting. Participates in feeding | | |
| 7 | Performs surgical interventions on farm animals in a hospital, faculty farm and mobile clinic setting. Participates in feeding | | |
| 8 | Performs surgical interventions on farm animals in a hospital, faculty farm and mobile clinic setting. Participates in feeding | | |
| 9 | Performs surgical interventions on farm animals in a hospital, faculty farm and mobile clinic setting. Participates in feeding | | |
| 10 | Performs surgical interventions on farm animals in a hospital, faculty farm and mobile clinic setting. Participates in feeding | | |
| 11 | It deals with reproduction, birth aid, udder health, artificial insemination and infertility in farm animals in hospitals, faculty | | |
| 12 | It deals with reproduction, birth aid, udder health, artificial insemination and infertility in farm animals in hospitals, faculty | | |
| 13 | It deals with reproduction, birth aid, udder health, artificial insemination and infertility in farm animals in hospitals, faculty | | |
| 14 | It deals with reproduction, birth aid, udder health, artificial insemination and infertility in farm animals in hospitals, faculty | | |
| 15 | Relationships between internal and external environmental conditions and animal welfare in animal farms. Taking samples | | |
| 16 | Relationships between internal and external environmental conditions and animal welfare in animal farms. Taking samples | | |
| 17 | Relationships between internal and external environmental conditions and animal welfare in animal farms. Taking samples | | |
| 18 | Relationships between internal and external environmental conditions and animal welfare in animal farms. Taking samples | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Bioclimatology and adaptation in sheep and goats: The distribution of small animals in the climatic conditions, definition of the stress caused by the environment, mechanism of regulation of body t |
| C02 | Computerized herd management programs: package programs developed for computerized herd management, content and functions of herd management package programs, interpretation of usag |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %100 |
| **Total** | | **%100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 18 | 8 | 144 |
| Hours for off-the-c.r.stud | 1 | 100 | 100 |
| Assignments | 0 | 0 | 0 |
| Presentation | 10 | 10 | 100 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 100 | 5 | 500 |
| Laboratory | 9 | 2 | 18 |
| Project | 1 | 10 | 10 |
| Final examination | 1 | 40 | 40 |
| **Total Work Load** | | | **912** |
| **ECTS Credit of the Course** | | | **30** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 4 | 4 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| C02 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET508 | FOOD SAFETY AND TECHNOLOGY GROUP | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 10 | VET508 | FOOD SAFETY AND TECHNOLOGY GROUP | 32 | 24 | 30 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To provide practical training at the level of slaughterhouse veterinary medicine (duration of training is 5 working days).
**Teaching Methods and Techniques:**
Slaughter operations Slaughterhouse medicine practice -Meat cutting and grading Slaughterhouse medicine practice -Official duties and powers Slaughterhouse medicine practice – Discussion with experienced physicians
**Prerequisites:**

**Course Coordinator:**
Prof.Dr. Murat GÜLMEZ
**Instructors:**
Prof.Dr. Murat GÜLMEZ
**Assistants:**
Research Assist. Kübranur Yıldız Bayhan

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | |
| **Resources** | : | Lecture notes were written specifically for the course by the department professors and posted on the relevant web page for the benefit of student |
| **Documents** | : | |
| **Assignments** | : | https://gidahijyeni.siirt.edu.tr/detay/vehip-1-dersi-mutlak-ogrenme-foyu/551614732.html |
| **Exams** | : | |

## Course Category

| | | | | |
|---|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : | |
| **Engineering** | : | **Science** | : | |
| **Engineering Design** | : | **Health** | : | |
| **Social Sciences** | : | **Field** | : | 100 |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | Antemortem examinations | Students repeat the resources of the the | https://gidahijyeni.siirt.edu.tr/detay/et-r |
| 2 | Postmortem examinations | The students repeats to study the lesson | https://gidahijyeni.siirt.edu.tr/detay/et-r |
| 3 | Meat cuts and carcass gradings | The students repeat the lesson "Meat in | https://www.siirt.edu.tr/admin-cp/Menu |
| 4 | Meat packaging and preservation. | Students repeat the resources of the the | https://gidahijyeni.siirt.edu.tr/detay/et-r |
| 5 | Some meat analayses: Ichterus, postmortem rigor follow-up, bloodness, putrefacation tests. | Students repeat the resources of the the | https://gidahijyeni.siirt.edu.tr/detay/et-r |

## Recommended Optional Programme Components

VET408 MEAT INSPECTION AND TECHNOLOGY
VET424 CLINICAL PRACTICE-III
VET515 MICROBIOLOGY
VET517 PARASITOLOGY
VET519 PATHOLOGY
VET521 VIROLOGY
VET525 ANATOMY

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Learns antemortem examining and aplly it. |
| C02 | Knows postmortem examining and apply it. |
| C03 | Knows carcass meat cuts and meat grading. |
| C04 | Knows meat packaginf and storage. |
| C05 | Knows and makes analyzes that can be done on meat. These analyzes are rigor follow-up, pH, ichterus test, putrefaction tests and bloodiness tests. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 1 | %40 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 12 | 1 | 12 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 4 | 1 | 4 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 4 | 1 | 4 |
| Laboratory | 12 | 1 | 12 |
| Project | 0 | 0 | 0 |
| Final examination | 1 | 1 | 1 |
| **Total Work Load** | | | **33** |
| **ECTS Credit of the Course** | | | **1** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P04 | P05 | P07 | P10 | P11 | P15 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 |
| C01 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | |
| C02 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | |
| C03 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | |
| C04 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | |
| C05 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET510 | POULTRY BREEDING AND MEDICINE GROUP | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 10 | VET510 | POULTRY BREEDING AND MEDICINE GROUP | 32 | 24 | 30 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
This course is taught that bacterial, viral, fungal, parasitic diseases of poultry, etiology, pathogenesis, clinical presentation, pathology and diagnosis, treatment and prevention methods, herd management (including GP is applied), hatchery health management, and poultry vaccines
**Teaching Methods and Techniques:**
Being knowledgeable about poultry breeding
**Prerequisites:**

**Course Coordinator:**
Asist Prof. Özgür Yaşar ÇELİK
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | Poultry diseases |
| **Resources** | : | Poutry Diseases |
| **Documents** | : | |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | |
|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : |
| **Engineering** | : | **Science** | : |
| **Engineering Design** | : | **Health** | : |
| **Social Sciences** | : | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | History of poultry production in the world | | |
| 2 | Breeding and hatchery management | | |
| 3 | Quality management in poultry breeding | | |
| 4 | Overview of poultry diseases | | |
| 5 | Preparing of vaccination program and immunity | | |
| 6 | Bacterial infection | | |
| 7 | Avian Influenz, Paromyxovirus, Avian poxvirus ETC. | | |
| 8 | Staphylococcus, Streptococcus, Pasteurella | | |
| 9 | Clostridial enfect., Camphylobacter | | |
| 10 | ORT, Bordetella, Mycoplasma | | |
| 11 | IB, IBDV, ILT, Pox, Adeno-Reovirus | | |
| 12 | Parasitic diseases and coccidiosis | | |
| 13 | Chicken autopsy and systematic examination | | |
| 14 | Final exam | | |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Bacterial, viral, fungal, and parasitic diseases of poultry |
| C02 | Prevention and treatment methods of diseases |
| C03 | Herd health management |
| C04 | Methods of application of poultry vaccines and vaccination programs preparing |
| C05 | Hatchery management |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 1 | 40 | 40 |
| Hours for off-the-c.r.stud | 1 | 21 | 21 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 3 | 13 | 39 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 20 | 40 | 800 |
| **Total Work Load** | | | **900** |
| **ECTS Credit of the Course** | | | **30** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 3 | 5 | 5 |

# Siirt University

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

| VET514 | PET ANIMALS BREEDING AND MEDICINE GROUP | | | | |
|---|---|---|---|---|---|
| **Semester** | **Course Code** | **Course Name** | **L+P** | **Credit** | **ECTS** |
| 10 | VET514 | PET ANIMALS BREEDING AND MEDICINE GROUP | 32 | 24 | 30 |

**Language of Instruction:**
Turkish
**Course Level:**
Faculty
**Work Placement(s):**
No
**Department / Program:**
Veterinary Medicine
**Course Type:**
Seçmeli
**Goals:**
To gain experience and skill in the field of small animal medicine, to introduce diagnoses in the light of clinical laboratory findings of various diseases encountered in the clinic, to make treatment in this direction, to teach the patient's, patient's owner and physician relation to future clinicians.
**Teaching Methods and Techniques:**
Being knowledgeable about pet animal breeding
**Prerequisites:**

**Course Coordinator:**
Asist Prof.Dr. Gülşah akgül
**Instructors:**

**Assistants:**

## Recommended Sources

| | | |
|---|---|---|
| **Textbook** | : | cat and dog diseases |
| **Resources** | : | veterinary medicine |
| **Documents** | : | Küçük hayvan Hastalıkları |
| **Assignments** | : | |
| **Exams** | : | |

## Course Category

| | | | |
|---|---|---|---|
| **Mathmatics and Basic Sciences** | : | **Education** | : |
| **Engineering** | : | **Science** | : |
| **Engineering Design** | : | **Health** | : |
| **Social Sciences** | : | **Field** | : |

## Course Content

| Week | Topics | Study Materials | Materials |
|---|---|---|---|
| 1 | It diagnoses various diseases of small animals in animal hospital in the context of clinical laboratory findings, treats them a | | Small animal disease |
| 2 | It diagnoses various diseases of small animals in animal hospital in the context of clinical laboratory findings, treats them a | | Small animal disease |
| 3 | It diagnoses various diseases of small animals in animal hospital in the context of clinical laboratory findings, treats them a | | small animal disease |
| 4 | It diagnoses various diseases of small animals in animal hospital in the context of clinical laboratory findings, treats them a | | small animal disease |
| 5 | It diagnoses various diseases of small animals in animal hospital in the context of clinical laboratory findings, treats them a | | small animal disease |
| 6 | It diagnoses surgical diseases of small animals in animal hospital, carries out medical and operative treatment and applies | | small animal disease |
| 7 | It diagnoses surgical diseases of small animals in animal hospital, carries out medical and operative treatment and applies | | small animal disease |
| 8 | It diagnoses surgical diseases of small animals in animal hospital, carries out medical and operative treatment and applies | | small animal disease |
| 9 | It diagnoses surgical diseases of small animals in animal hospital, carries out medical and operative treatment and applies | | small animal diseases |
| 10 | It diagnoses surgical diseases of small animals in animal hospital, carries out medical and operative treatment and applies | | small animal diseases |
| 11 | Reproduction in small animals, birth aid, breast health and artificial insemination are done in hospitals, shelters and private | | small animal diseases |
| 12 | Reproduction in small animals, birth aid, breast health and artificial insemination are done in hospitals, shelters and private | | small animal diseases |
| 13 | Reproduction in small animals, birth aid, breast health and artificial insemination are done in hospitals, shelters and private | | small animal diseases |
| 14 | Reproduction in small animals, birth aid, breast health and artificial insemination are done in hospitals, shelters and private | | small animal diseases |

## Course Learning Outcomes

| No | Learning Outcomes |
|---|---|
| C01 | Applies basic and advanced examination methods to patients brought to small animal clinic. |
| C02 | Learn how to obtain and interpret clinical laboratory findings determined by various techniques for accurate clinical diagnosis of diseases encountered in the field of small animal medicine |
| C03 | They learn how to choose different treatment methods and basic therapeutic practices. |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuçlarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

## Assessment

| In-Term Studies | Quantity | Percentage |
|---|---|---|
| Mid-terms | 1 | %40 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 1 | %60 |
| **Total** | | **% 100** |

## ECTS Allocated Based on Student Workload

| Activities | Quantity | Duration | Total Work Load |
|---|---|---|---|
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 1 | 30 | 30 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 3 | 20 | 60 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 20 | 40 | 800 |
| **Total Work Load** | | | **890** |
| **ECTS Credit of the Course** | | | **30** |

## Course Contribution To Program

Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 5 |

## Program Learning Outcomes

| No | Learning Outcome |
|---|---|
| P07 | Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses |
| P08 | In animal breeding and feeding areas will have theoretical and practical knowledge |
| P05 | Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge |
| P06 | Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues |
| P11 | Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life |
| P15 | Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard |
| P16 | Animals found in productivity-enhancing activities; makes breeding studies with artificial ways |
| P12 | All surgical interventions in the field of scientific methods and meticulous |
| P14 | Knows the methods of combating animal diseases, vaccination programs are organized for all animals |
| P19 | Temel hayvan hastalıklarında laboratuar analizlerini bilir, uygular ve sonuclarını yorumlar |
| P01 | Understand the relationships between concepts and concepts related to the field |
| P02 | Contains up to date information in the field of textbooks, magazines and follow the web site |
| P04 | Enhance knowledge and skills relating to a wide range of veterinary Professional practice areas. Enhance knowledge and understanding of veterinary medicine, and a critical awareness of developm |
| P10 | Understand the national and international legislation about the area |
| P03 | The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge |
| P17 | Knows basic food analysis methods, taking samples, analysis and evaluate reports |
| P18 | The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results |
| P09 | Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in |
| P13 | In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications |

| Assessment | | |
|---|---|---|
| **In-Term Studies** | **Quantity** | **Percentage** |
| Mid-terms | 0 | %0 |
| Quizzes | 0 | %0 |
| Assignment | 0 | %0 |
| Attendance | 0 | %0 |
| Practice | 0 | %0 |
| Project | 0 | %0 |
| Final examination | 0 | %0 |
| **Total** | | **%0** |

| ECTS Allocated Based on Student Workload | | | |
|---|---|---|---|
| **Activities** | **Quantity** | **Duration** | **Total Work Load** |
| Course Duration | 0 | 0 | 0 |
| Hours for off-the-c.r.stud | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Mid-terms | 0 | 0 | 0 |
| Practice | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Final examination | 0 | 0 | 0 |
| **Total Work Load** | | | **0** |
| **ECTS Credit of the Course** | | | **0** |

| Course Contribution To Program |
|---|
| Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant |