

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 İŞBİLİAsist Prof.Dr. Barış Can GÜZEL

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 Anatomv 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, diaphragm, 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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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:

Informing students about the political, economic, social and cultural phenomena of the historical period that ended with the signing of the Treaty of Lausanne in 1923 and the background of these phenomena extending to the Ottoman state - To enable students to look at historical events from a multi-faceted perspective - around an interdisciplinary approach, To introduce the basic theoretical concepts, discussions and methods of thought of different Social Sciences, especially history.

Teaching Methods and Techniques:

The main political, economic, social and cultural phenomena of the historical period starting from the classical age of the Ottoman Empire and ending with the signing of the Treaty of Lausanne in 1923, and basic academic comments on them.

Prerequisites:

Course Coordinator:

Associate Prof. Abdurrahman DEMİR

Instructors:

Assistants:

Recommended Sources	
Textbook	: -
Resources	: a
Documents	: -
Assignments	: -
Exams	: -

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	: 50	Field	: 50

Course Content			
Week	Topics	Study Materials	Materials
1	XX. outline of the century's history	Eric Hobsbawm, "A Bird's Eye View of th	
2	Political Life 1923-1945	Cemil Koçak, "Political History: 1923-195	
3	The formation of Atatürk's principles and republican ideology	Serif Mardin, "The Origins of Atatürkism"	
4	Social and cultural transformation between 1923-1950	Seçil Deren, "Cultural Westernization", P	
5	Economy in Turkey between 1923-1945	Korkut Boratav, "Statism in Turkey", in T	
6	Foreign policy in Turkey between 1923-1950	Ahmet Mumcu, "Foreign Policy of the Re	
7	1945-1950: Transition to multi-party political life in Turkey	Eric Jan Zürcher, "Transition to Democr	
8	VİSA		
9	Democratic Party government between 1950-1960: Political Developments	Eric Jan Zürcher, "Democratic Party Pow	
10	Politics in Turkey from 1960 to 1980	Eric Jan Zürcher, "The Second Turkish R	
11	1980 coup and the rise of neo-liberalism	Tulay Ann, "The Myth of the Free Marke	
12	Gender Policies in Turkey	Fatmagül Berktaş, "The Status of Femi	
13	General Discussion and Evaluation	Mümtaz Soysal and Fazıl Sağlam, "Const	
14	FINAL EXAM		

Course Learning Outcomes	
No	Learning Outcomes
C01	Students will learn about the meaning and utility of historical studies.
C02	Students will learn about the meaning and utility of historical studies.
C03	Students will be able to see the modernization process in European history and compare it with Ottoman history.

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

Assessment	Quantity	Percentage
In-Term Studies		
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

	P01	P02	P03	P04	P05	P06	P07	P08
All	4	4	4	4	4	4	4	4
C01	4	4	4	4	4	4	4	4
C02	4	4	4	4	4	4	4	4
C03	4	4	4	4	4	4	4	

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			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	:	Field	: 100

Course Content		
Week	Topics	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	2. Beden eğitimi ve spord
14	Modernise folk dance	

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 BİCİMDE 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
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
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P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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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 research.

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).Bilgi 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			
Mathematics 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 classification.		
3	Modern means of information and science qualifies.		
4	Information from the agricultural 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	VİZE		
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 methodology.

Program Learning Outcomes	
No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
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P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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	

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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 Işingör,Prof.Dr.Erol Eti,Prof.Dr.Mustafa Aslier)Temel Sanat Eğitimi (Nevide Gökyayın)Temel Sanat Eğitimi (Oya Abacı),Temel
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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 Işingör,Prof.Dr.E
3	The materials used in the picture		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
4	Study Destinations		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
5	Line Work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
6	Texture work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
7	Texture work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
8	Lavin study		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
9	Crossing Circle of Color and Color		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
10	Crossing Circle of Color and Color		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
11	Drawing pattern work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
12	Drawing pattern work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
13	Perspective studies		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
14	Perspective studies		Picture -I- (Dr.Mümtaz Işingör,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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
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P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
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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

[illegible]

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:

Histology I aims to provide an understanding of the structural and functional characteristics of cells and tissue types at the microscopic level, and to enable students to develop the ability to distinguish these tissues under the light microscope, interpret them, and evaluate them within the framework of structure-function relationships.

Teaching Methods and Techniques:

This lesson covers the general structure of the cell, cell division, types of intercellular junctions, and mechanisms of cellular interactions. The structural and functional characteristics of epithelial, connective, cartilage, bone, blood, and nervous tissues are evaluated. In addition, practical sessions are conducted to enable the differentiation of these tissues under the light microscope, and the findings obtained are interpreted within the framework of structure-function relationships.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. Banu KANDİL

Instructors:

Associate Prof.Dr. Banu KANDİLAsist Prof.Dr. Günsel Kirman Asist Prof.Dr. Merve Pekince

Assistants:

Recommended Sources

Textbook	: 1.	Junqueira LC, Carneiro J (2005). Basic Histology Text ? Atlas.McGraw-Hill, USA.
Resources	: 2.	Sağlam, M., Aşti, R. N., & Özer, A. (2001). Genel Histoloji, Yorum Printing, Ankara.
Documents	: 3.	Samuelson DA (2007). Textbook of Veterinary Histology. Elsevier, China
Assignments	: 4.	Ross, M. H., & Pawlina, W. (2006). Histology: A Text and Atlas. Lippincott Williams & Wilkins, USA.
Exams	: 5.	Tanyolaç, A. (1999). Özel Histoloji. Yorum Printing and Publishing Industry Company, Ankara.
	: 6.	Özer. A. (2008). Veteriner Özel Histoloii. Nobel Publishinga. İstanbul.

Course Category

Mathematics 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.		
2	Membraneous organelles (endoplasmic reticulum, Golgi apparatus, lysosome, mitochondrion)		
3	Fibrillar organelles (centrosome,mitotic spindle)		
4	Nucleus, moleculare structure of nucleic acid, sex chromatin, nucleolus		
5	Cell division, cell differentiation		
6	Epithelial tissue		
7	Connective tissue cells		
8	Exam		
9	Connective tissue fibers		
10	Cartilage tissue		
11	Bone tissue		
12	Blood tissue		
13	Blood tissue		
14	Muscle tissue		
15	Nerve tissue		
16	Exam		

Course Learning Outcomes

No	Learning Outcomes
C01	Definition about the basic structural components of a cell and the functions of organelles.
C02	Definition about cell membranes and types of intercellular connections.
C03	Explain the types of cell division (mitosis and meiosis).
C04	Classify epithelial, connective, cartilage, bone, blood, and nervous tissues
C05	Explain basic histological techniques and the principles of light microscopy.
C06	Differentiate various tissue types under the light microscope
C07	Identify and interpret cellular and tissue structures in histological sections.
C08	Analyze and evaluate the relationship between tissue structure and function.

Program Learning Outcomes

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

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	4	4
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	4	4
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	4	3	3	3	3	3	1	1	1	2	4	2	2	3	3	4	4
C01	5	4	4	1	2	2	2	3	1	1	1	1	3	2	1	4	1	3	4
C02	5	3	4	1	2	2	2	2	1	1	1	3	3	2	1	2	1	2	3
C03	5	4	3	1	1	1	1	4	1	1	1	1	2	2	1	5	1	2	3
C04	5	4	5	1	3	3	3	3	1	1	1	3	4	2	2	3	3	4	4
C05	4	3	3	5	2	4	2	1	1	1	2	2	3	1	2	1	4	5	5
C06	5	3	5	5	3	5	4	2	1	1	1	4	5	2	2	2	4	5	5
C07	5	4	5	3	3	5	4	2	1	1	1	4	5	2	2	2	4	5	5
C08	5	4	5	2	4	4	4	4	1	1	1	3	5	3	3	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:

Students will have a sufficient level ("European Language Portfolio Global Scale ", Level B1) have knowledge of foreign languages - Understands short and clear messages - Short, daily comprehend texts - Simple, participate in daily conversation - Plain language to talk about their own and the environment - Short, simple notes and messages to summer

Teaching Methods and Techniques:

1: Lecture, 2: Question-Answer, 3: Drill and Practice, 4: Individual Study

Prerequisites:

Course Coordinator:

Instructors:

Instructor Halil ÖZDEMİR

Assistants:

Recommended Sources

Textbook	: 1st Week: Expressions for meeting new people and asking
Resources	: how they are; introducing yourself telling your
Documents	: name, occupation, nationality and other piece of
Assignments	: information; introducing others and asking
Exams	: questions about things
	2nd Week: How to form commands and make requests; how to

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	:
Social Sciences	:	Field	: 100

Course Content

Week	Topics	Study Materials	Materials
1	Introduction to the English language		
2	"Am/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	Jobs and their definitions, Simple present tense part 2		
7	Jobs and their definitions 2		
8	Where are you from? Adverbs of frequency: always, sometimes, never etc		
9	There is and there are structures This, that, these, those		
10	Where do you live? A living room, a kitchen, their classroom, and where they live themselves		
11	can, can't / statements, questions, negatives		
12	Vocabulary and pronunciation was/were, and could/couldn't. How much...?		
13	The Past Simple Tense Regular and irregular forms of the verbs		
14	The past forms of the verb TO BE was, were		

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and feeding techniques and evaluation is found in
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	4	56
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			88
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	
C01	4	1	1	1	1	
C02	4	1	1	1	1	
C03	4	1	1	1	1	
C04	4	1	1	1	1	
C05	4	1	1	1	1	
C06	4	1	1	1	1	

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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:

Asist Prof.Dr. Kadir SULU

Instructors:

Asist Prof.Dr. Kadir SULU

Assistants:

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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diaqnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	1	15	15
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	2	2
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	1	15	15
Total		%100	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			
Mathematics 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 scientific 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 molecular biology ,atp,fermentation and aerobic respiration		
10	cell division		
11	animal reproduction and embryonic development.		
12	biological tissues		
13	the basic principles of genetics		
14	the basic concepts of ecology.ecosystem 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 successful completion of this course, the students will be able to; interpret the basics in medical physics, 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) -Evciil 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			
Mathematics 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 physics.		
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	3,5	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		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		: 100

Course Content		
Week	Topics	Study Materials Materials
1	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
2	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
3	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
4	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
5	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
6	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
7	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical 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 appropriatMedical Passages & Vocabulary for UDS
10	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
11	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
12	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
13	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
14	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
15	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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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,ciftlik songs with flute		Textbook
9	Teaching basic traditional child songs bona and flüt exercises		Textbook,sourcebooks
10	Teaching" şubat,mevsimler" songs with flute		Source books
11	Teaching Kis,Okul songs with flüt		Textbook
12	Teaching Annecqim and Hayvanlar songs with flüt		Textbook,sourcebook
13	Teaching Bayraqım and Bilmem şu feleđin songs with flute		Source books
14	The teaching of national anthem		Textbook

Course Learning Outcomes	
No	Learning Outcomes
C01	Perform the blokflüt exercises
C02	Perform the fonomimi exercises
C03	Play sqongs 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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. Mahire Bayramoğlu Akkoyun Associate Prof.Dr. KIVANÇ İRAK

Assistants:

Recommended Sources

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

Course Category

Mathematics 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	Aliphatic 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 Ethers	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

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
P17 Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13 In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09 Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03 The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02 Contains up to date information in the field of textbooks, magazines and follow the web site
P01 Understand the relationships between concepts and concepts related to the field
P16 Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18 The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15 Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12 All surgical interventions in the field of scientific methods and meticulous
P11 Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08 In animal breeding and feeding areas will have theoretical and practical knowledge
P07 Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06 Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05 Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10 Understand the national and international legislation about the area
P14 Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19 Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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 objective 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 Fundamental 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,I.(1974).Bilgi ve toplum.Bilgi sosyolojisine giriş Barzan
Resources	:	Yaşar,A.(2007).Bilgi teknolojileri ve Bilimsel dökümantasyon metotları ders notları.
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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	Fundamental 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 Paint1 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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 KURLTU

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			
Mathematics 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. Serif Aktas, Yrd. Doc. Dr. Osm
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	Prof. 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, Üniversiteler İ
6	Historic phases of the Turkish Language	Course preparation of presentation	Prof. Dr. Zeynep Korkmaz, Prof. Dr. Ahn
7	What is grammar? Subjects and chapters of grammar.	Course preparation of presentation	Prof Dr. Muharrem Ergin, Üniversiteler İ
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	Prof. Dr. Zeynep Korkmaz, Prof. Dr. Ahn
10	Sound actions, syllable structures and intonation in Turkish	Course preparation of presentation	Prof Dr. Muharrem Ergin, Üniversiteler İ
11	Inflectional and derivational suffixes in Turkish	Course preparation of presentation	Prof Dr. Muharrem Ergin, Üniversiteler İ
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	Examplng 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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
Resources	:	Şenel, A. (1995). İlkel Topluluktan Uygur Topluma,Sosyoloji Nedir? (Çev. N. Çelebi)
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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 issues. Obtaining the effective communication tools in their prof
C02	Acquire professional communication abilities.
C03	Provide the ability of evaluation of communication issues.
C04	Obtaining the effective communication tools in their professional lives.

Program Learning Outcomes

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

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			
Mathematics 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 I	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
2	The place of veterinary medicine in university system other professions	Course of the study subjects planned to 1.	Yasar, 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.	Yasar, A. (2005). Histo
4	The sources of the history of veterinary medicine	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
5	The parigims of diseases curative methods through the history	Course of the study subjects planned to 1.	Yasar, 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.	Yasar, A. (2005). Histo
7	The history of scientific veterinary medicine in Turkey in the world	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
8	midterm exam		
9	The organisation of veterinary medicine in Turkey	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
10	International organisations veterinary medicine	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
11	Veterinary medicine human health	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
12	The pioneers of veterinary medicine in Turkey	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
13	Deontology within the scope of veterinary medicine (conceptions approaches)	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
14	Professional deontology - I	Course of the study subjects planned to 1.	Yasar, A. (2005). Histo
15	Professional deontology - II	Course of the study subjects planned to 1.	Yasar, 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	1,5	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:

Asist Prof.Dr. Fatma İŞBİLİR

Instructors:

Asist Prof.Dr. Fatma İŞBİLİR

Assistants:

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	
Mathematics 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 ERGİN 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 ERGİN KAYA & Zafer KAYA, Ali BI	
3	Duties and responsibilities of veterinarians.	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
4	Good veterinary practice rules I	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
5	Good veterinary practice rules II	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
6	A tour of the work area of Veterinary Medicine	Related course work on the subject befcSafiye ERGİN 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 ERGİN KAYA & Zafer KAYA, Ali BI	
8	Midterm		
9	Introduction of Veterinary Medicine study area	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
10	Patient Rights, Patient regulation of the relations with the owner	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
11	Veterinary Medicine for inclusion in the promotion of tools and equipment, professional discussion of the problems encountered	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
12	The role of veterinarians in the food industry	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
13	Good veterinary practices in the food industry	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
14	Good laboratory practice in Veterinary Medicine	Related course work on the subject befcSafiye ERGİN KAYA & Zafer KAYA, Ali BI	
15	Veterinary Medicine and Public Health.	Related course work on the subject befcSafiye ERGİN 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
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P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

The aim of this lesson is to provide an understanding of the microscopic structure and function of immune system cells and primary and secondary lymphoid organs, to develop students' ability to distinguish and interpret their histological organization, and to enable them to evaluate immune response processes within the framework of structure-function relationships.

Teaching Methods and Techniques:

In this lesson, the functional histology of immune system cells and lymphoid organs (bone marrow, thymus, Bursa of Fabricius, lymph nodes, spleen, and tonsils) is addressed. Immune system cells, immune response mechanisms, and antigen presentation processes are evaluated within the framework of structure-function relationships.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. Banu KANDİL

Instructors:

Associate Prof.Dr. Banu KANDİLAsist Prof.Dr. Günsel KirmanAsist Prof.Dr. Merve Pekince Özöner

Assistants:

Recommended Sources

Textbook	: 1.	Junqueira LC, Carneiro J (2005). Basic Histology Text ? Atlas.McGraw-Hill, USA.
Resources	: 2.	Sağlam, M., Aşti, R. N., & Özer, A. (2001). Genel Histoloji, Yorum Printing, Ankara.
Documents	: 3.	Samuelson DA (2007). Textbook of Veterinary Histology. Elsevier, China
Assignments	: 4.	Ross, M. H., & Pawlina, W. (2006). Histology: A Text and Atlas. Lippincott Williams & Wilkins, USA.
Exams	: 5.	Tanyolaç, A. (1999). Özel Histoloji. Yorum Printing and Publishing Industry Company, Ankara.
	: 6.	Özer. A. (2008). Veteriner Özel Histoloii. Nobel Publishinga. İstanbul.

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		
2	Structure of the nucleus		
3	General organization of the immune system organs		
4	Definition of the primary lymphoid organs		
5	Functional histology of the bone marrow, thymus and bursa Fabricii		
6	Definition of the secondary lymphoid organs, and functional histology of the lymph node		
7	Functional histology of the spleen and tonsil		
8	Exam		
9	Functional histology of the hemal node and hemal lymph node		
10	General structures of the mucosa associated lymphoid tissues		
11	Natural cells, antigen-presenting cells, and mast cells		
12	Immune system cells (neutrophils, eosinophils, monocytes, T- ve B-lymphocytes)		
13	Surface molecules and chemical mediators of the immune functions		
14	Histology of the immune response in lymphoid organs	4	
15	Interactions of the immune system cells and antigen presenting. Control of the immune system reactions.		
16	Exam		

Course Learning Outcomes

No	Learning Outcomes
C01	Define the structural and functional characteristics of immune system cells (neutrophils, eosinophils, monocytes, T and B lymphocytes, and mast cells).
C02	Explain the histological organization of primary and secondary lymphoid organs (bone marrow, thymus, Bursa of Fabricius, lymph nodes, spleen, and tonsils).
C03	Describe the mechanisms of interaction between immune system cells and antigen presentation processes.
C04	Compare the main features of innate and adaptive immune responses.
C05	Differentiate the microscopic structures of lymphoid organs using light microscopy.
C06	Identify and interpret cellular and tissue-level structures related to the immune system in histological preparations.
C07	Analyze and evaluate immune response processes within the framework of structure-function relationships.

Program Learning Outcomes

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

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	3	4	4	2	1	1	2	2	4	4	3	2	3	4	5
C01	5	4	4	1	2	3	3	2	1	1	1	1	3	4	2	3	2	3	4
C02	5	3	5	1	3	4	3	2	1	1	1	2	4	3	2	2	2	4	4
C03	5	4	5	1	2	3	4	2	1	1	1	2	4	5	3	3	2	3	4
C04	5	4	5	1	3	4	4	2	1	1	2	1	4	5	4	2	2	3	4
C05	4	3	4	5	2	5	3	1	1	1	1	2	4	2	2	1	4	5	5
C06	5	4	5	4	3	5	4	2	1	1	1	2	5	3	3	2	3	5	5
C07	5	4	5	2	4	4	4	3	1	1	2	2	5	4	4	3	3	4	5

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- Endocrine system 4- Circulatory 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- Endocrine system 4- Circulatory system 5- Nervous system 6- Sense organs 7- Integumentum commune

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Fatma İŞBİLİRAsist Prof.Dr. Barış Can GÜZEL

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.	Embrivoloji (Osman Hassa, Resat Nuri Asti, Ankara 2003)

Course Category

Mathematics 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, struct
5	Female genital organs		-Partes genitalis feminae internae; ova
6	-Circulatory system Cor		Cor, pericardium, right and left ventricul
7	Veins		Veins, pulmonary veins, veins of heart, c
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, thoracic
12	Cranial nerves		Olfactory nerve, optic nerve, oculomotor
13	Systema nervosum autonomicum		Sympatic nerves, parasympatic nerves, c
14	Sense organs Eye		Orbita, palpebra, conjunktiva, ql. lacrimal
15	Aves anatomy		The skeletal and muscular systems, Sple

Course Learning Outcomes

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

Program Learning Outcomes

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

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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:

is to give information about the events within the period from the fall of the Ottoman Empire until the declaration of the Republic.

Teaching Methods and Techniques:

Fall of the Ottoman Empire, Tanzimat and Islahat Firmans, Constitutional Monarchy I and II, Tripoli and Balkan Wars, World War I, Moudros Truce, Wilson Principles, Paris Conference, Arrival of Mustafa Kemal to Samsun, Amasya Memorandum, National Congresses, Opening of the Mebusan Assembly, Foundation of Grand National Assembly of Turkey, Internal Rebellions, the Constitution (Teşkilat-ı Esasiye), Foundation of the Regular Army, İnönü I, Sakarya, Kütahya, Eskişehir Battles, Great Offensive, Treaties during Turkish Independence War, Lausanne Peace Treaty, Abolition of the Sultanate.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Abdulnasır YİNER

Instructors:

Asist Prof.Dr. Abdulnasır YİNER

Assistants:

Recommended Sources

Textbook	:	AZAK, N. Kemal-Mustafa TÜRKER, Atatürk İlkeleri ve İnkılap Tarihi, Derya Kitabevi, 2006, Trabzon.
Resources	:	
Documents	:	Atatürk İlkeleri ve İnkılap Tarihi, N.Kemal AZAK, Mustafa TÜRKER, Derya Kitabevi, 3. Baskı, 2006, Trabzon
Assignments	:	1-YÖK (1995). Atatürk İlkeleri ve İnkılap Tarihi-II, Ankara Yüksek Öğretim Kurulu Yayınları. 2-Komisyön (2009) Atatürk İlkeleri ve İnkılap Tarihi, Ar
Exams	:	

Course Category

Mathmatics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:	30	Field	:	10

Course Content

Week	Topics	Study Materials	Materials
1	Siyasi alanda yapılan inkılaplar (Saltanatın kaldırılması, Ankara'nın başkent oluşu, Cumhuriyetin ilanı ve Halifeliğin kaldırılma		
2	Terakkiperver Cumhuriyet Fırkası'nın kuruluşu, Seyh Sait İsyanı, Takrir-i Sükün yasası ve Atatürk'e suikast teşebbüsü		
3	Serbest Cumhuriyet Fırkası'nın kuruluşu, İzmir mitingi, Fırkanın kapanışı, Menemen ve Bursa olayları		
4	1924 Anayasası, diğer anayasalar, Hukuk alanındaki gelişmeler, Toplumsal hayatın düzenlenmesi ile ilgili inkılaplar ve Türki		
5	Eğitim ve Kültür alanında gerçekleştirilen inkılaplar (Tevhid-i Tedrisat kanunu, Latin harflerinin kabulü, Millet mektepleri, Tü		
6	İzmir İktisat Kongresi, Cumhuriyetin ilk yıllarında ekonomi politikası, 1929 Dünya Ekonomik Buhranı'nın yansımaları olarak Tü		
7	Atatürk döneminde Türk dış politikası (1923-1938 döneminde Türk-İngiliz, Türk-Sovyet, Türk-Fransız, Türk-İtalyan ilişkileri,		
8	Mid-term Exam		
9	Atatürkçü Düşünce Sistemi'nin tanımı, kapsamı, Atatürk İlkeleri (Cumhuriyetçilik, Laiklik, Milliyetçilik, Halkçılık, Devletçilik, İr		
10	Atatürk'ten sonraki Türkiye (İnönü'nün cumhurbaşkanlığı, II. Dünya Savaşı ve Türkiye, Demokrat Parti'nin kuruluşu ve çok		
11	Demokrat Parti'nin iktidar yılları, Türkiye'nin NATO'ya girişi ve 27 Mayıs 1960 askerî müdahalesi		
12	1960'lı ve 70'li yıllar boyunca Türkiye'deki siyasi gelişmeler (1961 Anayasası, Adalet Partisi İktidarı, 12 Mart 1971 muhtırası,		
13	12 Eylül 1980'den günümüze Türkiye'de iç siyaset gelişmeleri (12 Eylül askerî müdahalesinden sonra ülkenin durumu, sivil i		
14	1960'dan günümüze Türkiye'nin dış politikası (Soğuk savaş sürecinde Türkiye, Avrupa birliği ile gelişmeler,		

Course Learning Outcomes

No	Learning Outcomes
C01	Learns the reasons that cause the fall of Ottoman Empire.
C02	Evaluates the results of the innovation movements in the Ottoman Empire.
C03	Understands the importance of awakening of the Turkish Nation that initiated under the leadership of Atatürk.
C04	Adopts the Turkish revolution and Atatürk's principles.
C05	Analyzes the various historical literature on these topics.
C06	Defines the revolution and the relevant concepts with revolution.
C07	Knows and compares the streams of thought in the Ottoman Empire.
C08	Analyzes the results of the treaties signed during the Ottoman period.

Program Learning Outcomes

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

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

[illegible]

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:

The aim of this course is to provide students with the knowledge and skills to identify the bones, joints, muscles, tendons, ligaments, vessels, and nerves constituting foot anatomy in domestic animals, compare anatomical differences among species, and relate these structures to clinical applications.

Teaching Methods and Techniques:

This course covers the osteological, arthrological, myological, neurological, and angiological structures of the foot region in domestic mammals and birds, the evaluation of interspecies anatomical differences, and their relationship with clinical anatomical applications. In animals, the differences in foot, domestic mammals leg bones and joints that make up, domestic mammals foot ligament, tendon and related anatomical structures, pet leg bulunantendo memelilerde 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:

Associate Prof.Dr. Fatma İŞBİLİR

Instructors:

Assistants:

Recommended Sources

Textbook	: -Dursun N., Veteriner Anatomi-I, Medisan Yayınevi, Ankara, 1994.
Resources	: - Özgüden T., Yıldız B., Veteriner Anatomi, Sınır Sistemi, U.Ü. Vet. Fak. Yayınları, Bursa, 1997.
Documents	: Evcil Hayvanların Anatomi Atlası
Assessments	: Dursun, N. (2018). Veteriner Anatomi I. Medisan Yayınevi, Ankara.
Exams	:

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	Introduction to foot anatomy, terminology, and general organization	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
2	General characteristics of the foot skeleton and classification of bones	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
3	Anatomy of forefoot bones (ossa digitorum manus)	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
4	Anatomy of hindfoot bones (ossa digitorum pedis)	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
5	Foot joints and ligaments	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
6	Foot muscles and tendons	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
7	Foot vessels and lymphatic structures	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
8	Midterm Examination		
9	Nerves and innervation of the foot region	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
10	Comparative foot anatomy in domestic mammalian species	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
11	Foot anatomy and adaptations in birds	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
12	Biomechanical principles of foot anatomy	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
13	Clinical anatomy and orthopedic approaches of the foot region	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
14	Radiological and cross-sectional foot anatomy	Study on the lesson	Dursun N., Veteriner Anatomi-I, Medisar
15	Comparative evaluation among species and general review		
16	Final Examination		

Course Learning Outcomes

No	Learning Outcomes
C01	Defines the bones, joints, muscles, tendons, vessels, and nerves forming the foot region in domestic animals.
C02	Compares forefoot and hindfoot anatomy in terms of interspecies differences.
C03	Demonstrates anatomical structures of the foot region on cadavers, specimens, models, and visual materials.
C04	Distinguishes basic clinical and radiological structures related to foot anatomy.
C05	Ayak anatomisi bilgisini toplamak, travma ve ortopedik olgularla ilişkilendirir.
C06	Uses anatomical terminology in professional communication and clinical evaluation processes.
C07	Evaluates knowledge of foot anatomy in terms of animal health and welfare.

Program Learning Outcomes

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

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	3	4	3	4	3	5	4	3	5	4	2	5	4	5	5	3
C01	4	5	3	5	4	5	3	5	4	4	4	3	5	4	5	3	5	4	5
C02	3	5	4	5	3	5	4	5	3	5	4	5	3	5	4	5	3	4	5
C03	3	5	5	5	4	4	4	4	3	3	3	3	5	5	5	5	4	4	4
C04	3	3	5	3	4	4	4	4	3	3	5	4	3	5	4	5	3	5	4
C05	3	5	4	5	3	5	4	5	3	5	4	4	4	3	5	4	4	4	3
C06	3	5	4	5	4	5	4	3	5	4	3	5	4	5	3	5	4	3	5
C07	4	3	5	4	5	3	5	4	5	3	5	4	5	3	5	4	5	3	5

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

Mathematics and Basic Sciences	:	Education	:	20
Engineering	:	Science	:	
Engineering Design	:	Health	:	50
Social Sciences	:	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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

[illegible]

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. Erman GÜLENDAG

Instructors:

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 learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
2	Summarization and Frequency Distribution Tables	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
3	Descriptive Statistics: Placement Measurements and Change Measurements	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
4	Correlation and Regression Analysis	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
5	Discrete Distributions: Binomial Distribution and Poisson Distribution	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
6	Normal Distribution and Z Distribution	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
7	Sampling Distribution and Hypothesis Control	Study of the subject planned to be learn1. 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 learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
10	Two independent means and ratio comparisons	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
11	Confidence Interval Calculation	Study of the subject planned to be learn1. 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 learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
13	Chi-square distribution and properties	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
14	Chi-square test in one way classification	Study of the subject planned to be learn1. Sokal, R. R. and F. J. Rohlf. (1995). B	
15	Chi-square test in two-way classification	Study of the subject planned to be learn1. 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
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P12	All surgical interventions in the field of scientific methods and meticulous
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P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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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:

The aim of this course is to provide students with an understanding of the fundamental concepts of biochemistry, the structure and functions of biomolecules, the properties of enzymes, biological membranes, and the biochemical roles of vitamins and minerals, enabling them to evaluate biochemical processes from a scientific perspective.

Teaching Methods and Techniques:

This course covers the fundamental concepts of biochemistry, biochemical organization of the cell, water and pH balance, buffer systems, amino acids, proteins, enzymes and enzyme kinetics, carbohydrates, lipids, nucleic acids, biological membranes, vitamins, minerals, and basic biochemical laboratory applications. It also addresses the importance of biochemical processes in veterinary medicine and the principles of basic laboratory analyses.

Prerequisites:

Course Coordinator:

Prof.Dr. KIVANÇ İRAK

Instructors:

Prof.Dr. Kivanç İRAK Prof.Dr. Mahire BAYRAMOĞLU AKKOYUN

Assistants:

Research Assist. Zahide Yusra YILDIZ

Recommended Sources

Textbook	:	Kalaycioglu, L., Serpek, B., Nizamlioglu, M., Baspinar, N., & Tiftik, M. A. (2000). Biochemistry. Nobel Publishing.
Resources	:	
Documents	:	Asi, T. (1996). Biochemistry in tables (Vols. 1–2). Nobel Medical Bookstores.
Assignments	:	
Exams	:	Karagul, H., Altintas, A., Fidanci, U. R., & Sel, T. (1999). Basic biochemistry applications. Medisan Publishing. Mert N. (1996). Veteriner Klinik Bivokimva. Uludağ Üniversitesi Güdendirme Vakfı Yavını. Bursa."1.Ersov E. Bavsı N (1986) Bivokimva Ders Kitabı. /

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

Course Learning Outcomes

No	Learning Outcomes
C01	Explains the properties of the major biomolecules constituting the chemical structure of living organisms.
C02	Compares the structures and functions of proteins, carbohydrates, lipids, and nucleic acids.
C03	Analyzes the mechanisms of enzyme action.
C04	Evaluates the biochemical functions of vitamins, minerals, and biological membranes. Tüü: Beceri (Skill)
C05	Relates biochemical processes to the physiological functioning of the animal organism.
C06	Interprets biochemical data using a scientific approach.
C07	Evaluates current scientific knowledge in the field of biochemistry.

Program Learning Outcomes

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

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	0	0	0
Presentation	0	0	0
Mid-terms	1	25	25
Practice	14	2	28
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	4	4	5	5	3	3	2	2	2	4	2	3	3	4	3	4	4	5
C01	5	5	3	3	5	5	3	3	2	2	4	2	3	2	2	3	4	3	4
C02	5	5	4	4	5	5	3	4	3	2	4	2	4	2	2	3	4	4	4
C03	4	4	5	4	5	5	4	4	3	3	5	2	5	2	2	4	5	5	5
C04	4	4	4	4	5	5	4	4	3	3	5	2	4	2	2	4	4	4	4
C05	4	4	5	4	5	5	5	4	4	4	5	2	5	2	2	4	5	5	5
C06	4	4	4	4	5	5	4	4	3	4	5	2	5	2	2	5	5	5	5
C07	5	5	4	4	4	4	4	4	3	3	3	5	2	4	2	2	5	4	4

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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
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P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
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P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 evaluating knowledge through using these wherewithals form the topic of this course. At the end of lesson, students will be able to have the authority of these digital technologies, and have the awareness and critical thinking abilities.

Teaching Methods and Techniques:

Digital technologies

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	: textbooks, and digital media
Exams	: yok vize ve final

Course Category			
Mathematics 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	Alan ile ilgili kavramları ve kavramlar arası ilişkileri kavrar
C02	students can judge the cultural, social, and technological developments based on the communication and new media issues.
C04	Alan ile ilgili çalışmalarda kullanacağı alet ve ekipmanı tanıır, 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
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P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Associate Prof.Dr. Fatma İŞBİLİR

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. Elsevier
Resources	: McLaughlin C.A.and Chiasson RB; Laboratory Anatomy of the Rabbit. Third Ed., McGraw Hill, New York, 1990 Hebel R and Stromberg MW; Anat
Documents	: 1
Assignments	: 0
Exams	: 1

Course Category			
Mathematics 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	scientific thinking and stating it freely,hypothesis creating,criticising skills

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

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 thoracic organs, localization of abdominal organs, opening of thoracic 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. Fatma İŞBİLİR

Instructors:

Asist Prof.Dr. Fatma İŞBİLİR

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			
Mathematics 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 thoracic 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 thoracic 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
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P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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 PHYSIOLOGY, PHYSIOLOGY OF SMALL AND LARGE ANIMALS, MEDICAL PHYSIOLOGY
Documents	:
Assignments	:
Exams	: ara sınav, yıl sonu sınavı

Course Category			
Mathematics 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 system		
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 physiological concepts
C02	cell organelles 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 their role
C09	nervous physiology
C10	muscle physiology

Program Learning Outcomes	
No	Learning Outcome
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 development
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
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P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 Işingör,Prof.Dr.Erol Eti,Prof.Dr.Mustafa Aslier)Temel Sanat Eğitimi (Nevide Gökyayın)Temel Sanat Eğitimi (Oya Abacı),Temel
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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 Işingör,Prof.Dr.E
3	The materials used in the picture		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
4	Study Destinations		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
5	Line Work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
6	Texture work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
7	Texture work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
8	Lavin study		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
9	Crossing Circle of Color and Color		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
10	Crossing Circle of Color and Color		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
11	Drawing pattern work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
12	Drawing pattern work		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
13	Perspective studies		Picture -I- (Dr.Mümtaz Işingör,Prof.Dr.E
14	Perspective studies		Picture -I- (Dr.Mümtaz Işingör,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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
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P08	In animal breeding and feeding areas will have theoretical and practical knowledge
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P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

[illegible]

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, General 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:

Systems and tissue histologia

Prerequisites:

Course Coordinator:

Bölüm Başkanı Prof.Dr Nurhayat Gülmez

Instructors:

Bölüm Başkanı Prof.Dr. Nurhayat Gülmez

Assistants:

Research Assist. Merve PekinceAsist Prof.Dr. Günsel Kirman

Recommended Sources	
Textbook	: Özel Histoloji, Atilla TANYOLAC, Veteriner Özel Histoloji, Aytekin Özer
Resources	: Dellman's Textbook of Veterinary Histology
Documents	:
Assignments	:
Exams	:

Course Category	
Mathematics and Basic Sciences	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education Science	:
Health Field	: 50
	: 50

Course Content		Study Materials	Materials
Week	Topics		
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, oesphagus)	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 the1. 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 hücrel özelliklerini tanımlayabilir
C04	Farklı boyama tekniklerini ayırt eder
C05	Farklı dokuları ve organları ayırt eder
C06	Organları sistematik olarak tanımlar
C07	Immunoloji 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
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P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area

P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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	7
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	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

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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. TEKİN ŞAHİN

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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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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:

To improve students' basic language skills through reading, writing, listening and speaking

Teaching Methods and Techniques:

English for everyday life: At a restaurant and Clothes Adjectives and The Weather: What's the Weather like? Modals: Must and Have to Comparatives and Superlatives Geographical Features and Adverbs Present Perfect Tense: Affirmative, Negative Yes No Short answers Wh Questions Modals: Used to/ did not use to Office Materials and activities Past Continuous Tense Affirmative Negative and Wh Questions Vocabulary :Describing People Verb + Adjective Be, taste, look and sound Vocabulary : Cooking Quantifiers Vocabulary: Money Future Tense : Will Conditional Clause: If Type 0 and Type 1 Vocabularies: At home Subject Questions Modals: Should and Shouldn't Review of the lessons and preparation for Final Exam

Prerequisites:

Course Coordinator:

Instructor Halil ÖZDEMİR

Instructors:

Instructor Halil ÖZDEMİR

Assistants:

Recommended Sources

Textbook	:	[1] Ders notları
Resources	:	[2] Essential Grammar in Use
Documents	:	[3] Oxford University Press Dictionary
Assignments	:	4. Online Kaynaklar(SIUZEM LMS Platformu)
Exams	:	UZEM Distant Learning LMS Online Resources

Course Category

Mathematics and Basic Sciences	:		Education	:	
Engineering	:		Science	:	
Engineering Design	:		Health	:	
Social Sciences	:	20	Field	:	80

Course Content

Week	Topics	Study Materials	Materials
1	English for everyday life: At a restaurant and Clothes		Lecturer Notes Book and Presentations
2	Adjectives and The Weather: What's the Weather like?		Book, Lecture Notes Presentations, and V
3	Modals: Must and Have to		Book, Lecture Notes , Presentation and V
4	Comparatives and Superlatives		Book, Lecture notes, Presentation and V
5	Geographical Features and Adverbs		Book, Lecture Notes Presentation and V
6	Present Perfect Tense: Affirmative, Negative Yes No Short answers Wh Questions		Lecture Notes Videos and Presentations
7	Modals: Used to/ did not use to Office Materials and activities		Lecture Notes, Presentations and Videos
8	Past Continuous Tense Affirmative Negative and Wh Questions		Lecture Notes, Presentations and Videos
9	Vocabulary :Describing People Verb + Adjective Be, taste, look and sound		Lecture Notes, Presentations and Videos
10	Vocabulary : Cooking Quantifiers		Lecture Notes presentation and Videos
11	Vocabulary: Money Future Tense : Will		Lecture Notes presentation and Videos
12	Conditional Clause: If Type 0 and Type 1		Lecture Notes presentation and Videos
13	Vocabularies: At home Subject Questions Modals: Should and Shouldn't		Lecture Notes presentation and Videos
15	Review of the lessons and preparation for Final Exam		Lecture Notes presentation and Videos

Course Learning Outcomes

No	Learning Outcomes
C01	Be able to take part in simple everyday conversations.
C02	Be able to talk about everyday topics using simple structures and vocabulary.
C03	Be able to understand the list of short, simple foreign language texts.
C04	Understands short and clear messages
C05	Comprehends short, daily texts

Program Learning Outcomes

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

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	15	2	30
Quizzes	0	%0	Hours for off-the-c.r.stud	15	2	30
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	1	1
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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	2	3	3	2	2	4	3	2	3	3	4	3	2	2	3	2	2	3

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:

Asist Prof.Dr. Fatma İŞBİLİR

Instructors:

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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

Mathematics 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 UDS
2	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
3	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
4	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
5	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
6	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
7	Medikal English text and Turkish translation	preparing the subjects for the professor	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	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
10	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
11	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
12	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
13	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
14	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS
15	Medikal English text and Turkish translation	preparing the subjects for the professor	Medical Passages & Vocabulary for UDS

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

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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
1	One octave voices and teaching voices with flute
2	Teaching C,D,E voices with flute and exercises
3	Teaching F,G,A,B voices with flute and exercises
4	Teaching cild songs in C,D,E voice space
5	Teaching child songs in F,G,A,B voice space
6	Fonomimi exercises
7	Mid-Term Exam
8	Teaching Çarşıya vardım,ciftlik songs with flute
9	Teaching basic traditional child songs bona and flüt exercises
10	Teaching" şubat,mevsimler" songs with flute
11	Teaching Kıs,Okul songs with flüt
12	Teaching Anneciğim and Hayvanlar songs with flüt
13	Teaching Bayrađım and Bilmem şü feleđin songs with flute
14	The teaching of national anthem

Course Learning Outcomes	
No	Learning Outcomes
C01	Perform the blokflüt exercises
C02	Perform the fonomimi exercises
C03	Play soqns 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	

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., GUÇLU, F. 1998 Arı Yetiştiriciliği ve Hastalıkları. Selçuk Üniversitesi Veteriner Fakültesi Yayın Ünitesi, KONYA
Resources	:	understandable beekeeping, Ali KORKMAZ, PhD
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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 İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
2	THE IMPORTANCE OF BEES	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
3	MATERIALS OF BEE KEEPING	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 BEE CULTUR	
4	BEE SPECIES AND BREEDS	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
5	BEE BIOLOGY	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
6	BEE BREEDING TECHNIQUES	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
7	BEE BREEDING TECHNIQUES	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
8	BEE BREEDING TECHNIQUES	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
9	BEE BREEDING TECHNIQUES	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
10	VISA EXAM	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 BEE CULTUR	
11	BEE BREEDING TECHNIQUES	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
12	COMMUNICATION	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
13	LOCATE	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	
14	BEE BREEDING TECHNIQUES	Course of the study subjects planned to İNAL, Ş., GUÇLU, F. 1998 ARI YETİŞTİR	

Course Learning Outcomes

No Learning Outcomes

C01 Have knowledge about bees and bee breeding

Program Learning Outcomes

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

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, Nizamlioğlu M, Başpınar N, Tiftik MA (2000), Biyokimya, Konya.
Resources	: 2. Ası T. (1996) Tablolarla Biyokimya. Cilt 1 ve 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 DL, Cox MM (1993) Principles of Biochemistry, second Edition, United States of America. 2. McKee T, McKee JR (2003) Biochemistry, 2nd Edition, United States of America.
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Coenzymes (Metabolite coenzymes, coenzymes that source from vitamins)	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
2	Coenzymes (Lipoic acid, ubiquinone, prosthetic groups obtained from modified amino acid moieties, group transfer proteins as	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
3	Vitamins (Definition and importance of vitamins, Classification of vitamins, Fat soluble vitamins (Vitamin A, Vitamin D, Tocopherol, Vitamin E, Vitamin K)	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
4	Vitamins (water soluble vitamins) B group vitamins, Vitamin C, Vitamin like substances (Myo-inositol, Carnitine (Vitamin T))	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
5	Hormones (Synthesis and general properties of hormones, transport in blood of hormones, Feed-back mechanism of hormones)	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
6	Hormones (Hormones of hypothalamic, Hormones of hypophysis, Hormones of thyroid and parathyroid glands, Adrenocortical hormones)	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
7	Carbohydrate Metabolism TCA Cycle	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
8	MID EXAM		
9	oxidative phosphorylation	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
10	Protein Metabolism (Digestion of protein, absorption of peptides and amino acids, amino acid metabolism, transamination, urea cycle)	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
11	Protein Metabolism (catabolism of carbon skeletons of amino acids, Nitrogen metabolism, Urea Biosynthesis, protein synthesis)	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
12	Nucleic Acids Metabolism	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
13	Lipid Metabolism Absorption of lipids, Blood lipids and lipidemia, Metabolic pathways of lipids in liver, Fatty acids metabolism	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
14	Lipid Metabolism Eicosanoids, Triacylglycerol ve neutral lipids, Lipoproteins, Synthesis of asidic phospholipids, Synthesis of neutral lipids	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
15	Biochemical functions of organs and tissues Cell and infracture members of cell, blood, kidneys and urine, Connective tissues	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu 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
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 development
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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, 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			
Mathematics 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 cHomework 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 fizyolojisi	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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
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P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
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P12	All surgical interventions in the field of scientific methods and meticulous
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P08	In animal breeding and feeding areas will have theoretical and practical knowledge
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P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2006), Hayvan Besleme ve Beslenme Hastalıkları
Documents	:	Hayvan Besleme ve Beslenme Hastalıkları
Assignments	:	
Exams	:	

Course Category

Mathematics 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 Hastalıkları
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	15	2	30
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	1	6	6
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	8	8
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	Project	0	0	0
			Final examination	1	16	16
			Total Work Load			60
			ECTS Credit of the Course			2

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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, spermatogenesis, oogenesis, fertilization and divisions, developments from zygote in amphioxus, poultry and mammals. Developments of embryonic sheets called as endoderm, ectoderm and mesoderm, and organs systems arise from those in mammals and poultry.

Prerequisites:

Course Coordinator:

Prof.Dr. Nurhayat Gülmez

Instructors:

Prof.Dr. Nurhayat Gülmez

Assistants:

Asist Prof.Dr. Günsel Kirman Research 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

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

Recommended Optional Programme Components

VET525 ANATOMY

VET527 BIOCHEMISTRY

VET529 PHYSIOLOGY

VET531 HISTOLOGY AND EMBRYOLOGY

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 şeklini bilir
C03	Döllenme ve implantasyonu öğrenir.
C04	Plasentasyon ve evcil memelilerde plasenta tiplerini bilir.
C05	Doğumsal 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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	:	medical physiology,guyton physiology
Documents	:	
Assignments	:	
Exams	:	vize,yariyil sinavi

Course Category

Mathematics 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	respiratory system		
4	uriary system		
5	uriary system		
6	urinary system		
7	dgestive system		
8	Midterm		
9	digestive system		
10	digestive 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 temperature, homeotherm and poikilotherm animals, hibernation, body temperature

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

Mathematics 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 temperature, homeotherm and poikilotherm animals, hibernation, body temperature		
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	1,5	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

Mathematics 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.	Standard classroom technologies, Multin	
15	Feed raw materials and additives used in poultry rations.	Standard classroom technologies, Multin	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

This course aims to provide students with a comprehensive understanding of the microscopic structure, cellular organization, and functional units of the liver.

Teaching Methods and Techniques:

It comprehensively examines the stromal and parenchymal components, cellular organization, functional lobular units, and biliary hierarchy of the liver through clinical and embryological correlations.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. Banu KANDİL

Instructors:

Asist Prof.Dr. Günsel KIRMAN Associate Prof.Dr. Banu KANDİLAsist Prof.Dr. Merve PEKİNCE ÖZÖNER

Assistants:

Recommended Sources	
Textbook	: Özer, A. (Ed.). (2020). Veteriner Özel Histoloji [Veterinary Special Histology]. Nobel Akademik Yayıncılık.
Resources	: Tanyolaç, A. (1999). Özel Histoloji [Special Histology]. Ankara Üniversitesi Basımevi.
Documents	: Özer, A. (Ed.). (2020). Veteriner Özel Histoloji [Veterinary Special Histology]. Nobel Akademik Yayıncılık. Tanyolaç, A. (1999). Özel Histoloji [Special Histology]. Ankara Üniversitesi Basımevi.
Assignments	:
Exams	:

Course Category	
Mathematics and Basic Sciences	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	:
Health	: 0
Field	: 100

Course Content		
Week	Topics	Study Materials
1	Introduction: General Liver Histology	
2	Ultrastructure of Hepatocytes and Space of Disse	
3	Sinusoidal Cells (Kupffer and Ito Cells)	
4	Lobular Organization of the Liver	
5	Hepatic Acinus and Metabolic Zones	
6	Intrahepatic Biliary Channels	
7	Portal Triad and Blood Circulation	
8	Midterm Exam	
9	Lymphatic System of the Liver	
10	Histology of the Gallbladder	
11	Embryology of the Liver	
12	Liver Regeneration and Stem Cells	
13	Introduction to Histopathological Changes	
14	General Review and Slide Examination	
15	Special Stains	
16	FINAL EXAM	

Course Learning Outcomes	
No	Learning Outcomes
C01	Lists the stromal and parenchymal components of the liver along with histological cell types and explains their microscopic characteristics.
C02	Schematizes the blood and bile flow directions by comparing the classic lobule, portal lobule, and acinus models of the liver.
C03	Identifies and morphologically differentiates hepatocytes, Kupffer cells, and Ito cells under a light microscope in liver sections prepared with routine histological methods.
C04	Classifies the functional differences of the sinusoidal cell population based on light microscopy and immunohistochemical staining characteristics.
C05	Diagnoses the connective tissue, presence of glycogen, and reticular framework microscopically in liver specimens stained with different special staining techniques (Silver staining, PAS, Masson's Trichrome).
C06	Analyzes the relationship between the normal histological/cellular organization of the liver and its metabolic, endocrine, and exocrine functions.

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

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	4	4
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	6	6
Total Work Load			66
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	4	3	1	3	1	1	1	1	1	1	3	1	1	1	1	3	3
C01	5	3	4	1	1	2	1	1	1	1	1	1	3	1	1	1	1	1	2
C02	5	3	4	1	1	2	1	1	1	1	1	1	3	1	1	1	1	1	2
C03	2	3	3	5	1	4	1	1	1	1	1	1	4	1	1	1	1	4	4
C04	2	5	3	5	1	4	1	1	1	1	1	1	3	1	1	1	1	4	5
C05	2	3	3	5	1	5	1	1	1	1	1	1	3	1	1	1	1	5	5
C06	5	3	4	1	1	2	1	1	2	1	1	1	3	1	1	1	1	1	2

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. Ayfer FINDIK PAKROOH

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

The objective of this course is to provide students with the fundamental microbiological knowledge required for the diagnosis and control of infectious diseases by teaching the general characteristics, structures, genetics, and pathogenesis mechanisms of microorganisms.

Teaching Methods and Techniques:

The history of microbiology encompasses bacterial morphology and cytology, the metabolism, reproduction, and genetics of microorganisms, as well as the mechanisms of action of antibiotics.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. Özgül GÜLAYDIN

Instructors:

Asist Prof.Dr. Songül ÖTKÜN Asist Prof.Dr. Muazzez YEŞİLYURT Associate Prof.Dr. Özgül GÜLAYDIN

Assistants:

Research Assist. Mustafa Berkan GÜL

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 N
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Introduction and History		
2	Morphology of Bacteria		
3	Bacterial Cytology and Organelles		
4	Nutrition and Reproduction of Microorganisms		
5	Bacterial Metabolism and Enzymes		
6	Microbial Genetics		
7	Sterilization and Disinfection Methods		
8	MIDTERM EXAM		
9	Antibiotic Resistance Mechanisms		
10	Bacterial Virulence Factors		
11	Host-Microorganism Relationships		
12	Intro to Immunology: Antigens and Antibodies		
13	Intro to Mycology: General Structure of Fungi		
14	Cultivation and Classification of Fungi		
15	Review and Clinical Sampling Procedures		
16	FINAL EXAM		

Course Learning Outcomes	
No	Learning Outcomes
C01	Defines structural and genetic features of bacteria.
C02	Applies sterilization protocols in laboratory settings.
C03	Interprets antibiotic resistance at a molecular level.

Program Learning Outcomes	
No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
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P12	All surgical interventions in the field of scientific methods and meticulous
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P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	3	42
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	4	4
Total Work Load			91
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	3	4	3	3	3	3	1	1	3	2	2	4	3	4	1	3	3	5
C01	5	3	5	2	2	3	4	1	1	2	2	1	4	4	3	1	2	3	4
C02	3	2	4	5	4	5	3	1	1	3	3	4	4	2	4	1	5	5	5
C03	4	5	3	2	3	2	3	1	2	4	2	1	5	2	4	1	2	2	5

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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, Nomenclature 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. Mumammed Ahmed SELÇUK

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

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P10	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P14	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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. Hazirolu, U.H. Nati
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 BÜYÜKÇÖPUR

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			
Mathematics 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, motivation and enterprise skills.
C05	To able to transfer the knowledge to national and international scientific areas.

Program Learning Outcomes	
No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
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P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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

Course Category			
Mathematics 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	Course of the study subjects planned to 1) AKÇAPINAR Halil, ÖZBEYAZ Ceyhan (	
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, nisaneleri, 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
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P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Nosemiasis		
2	Varroaosis		
3	Tracheal mites		
4	Bee louse		
5	American Foulbrood		
6	European Foulbrood		
7	Septisemi		
8	Midterm exam		
9	Stonebrood		
10	Chalkbrood		
11	Chronic 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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.Güendame SAYGI.Esnaf Ofset Matbaacılık.ISBN975-94317-1-8.1999
Resources	: Genel Parazitoloji.Güendame SAYGI.Esnaf Ofset Matbaacılık.ISBN975-94317-1-8.1999
Documents	:
Assignments	:
Exams	:

Course Category	
Mathematics and Basic Sciences	: Education
Engineering	: Science
Engineering Design	: Health
Social Sciences	: Field

Course Content	
Week	Topics
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 (Sitma)
5	T. gondii, Trypanosoma spp, Leishmania spp.
6	Helminthlerin 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 bağirsakta yerleşen ler (Ascaris lumbricoides, Enterobius vermicularis, Trichuris trichiura , Çengelli solucanla
11	Kan ve dokularda yerleşen nematodlar (Trichinella spiralis, Filariasis etkenleri)
12	Vektör arthropodlar 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 parazitler hastalıkları hakkında farkındalık yaratmak

Program Learning Outcomes	
No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
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P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
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P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 fundamentals of surgical attempts

Teaching Methods and Techniques:

Information about fundamentals 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

Mathematics 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	Vlze		
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 peroperative 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
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P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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		
Mathematics and Basic Sciences	:	
Engineering	:	
Engineering Design	:	
Social Sciences	:	
Education	:	
Science	:	
Health	:	
Field	:	100

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

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

Program Learning Outcomes	
No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
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P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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, Quantitative 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

Mathematics 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 2008	
2	Extensions of Mendelian genetics	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
3	Chromosomal inheritance	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
4	Genetic linkage analysis	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
5	Genetic material-DNA	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
6	Structure and function of gene	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
7	Control of gene expression	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
8	Vize haftası	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
9	Mutations	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
10	Chromosomal abnormalities	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
11	Recombinant DNA technology	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
12	Recombinant DNA technology	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
13	Recombinant DNA technology	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
14	Population genetics	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	
15	Quantitative genetics	Course of the study subjects planned to Ahmet Yıldırım ve ark. Nobel Yayınevi 2008	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Prof.Dr. Tekin ŞAHİN

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			
Mathematics 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 students 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 responsibility regarding to the animal rights issues.

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

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 diseases in animals. Morphology, biology and pathogenesis of helminths; diagnosis, treatment and protection paths of the helminth diseases.

Teaching Methods and Techniques:

General characteristics of helminths, General characteristics of trematodes, Dicrocoelidae, Fasciolidae, Lepodermatidae, Troglotrematidae, Brachylaemidae, Heterophyidae, Opisthorchiidae, Paramphistomidae, Schistosomatidae General characteristics of cestodes, Diphylobothriidae, Anoplocephalidae, Avitellinidae, Davaineidae, Hymenolepididae, Dilepididae, Taeniidae, Mesocostoididae, General characteristics of nematodes, Strongyloididae, Strongylidae, Ancylostomidae, Syngamidae, Metastrongylidae, Protostrongylidae, Filaroididae, Trichostrongylidae, Dictyocaulidae, Ascaridae, 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 Helmitoloji ,Toparlak I
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	
Mathematics 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 Helmitoloji ,Toparlak M.,Tüze
2	General characteristics of trematodes		Veteriner Helmitoloji ,Toparlak M.,Tüze
3	Dicrocoelidae, Fasciolidae		Veteriner Helmitoloji ,Toparlak M.,Tüze
4	Lepodermatidae, Troglotrematidae, Brachylaemidae, Heterophyidae, Opisthorchiidae		Veteriner Helmitoloji ,Toparlak M.,Tüze
5	Paramphistomidae, Schistosomatidae		Veteriner Helmitoloji ,Toparlak M.,Tüze
6	General characteristics of cestodes, Diphylobothriidae		Veteriner Helmitoloji ,Toparlak M.,Tüze
7	Anoplocephalidae, Avitellinidae, Davaineidae, Hymenolepididae, Dilepididae		Veteriner Helmitoloji ,Toparlak M.,Tüze
8	Midterm exam		
9	Taeniidae, Mesocostoididae		Veteriner Helmitoloji ,Toparlak M.,Tüze
10	General characteristics of nematodes, Strongyloididae		Veteriner Helmitoloji ,Toparlak M.,Tüze
11	Strongylidae, Ancylostomidae, Syngamidae		Veteriner Helmitoloji ,Toparlak M.,Tüze
12	Metastrongylidae, Protostrongylidae, Filaroididae		Veteriner Helmitoloji ,Toparlak M.,Tüze
13	Trichostrongylidae, Dictyocaulidae		Veteriner Helmitoloji ,Toparlak M.,Tüze
14	Ascaridae, Toxocaridae, Ascaridiidae, Anisakidae, Oxyuridae, Heterakidae, Spiruridae		Veteriner Helmitoloji ,Toparlak M.,Tüze
15	Thelaziidae, Filariidae, Setariidae, Onchocercidae, Trichuridae, Trichinellidae		Veteriner Helmitoloji ,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 helminths.

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

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

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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 thoracids, 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:

Asist Prof.Dr. Fatma İŞBİLİR

Instructors:

Assistants:

Recommended Sources	
Textbook	: 1. Yildiz, H., Yildiz, B., Bahadır, A. (2003). Veteriner Topografik Anatomi. U.Ü. Vet.Fak.Yay., Bursa. 2. Dursun, N.(2008). Veteriner Tıp
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. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
2	Epidural anaesthesia regions	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
3	Choice regions for esophagotomy and tracheotomy	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
4	Choice points for regional anaesthesia in thoracic limb	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
5	Choice points for regional anaesthesia in pelvic limb	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
6	Clinical anatomy of regio cranii	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
7	Clinical anatomy of regio coli	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
8	Clinical anatomy of regio thoracids	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
9	Clinical anatomy of regio abdominis	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
10	Clinical anatomy of regio pelvis	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
11	MIDDLE EXAM	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
12	Clinical anatomy of regio inguinalis	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
13	Clinical anatomy of regio perinei	Study on the lesson	1. Yildiz, H., Yildiz, B., Bahadır, A. (2003)
14	Age determination accornig to teeth and horns	Study on the lesson	1. Yildiz, H., Yildiz, 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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 organlarının 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 BÜYÜKÇÖPÜR

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			
Mathematics 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 Anatom	
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 Anatom	
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 Anatom	
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 Anatom	
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 plu-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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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Program Learning Outcomes

No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
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P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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. Ayfer FINDIK PAKROOH

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		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		: 100

Course Content		
Week	Topics	Study Materials Materials
1	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
2	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
3	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
4	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
5	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
6	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
7	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical 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 appropriatMedical Passages & Vocabulary for UDS
10	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
11	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
12	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
13	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
14	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
15	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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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:

To teach specific bacterial and fungal species that cause infections in animals; including their morphological, cultural, biochemical characteristics, pathogenicities, and laboratory diagnostic methods.

Teaching Methods and Techniques:

It covers the systematic examination of Gram-positive and Gram-negative aerobic/anaerobic bacteria, mycoplasmas, rickettsiae, and important pathogenic fungi in the veterinary field, including the principles of isolation and identification.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. ÖZGÜL GÜLAYDIN

Instructors:

Asist Prof.Dr. Muazzez YEŞİLYURT Asist Prof.Dr. Songül ÖTKÜN Associate Prof.Dr. ÖZGÜL GÜLAYDIN

Assistants:

Research Assist. Mustafa Berkan GÜL

Recommended Sources	
Textbook	: Aydın N, Paracıoğlu J (2006) Veteriner Mikrobiyoloji, Ilke-Emek Yay., Ankara. 2- Carter GR (1984) Diagnostic Procedures in Veterinary Bacteriology
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			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Staphylococcus and Streptococcus species		
2	Bacillus and Clostridium species		
3	Listeria and Erysipelothrix species		
4	Corynebacterium, Rhodococcus and Arcanobacterium		
5	Mycobacterium and Actinomyces species		
6	Enterobacteriaceae Family (E. coli, Salmonella)		
7	Pseudomonas, Burkholderia and Actinobacillus		
8	MIDTERM EXAM		
9	Pasteurella, Mannheimia and Brucella species		
10	Campylobacter, Helicobacter and Vibrio		
11	Borrelia, Brachyspira) Spirochaetes (Leptospira, Borrelia, Brachyspira)		
12	Mycoplasma and Ureaplasma species		
13	Rickettsiales and Chlamydiales orders		
14	Dermatophytes and Yeasts		
15	Dimorphic Fungi and Opportunistic Mycoses		
16	FINAL EXAM		

Recommended Optional Programme Components	
VET219 MICROBIOLOGY-I	

Course Learning Outcomes	
No	Learning Outcomes
C01	Differentiates pathogenic microorganisms at genus and species level.
C02	Performs isolation and identification of agents from clinical samples.
C03	Evaluates the zoonotic potential of agents for public health.

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

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	3	3
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	3	3
Total Work Load			104
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	3	4	3	4	4	4	1	1	3	1	1	4	3	4	1	1	3	4
C01	5	4	5	2	3	4	5	1	1	2	1	1	5	5	4	1	1	4	5
C02	3	2	5	5	4	5	4	1	1	3	1	1	5	2	4	1	1	5	5
C03	4	4	4	2	5	3	5	1	1	4	1	1	4	3	5	1	1	3	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 microorganisms, Transfer of hereditary material, Examination, Extrachromosomal genetic elements, Bacteria viruses, pathogenicity, Microbial Antigens, Morphology of fungi, Metabolism of fungi, Viruses, Biotechnology

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 N
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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 acids	Research on the subject	Temel Mikrobiyoloji, Mustafa Arda, Medi
6	Transformation, 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 viruses	Research on the subject	Temel Mikrobiyoloji, Mustafa Arda, Medi
15	Cloning, 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 process 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 environment

Program Learning Outcomes	
No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
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P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Prof.Dr. Tuncay TUFAN

Instructors:

Assistants:

Recommended Sources

Textbook	:	Türkoğlu, M., Sarica, M., ve Eleroğlu, H. 2005. Hindi Yetiştiriciliği. Otak Form-Ofset, Samsun, Türkiye; Appleyard, R. 2008. Geese Breeding, Rearin
Resources	:	Türkoğlu, M., Sarica, 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., Sarica, M., ve Eleroğlu, H.	
2	Turkey breeds and hibrids	Course of the study subjects planned to Türkoğlu, M., Sarica, M., ve Eleroğlu, H.	
3	turkey genetics and improvement	Course of the study subjects planned to Türkoğlu, M., Sarica, M., ve Eleroğlu, H.	
4	Poult breeding and parent stock breeding	Course of the study subjects planned to Türkoğlu, M., Sarica, M., ve Eleroğlu, H.	
5	Nutrition and incubation of turkey.	Course of the study subjects planned to Türkoğlu, M., Sarica, M., ve Eleroğlu, H.	
6	Turkey fattening	Course of the study subjects planned to Türkoğlu, M., Sarica, M., ve Eleroğlu, H.	
7	Slaughter and producs of turkey	Course of the study subjects planned to Türkoğlu, M., Sarica, M., ve Eleroğlu, H.	
8	Midterm		
9	Health protection in turkey	Course of the study subjects planned to Türkoğlu, M., Sarica, 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

The aim of this course is to teach the fundamental pathological processes at the cellular and tissue levels underlying diseases in veterinary medicine.

Teaching Methods and Techniques:

This course covers cell injury, degeneration, necrosis, apoptosis, inflammation, circulatory disturbances, immune responses, and tissue repair mechanisms. The general pathogenesis of diseases is examined at both macroscopic and microscopic levels.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Özgür ÖZÖNER

Instructors:

Asist Prof.Dr. İhsan İşbilir Asist Prof.Dr. Özgür ÖzönerAsist Prof.Dr. Özgür Özöner

Assistants:

Research Assist. Betül Orhan

Recommended Sources	
Textbook	: Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçvanlar Basım, Konya, 2000
Resources	: Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçvanlar Basım, Konya, 2000
Documents	:
Assignments	:
Exams	:

Course Category		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		: 100

Course Content		
Week	Topics	Study Materials Materials
1	Laboratory Rules	Course of the study subject planned to t
2	definition and development of inflammation, causes of inflammation, vascular changes, liquordiapedesis, cell exudation, va	Course of the study subjects planned toVeteriner Genel Patoloji, Prof. Dr. Hüdav
3	exudative, alterative, proliferative, granulomatous, classification of the inflammations according to the duration	Course of the study subjects planned toVeteriner 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	Necrosis	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	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav
9	immunopathology	Veteriner Genel Patoloji, Prof. Dr. Hüdav
10	cell growth disorders	Course of the study subjects planned toVeteriner 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 toVeteriner 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
16	Final Exam	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav

Course Learning Outcomes	
No	Learning Outcomes
C01	Explains the basic concepts of general pathology and disease mechanisms.
C02	Analyzes cell injury, inflammation, and circulatory disturbances.
C03	Evaluates macroscopic and microscopic pathological findings.
C04	Performs differential diagnosis between different pathological processes.
C05	Relates pathological findings with clinical data.
C06	Interprets disease processes holistically.
C07	Applies general pathology knowledge in professional practice.

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

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	25	25
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	25	25
Total Work Load			106
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	4	5	4	4	4	4	5	4	4	4	3	5	3	3	3	4	4	4
C01	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C02	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C03	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C04	4	4	5	4	4	4	4	5	5	4	4	3	5	4	3	3	4	4	4
C05	4	4	5	4	4	4	4	5	4	4	4	3	5	4	3	3	4	4	4
C06	4	4	5	4	4	4	4	5	4	4	4	3	5	4	3	3	4	4	4
C07	4	4	5	4	4	4	4	5	4	5	4	3	5	4	3	3	4	4	4

Program Learning Outcomes

No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
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P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Asist Prof.Dr. Mumammed Ahmed SELÇUK

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., Seğer S., Sarıeyüboğlu 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			
Mathematics 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 fishes	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, ichtiyspori	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	Plathelminthes 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, plathelminthes 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 procedures.

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, Interference and Interferon, Viral Genetics, Pathogenesis of viral diseases, In vivo and in vitro environment, Laboratory animals, Virus inoculation methods to cell culture, Differentiation in embryo chicken 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 from 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	
Mathematics and Basic Sciences	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	:
Health	: 60
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 structure and infectivity of virus
C02	Learning development of viral infections in an organism
C03	Learned 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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	
Mathematics and Basic Sciences	: 10
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	:
Health	: 25
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 hutches, 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. Ankara Üniversitesi Veteriner fakültesi, Ankara 2) KAYMAKÇI Mustafa, AŞKIN Yücel (1997). Keçi Y
Resources	: 1) AKÇAPINAR Halil (1994). Koyun Yetiştiriciliği. Ankara 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 Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
2	Domestication of sheep	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
3	Sheep breeds of Turkey	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
4	Sheep breeds of World	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
5	Reproductive Traits of Sheep	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
6	Management applications in Sheep Husbandry	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
7	Goat breeding	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
8	Midterm exam		
9	Wool of sheep and mohair of goat knowledge	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
10	Chicken breeds, Chicken breeding knowledge, Poultry houses and equipments	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
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 Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
12	Selection and culling methods, Physiologic needs of chickens	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
13	Broiler Rearing, Breeder rearing, Layer hen rearing	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
14	Hatchery knowledge	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti
15	Piq rairing	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti	Course of the study subjects planned to 1) AKÇAPINAR Halil (1994). Koyun Yeti

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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., Kırkçı K : Alternatif Kanatlı Yetiştiriciliği, S. Ü. Vakfı Yayınları, Konya, 2000.
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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. Cetin O., Kırkçı K : Alternatif Kanatlı	
2	partridge , pheasant and quail place in the zoological classification	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
3	partridge , pheasant and quail breeds	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
4	Business site selection	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
5	Hosting	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
6	6 Set types and equipment needs	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
7	Growth principles	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
8	Midterm exam		
9	Reproductive characteristics	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
10	Breeding period of maintenance and management of	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
11	Incubation features	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
12	Meat and egg production	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
13	Production Planning	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
14	Food needs	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	
15	Health protection methods and major diseases	Course of the study subjects planned to 1. Cetin O., Kırkçı K : Alternatif Kanatlı	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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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

Mathematics 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	Preparation of patient for anesthesia		
4	Premedication and related drugs		
5	General anesthesia and postanesthesia follow-up		
6	Inhalation anesthesia and related drugs		
7	Injectable drugs in general anesthesia and dissociative anesthetics		
8	General anesthesia in equines and farm animals, General anesthesia in domestic animals		
9	General anesthesia in chickens, wild animals and exotics		
10	Reanimation and anesthetic complications		
11	Drugs for reanimation, Local anesthesia		
12	Local anesthesia types and local anesthetic drugs		
13	Spinal, epidural and paravertebral anesthesia		
14	Complications of local anesthesia and neonatal 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
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P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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. İnternet and Veterinary publications.
Resources	:	Zoonozlar, 2009. Ed.: Doğanay, M., Altıntaş, N. Bilimsel Tıp Yayınevi, Ankara, 1216s. İnternet ve Veteriner yayınları,Zoonoses-Yazarı: Martin Shake
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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 sources of drug, The pharmacokinetic and pharmacodynamics 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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	12	12
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	24	24
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	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 Hastalıkları
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
2	Nutrition of Laying Hens	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
3	Nutrition of Broilers	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
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., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
5	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
6	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
7	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
8	Midterm exm.		
9	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
10	Nutrition of Beef Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
11	Nutrition of Dogs and Cats	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
12	Mid-term Exam		
13	Nutrition of Horses	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
14	Nutrition of Sheep	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
15	Nutrition of Goats	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	1	15	15
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	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

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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:

The aim of this course is to provide an easy introduction to internal medicine courses. It shows how to systematically examine animals for various diseases in domestic animals.

Teaching Methods and Techniques:

The aim of this course is to provide an easy introduction to internal medicine courses. In this course, disease and health concepts, immobilization of animals, examination of various systems, interpretation of laboratory examinations are covered.

Prerequisites:

Course Coordinator:

Instructors:

Asist Prof.Dr. Özgür yaşar ÇELİK

Assistants:

Recommended Sources	
Textbook	: Veteriner İç Hastalıklarında Klinik Muayene, Başoğlu A, Bahçivanlar Basım, Konya, 1998. - Veteriner İç Hastalıklarına Giriş, İmren, HY, Medisan, An
Resources	: Veteriner İç Hastalıklarında Klinik Muayene, Başoğlu A, Bahçivanlar Basım, Konya, 1998. - Veteriner İç Hastalıklarına Giriş, İmren, HY, Medisan, An
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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 Hastalıklarında Klinik Muayene
3	The history		- Veteriner İç Hastalıklarında Klinik Muayene
4	General impression		- Veteriner İç Hastalıklarında Klinik Muayene
5	Outline of the general examination and initiation of general examination		- Veteriner İç Hastalıklarında Klinik Muayene
6	Restrain and preparation of farm and domestic animals		- Veteriner İç Hastalıklarında Klinik Muayene
7	Examination of the respiratory system of farm and domestic animals		- Veteriner İç Hastalıklarında Klinik Muayene
8	midterm exam		- Veteriner İç Hastalıklarında Klinik Muayene
9	Examination of the circulatory system of farm and domestic animals		Veteriner İç Hastalıklarında Klinik Muayene
10	Examination of the digestive tract and liver of farm and domestic animals		Veteriner İç Hastalıklarında Klinik Muayene
11	Examination of skin and hair of farm and domestic animals		- Veteriner İç Hastalıklarında Klinik Muayene
12	Examination of the kidneys and urinary tract of farm and domestic animals		- Veteriner İç Hastalıklarında Klinik Muayene
13	Examination of endocrine glands of farm and domestic animals		- Veteriner İç Hastalıklarında Klinik Muayene
14	Examination of nervous system of farm and domestic animals		- Veteriner İç Hastalıklarında Klinik Muayene
15	Collection of material for the laboratory diagnosis		- Veteriner İç Hastalıklarında Klinik Muayene

Course Learning Outcomes	
No	Learning Outcomes
C01	Student learns the concepts of disease and health.
C02	Student learns methods of restraint
C03	The student learns general examination methods such as inspection, palpation, percussion
C04	Student learns to take anamnesis
C05	Student learns the basics of inspection according to systems
C06	Student learns laboratory examinations

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

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	1	12
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	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:

The purpose of this course is; to teach veterinary candidates the fundamental mechanisms of the immune system, the functioning of cellular and humoral responses, antigen-antibody interactions, and their importance in animal health.

Teaching Methods and Techniques:

It covers the organs and cells of the immune system, properties of antigens, antibody structure, the complement system, and basic immune response mechanisms. It also examines specific and non-specific defense systems against infections.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. ÖZGÜL GÜLAYDIN

Instructors:

Asist Prof.Dr. Muazzez YEŞİLYURTAsist Prof.Dr. Songül ÖTKÜN Associate Prof.Dr. ÖZGÜL GÜLAYDIN

Assistants:

Research Assist. Mustafa Berkan GÜL

Recommended Sources	
Textbook	: İMMÜNOLOJİ (2003) Erganiş O, İstanbulluoğlu E, 3.baskı, Selçuk Ün.Basımevi, Konya.
Resources	: İMMÜNOLOJİ (2005) Diker, KS. Medisan, ANKARA.
Documents	: VETERINARY IMMUNOLOGY (2008) Tizard I. 8th Ed. Saunders Co., USA.,ORAL MİKROBİYOLOJİ ve İMMÜNOLOJİ (2003) Erganiş O, Öztürk A. Nob
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Introduction to Immunology		
2	Organs and Tissues of the Immune System		
3	Cells of the Immune System		
4	Antigens and Their Properties		
5	Antibodies: Structure and Function		
6	The Complement System		
7	Cytokines and Receptors		
8	MIDTERM EXAM		
9	Innate Immune Mechanisms		
10	Acquired Immunity: Cellular Response		
11	Acquired Immunity: Humoral Response		
12	Major Histocompatibility Complex		
13	Antigen-Antibody Interactions		
14	Immunological Tolerance		
15	Hiper Sensitivity Reactions		
16	FINAL EXAM		

Course Learning Outcomes	
No	Learning Outcomes
C01	Identifies immune system organs and cells.
C02	Explains the fundamental differences between antigens and antibodies.
C03	Schematizes the stages of the immune response.
C04	Interprets immunological data in infectious diseases.
C05	Follows immunological developments in the literature.

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

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	5	5
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	7	7
Total Work Load			68
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	P09	P10	P11	P13	P14	P15	P17	P18	P19	
All	4	3	5	2	2	3	4		1		4	4	3	2	1	4	
C01	5	2	4	2	1	3	3				3	4	2			3	
C02	5	2	5	2	1	3	4				4	4	2	3		5	
C03	5	2	5	2	1	4	4				4	5	3			4	
C04	4	3	5	3	3	4	5	2	2		5	5	4	4	4	5	
C05	3	5	4	3	2	2	3	1	3	1	3	4	3	2	2	3	

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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:

Instructors:

Asist Prof.Dr. Mehmet IRMAK

Assistants:

Recommended Sources

Textbook	:
Resources	: Ergül,M. Karma yem ve karma yem teknolojisi. 1994.
Documents	:
Assignments	:
Exams	:

Course Category

Mathematics 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

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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	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

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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:

Seğmeli

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 RESEARCH
Resources	: Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH. FAO REGIONAL OFFICE FOR EUROPE INTERREGIONAL COOPERATIVE RESEARCH
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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 PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
2	Some features of buffalo exterior appearance	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
3	World and Turkey buffalo breeds	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
4	World and Turkey buffalo breeds	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
5	Buffalo reproduction	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
6	Buffalo reproduction	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
7	Buffalo cub growth	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
8	Midterm		
9	Buffalo yield specifications	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
10	Manda care-management	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
11	Feeding buffalo	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
12	Water buffalo milk and meat industry	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
13	Buffalo products	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
14	Protection of buffalo disease	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH
15	Protection of buffalo disease	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH	Course of the study subjects planned to Antonio Borghese, 2005. BUFFALO PRODUCTION AND RESEARCH

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
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 development
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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. Ayfer FINDIK PAKROOH

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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

[illegible]

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 ar
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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 exam.		
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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:

The aim of this course is to teach the etiology, pathogenesis, macroscopic and microscopic findings of diseases affecting the digestive and respiratory systems in veterinary medicine and to enable students to correlate these findings with clinical data.

Teaching Methods and Techniques:

This course covers infectious, inflammatory, degenerative, and neoplastic diseases of the digestive and respiratory systems through a systematic approach. The pathogenesis, macroscopic, and histopathological findings of these diseases are evaluated.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Özgür ÖZÖNER

Instructors:

Asist Prof.Dr. İhsan İşbilirAsist Prof.Dr. Özgür Özöner

Assistants:

Research Assist. Betül Orhan

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			
Mathematics 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
16	Final Exam		

Course Learning Outcomes	
No	Learning Outcomes
C01	Explains the basic concepts, etiology, and pathogenesis of digestive and respiratory system diseases.
C02	Describes macroscopic and microscopic lesions observed in the digestive and respiratory systems.
C03	Analyzes pathological findings of digestive and respiratory system diseases.
C04	Evaluates histopathological findings to differentiate disease processes.
C05	Performs differential diagnosis between inflammatory, infectious, and neoplastic lesions.
C06	Interprets pathological findings by correlating them with clinical data.
C07	Develops a systematic approach for the evaluation of digestive and respiratory system diseases.

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

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	25	25
Practice	0	0	0
Laboratory	14	2	28
Project	0	0	0
Final examination	1	25	25
Total Work Load			106
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	4	5	4	4	4	4	5	4	4	4	3	5	3	3	3	4	4	4
C01	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C02	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C03	4	4	5	4	4	4	4	5	5	4	4	3	4	3	3	3	4	4	4
C04	4	5	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C05	4	5	5	4	4	4	4	5	5	4	4	3	5	4	3	3	4	4	4
C06	4	5	5	4	4	4	4	5	4	4	4	3	5	4	3	3	4	4	4
C07	4	5	5	4	4	4	4	5	4	5	4	3	5	4	3	3	4	4	4

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 Atz
Documents	:
Assignments	:
Exams	:

Course Category		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field

Course Content			
Week	Topics	Study Materials	Materials
1	Exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
2	The classification of exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
3	General characteristics of cold-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
4	Reproduction of Warm-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
5	Shelter cage and types features of Cold-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
6	Taking care of offspring of the Cold-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
7	Taking care of Cold-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
8	Midterm exam		
9	Behavior of cold-blooded Exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
10	General characteristics of warm-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
11	Reproduction of Warm-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
12	Type, shelter cage and features of warm-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
13	Taking care of Warm-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
14	Taking care of offspring of the warm-blooded exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t
15	Behavior of warm-blooded Exotic animals	Course of the study subjects planned to 1)	POYRAZ Öznur (2000). Laboratuvar t

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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 theoretical 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 organelles, Locomotion organelles (Cilium, flagella, pseudopoda), Balance organelles (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, Acanthamoeba, 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, Eperytozoon, 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. Mumammed Ahmed SELÇUK

Instructors:

Assistants:

Recommended Sources	
Textbook	: Veteriner Protozooloji, Tüzer E, Toparlak M. İstanbul Üniversitesi, 2000 2. Veteriner Protozooloji, Dumanlı N, Karaer Z. 2010
Resources	: textbook of protozoology
Documents	:
Assignments	:
Exams	:

Course Category		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		: 100

Course Content			
Week	Topics	Study Materials	Materials
1	Definition, aim and Importance of Protozoology	Morphology of Protozoa	Cell membrane (Plasmalemma, Pellicula): Cytoplasm
2	Balance organelles (Axostyl, Costa)	Physiology Of Protozoa	Movement, Feeding, Starvation, Respiration
3	Secretion and Excretion	Reproduction	Colonisation
4	Encystmen	Regeneration	Ecology
5	Transmission of Protozoa Infections	Immunity	Diagnosis
6	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
7	Histomonas, Monocercomonas and Costia	Trichomonas and Tritrichomonas	Retortamonas and Chilomastix
8	Cochlosoma anatis morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathological findings, diagnosis, treatment, control	Entamoeba, Endolimax, Dientamoeba and Iodamoeba	Acanthamoeba, Harmannella, Naegleria and Wahlkampfia species n
9	Midterm exam	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 symptom
10	Sarcocystis, Frenkelia and Neospora species and Hepatozoon canis; morphology, biology, epidemiology, the clinical sympto	Plasmodium, Haemoproteus and Leucocytozoon, Babesia, Theileria species morphology, biology, epidemiology, the clinical	Nosema species and Balantidium coli; morphology, biology, epidemiology, the clinical symptoms of the sick animals, pathol
11	Anaplasmosis	Anaplasma, Ehrlichia, Eperytozoon, Haemobartonella and Aegyptianella species; morphology, biology, epidemiology, the c	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues

P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Providing information about basic veterinary radiology and providing theoretical and practical information about imaging techniques such as x-ray and ultrasound.

Teaching Methods and Techniques:

1. The use of the x-ray device includes taking the radiography, developing the film, interpreting it and diagnosing the disease. 2. The use of the ultrasound device and probe includes the acquisition and evaluation of the image and recognition of the lesion. 3. It includes teaching the general principles, indications and advantages of Fluoroscopy, Thermography, Scintigraphy, Computed Tomography and Magnetic Resonance imaging devices.

Prerequisites:

Course Coordinator:

Prof.Dr. Nihat ŞINDAK

Instructors:

Prof.Dr. Nihat ŞINDAK

Assistants:

Recommended Sources	
Textbook	: 1) Alkan Z., "Veterinary Radiology" Ankara, 1999. 2) Arıcan M., "Veterinary General Radiology and Diagnostic Radiography Atlas for Cats and Dogs"
Resources	: 1) Alkan Z., "Veterinary Radiology" Ankara, 1999. 2) Arıcan M., "Veterinary General Radiology and Diagnostic Radiography Atlas for Cats and Dogs"
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	veterinary radiology and x-ray equipment and departments		
2	Veterinary radiology unit		
3	Radiographic quality		
4	Radiography shooting techniques		
5	Esophageal extraction techniques		
6	Shooting techniques and interpretation of small and large intestines		
7	Shooting techniques of kidneys and ureters		
8	Imaging techniques of the urinary bladder and urethra		
9	Liver imaging techniques and interpretation		
10	Trachea extraction techniques and interpretation		
11	Thorax imaging techniques and interpretation		
12	Lung patterns and their interpretation		
13	Heart radiographic techniques and interpretation		
14	Contrast material use techniques and radiographic shootings in radiography		

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	14	14
Total Work Load			52
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	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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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), folliculogenesis, 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. ONUR YILDIRIM

Instructors:

Assistants:

Recommended Sources	
Textbook	: Ultrason Fiziği ve İneklerde Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultrasonography (Horse, Cattle, Sheep, Goat, Pig, dog,cat
Resources	: Ultrason Fiziği ve İneklerde Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultrasonography (Horse, Cattle, Sheep, Goat, Pig, dog,cat
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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 (artefact)	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, Folliculogenesis 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Seğmeli

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

Mathematics 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	Learns 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
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P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 Infectious 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 Infectious Anemia, Caprine Arthritis Encephalitis Virus, Feline Calicivirus , Torovirus of Cattle, Equine Infectious Arteritis, Scrapie, Bovine Spongiform encephalitis, Borna Disease, Bovine papillomatosis, Canine Oral Papillomatosis, Adenovirus İnfection of Cattle, Canine İnfectious Laryngotracheitis, Hepatitis Contagiosa Canis, Infectious Bovine Rhinotracheitis, Bovine Mamillitis, Coryza Gangremonosa 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, Hemagglutination - Hemagglutination inhibition test, Hemadsorbsiyon test, Complement Fikzasyon test, Agar gel presipitation test, Immunofluorescence test - Immunoperoxidase test, ELISA, Elektroforez

Prerequisites:

Course Coordinator:

Asist Prof.Dr. AYFER FINDİK

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	
Mathematics and Basic Sciences	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	:
Health	: 100
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 VİROLOJİ (Prof.Dr.İbrahim BURGL
2	Louping İll, Feline Infectious Peritonitis, Rabies, Bovine Ephemeral Fever	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
3	Parainfluenza-3 virus in cattle, Rinderpest virus, Distemper, Respiratory Syncytial Virus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
4	Equine Influenza, Akabane, Blue Tongue, African Horse Sickness	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
5	Bovine Leucosis-Sarcom Complex, Maedi-Visna, Equine Infectious Anemia	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
6	Caprine Arthritis Encephalitis Virus, Feline Calicivirus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
7	Torovirus of Cattle, Equine Infectious Arteritis, Scrapie, Bovine Spongiform encephalitis, Borna Disease	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
8	midterm exam		
9	Bovine papillomatosis, Canine Oral Papillomatosis, Adenovirus İnfection of Cattle	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
10	Canine Infectious Laryngotracheitis, Hepatitis Contagiosa Canis	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
11	Infectious Bovine Rhinotracheitis	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
12	Bovine Mamillitis, Coryza Gangremonosa Bovum, Caprine Herpesvirus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
13	Equine Rhinopneumonitis, Herpesvirus Canis İnfection, Feline Viral Rhinotracheitis	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
14	Parvoviral İnfection, Cow pox virus, Sheep pox virus, Goat pox virus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
15	Paravaccinia İnfection, Stomatitis Vesicularis, Ectyma Contagiosum	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 ŞİNDAK

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		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		: 100

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 Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
2	Alan İnceleme	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
3	Alabalık Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
4	Alabalık Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
5	Sazan Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
6	Sazan Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
7	Tilapia Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
8	midterm		
9	Yayın Balığı Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
10	Ara Sınav	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
11	Sudak, Mersin Balığı Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
12	Teknik Gezi	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
13	Turna, Kadife Balığı Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
14	Canlı Balık Nakli	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği
15	Balık Sağlığı	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği	Course of the study subjects planned to 1) Çağıltay, F. 2007. İçsu Balıkları Yetiştiriciliği

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

Mathematics 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 Hastalıkları	
2	Nutritional disorders and metabolic diseases of Ruminants	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
3	Nutritional disorders and metabolic diseases of Ruminants	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
4	Nutritional disorders and metabolic diseases of Ruminants	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
5	Nutritional disorders and metabolic diseases of Ruminants	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
6	Nutritional disorders and metabolic diseases of Ruminants	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
7	Nutritional disorders and metabolic diseases of Ruminants	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
8	Midterm exm.		
9	Nutritional disorders and metabolic diseases of Ruminants	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
10	Nutritional disorders and metabolic diseases of Poultry	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
11	Nutritional disorders and metabolic diseases of Poultry	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
12	Nutritional disorders and metabolic diseases of Poultry	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
13	Nutritional disorders and metabolic diseases of Poultry	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
14	Nutritional disorders and metabolic diseases of Horse	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	
15	Atlarda beslemeye bağlı olarak oluşabilecek bozukluklar	Course of the study subjects planned to Çiftlik Hayvanlarında Beslenme Hastalıkları	

Course Learning Outcomes

No	Learning Outcomes
C01	The occurrence mechanisms and prevention methods of carbohydrate metabolism disorders are thought
C02	The occurrence mechanisms and prevention methods of protein metabolism disorders are thought
C03	The occurrence mechanisms and prevention methods of vitamin and mineral metabolisms disorders are thought

Program Learning Outcomes

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

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	9	9
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	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

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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:

Professional practice of infectious and non-infectious surgical diseases and treatment methods of the head, neck, thorax, abdomen, rump and tail, male genital organs, urinary system, soft and bone tissue of the front and hind limbs of horses, cattle, sheep, goats and pigs. It aims to teach at the required level in line with the European Union criteria.

Teaching Methods and Techniques:

Teaches infectious and non-infectious surgical diseases and treatment methods of head, neck, thorax, abdomen, rump and tail, male genital organs, urinary system, soft and bone tissue of front and hind limbs of horses, cattle, sheep, goats and pigs.

Prerequisites:

Course Coordinator:

Prof.Dr. Nihat ŞINDAK

Instructors:

Assistants:

Recommended Sources

Textbook	:	1-Special surgery, Samsar E, Akin F (2006), Medipres publishing, Ankara 2-Veterinary general operation information, Aslanbey D (2002)), Medipre
Resources	:	1-Special surgery, Samsar E, Akin F (2006), Medipres publishing, Ankara 2-Veterinary general operation information, Aslanbey D (2002)), Medipre
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 60
Social Sciences	:	Field	: 40

Course Content

Week	Topics	Study Materials	Materials
1	Skin and subcutaneous connective tissue diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
2	Cranium region muscle and nerve injuries and diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
3	Central nervous system diseases and cerebrovascular diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
4	Diseases of the ear and air sacs	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
5	Diseases of the sinuses (paranasal sinuses) and nasal passage injuries and obstructions	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
6	Pharynx and esophagus diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
7	Respiratory diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
8	Neck region muscle, vascular, bursa and cervical vertebra diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
9	Surgical diseases of the thoracic region	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
10	Traumas, contusions and inflammatory lesions of the abdominal region and walls	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
11	Stomach and intestinal diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
12	Diseases of the rectum and anus	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
13	Urinary system diseases	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)	Course of the study subjects planned to 1-Special surgery, Samsar E, Akin F (2006)
14	Back and waist diseases	Studying the subject that is planned to 1-Special surgery, Samsar E, Akin F (2006)	Studying the subject that is planned to 1-Special surgery, Samsar E, Akin F (2006)

Course Learning Outcomes

No	Learning Outcomes
C01	To understand the diseases that may be encountered in small animal surgery.
C02	Ability to analyze clinical, imaging and laboratory findings of these diseases. ;
C03	Ability to explain diagnosis and differential diagnosis
C04	how to describe lesions of these diseases and prepare oral and written reports

Program Learning Outcomes

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

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:

Seğmeli

Goals:

Identifying and treating common oral pathologies in cats and dogs.

Teaching Methods and Techniques:

Oral examination of animals and identification of diseases.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Kadir SULU

Instructors:

Asist Prof.Dr. Kadir SULU

Assistants:

Recommended Sources

Textbook	:	Book of dental, oral and maxillofacial diseases in small animals
Resources	:	generally surgery
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content

Week	Topics	Study Materials	Materials
1	Dental terminology		
2	Tooth numbers and tidan numbering system		
3	Oral examination in cats and dogs		
4	Gingivitis and its treatment		
5	Periodontal diseases and treatment options		
6	Gingivostomatitis and its treatment		
7	oral papillomatosis		
8	Chrome fracture and caries diagnosis and treatment options		
9	Tooth resorption in cats		
10	Ordotandic diseases		
11	Tooth decay in dogs		
12	Gingivostomatitis in cats		
13	Sorting and numbering in large animals		
14	Dental diseases in large animals		
15	Treatment options for dental diseases in large animals		

Course Learning Outcomes

No	Learning Outcomes
C01	Learning about oral examination and diagnosing diseases and treatment options
C02	learn to learn about th disease

Program Learning Outcomes

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

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	0	%40	Course Duration	14	1	14
Quizzes	0	%0	Hours for off-the-c.r.stud	10	1	10
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	3	3
Project	0	%0	Practice	0	0	0
Final examination	0	%60	Laboratory	0	0	0
Total		%100	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:

Seğmeli

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:

Associate Prof.Dr. Tuncay TUFANAsist Prof.Dr. Cahit ÖZCAN

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	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	:
Health	: 25
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, S.D., Colpan, I., Y	
2	Nutrient requirements of pigs	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
3	Energy and protein evaluation systems in pigs	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
4	Nutrition of piglets	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
5	Feeding of sows	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
6	Feeding of fattening pigs	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
7	Feeding of breeding pigs	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
8	visa	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
9	The feeds used in pig feed	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
10	The feeds used in pig feed	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
11	Nutritional diseases in pigs - I	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
12	Nutritional diseases in pigs - II	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
13	Pigs in clinical nutrition - I	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
14	Clinical feeding in pigs - II	Studying the subject that is planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., Y	
15	Pigs in clinical nutrition - II	Course of the study subjects planned to 1) Ergün, A., Tuncer, S.D., Colpan, I., 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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 Kurtde
Resources	:	2-Kafes Kuşlarının Muayenesi ve Hastalıkları Ed. Prof. Dr. Arif Kurtde
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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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, harmfulness,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 epidemiological 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 DİK Veteriner Entomoloji 2
2	General internal morphology, biology, behaviour etc.		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
3	Collecetion and preservation of arthropods, medical and veterinary importance		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
4	Control measurments of arthropods, İnsektisides and Acaricides		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
5	Introduction to Antennata, Insecta Morphological and biological features, veterinary importance, diagnosis, treatment and		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
6	Morphological and biological features, veterinary importance, diagnosis, treatment and control		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
7	Morphological and biological features, veterinary importance, diagnosis, treatment and control		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
8	Midtterm exam		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
9	Introduction to Diptera, Morphological and biological features, veterinary importance, diagnosis, treatment and control of t		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
10	Morphological and biological features, myiasis, veterinary importance, diagnosis, treatment and control		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
11	Hypodermatidae ,Hippoboscidae, Muscidae etc. (Musca, Stomoxys, Fannia, Haematobia)Glossinidae Morphological and bi		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
12	Chelicerata hakkında genel bilgi, akrep ve örümceklerin iç ve dış yapıları, gelişmeleri, zararları ve mücadele yolları		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
13	Ixodidae Morphological and biological features, veterinary importance, diagnosis, treatment and control		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
14	Argasidae Morphological and biological features, veterinary importance, diagnosis, treatment and control		Prof. Dr. Bilal DİK Veteriner Entomoloji 2
15	Trombiculidae, Pyemotidae, Cheyletiellidae, Mesositiqmata; Dermanyssidae, VarroaidaeMorphological and biological feature		Prof. Dr. Bilal DİK 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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 PHARMACOLOGY-II					
Semester	Course Code	Course Name	L+P	Credit	ECTS
6	VET304	PHARMACOLOGY-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, Anthelmintics, 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:

Associate Prof.Dr. Devran COŞKUN

Instructors:

Associate Prof.Dr. Devran COŞKUN

Assistants:

Recommended Sources	
Textbook	: Veteriner İlaç(2013, Ed:Prof.Dr. Enver YAZAR)
Resources	: SPECIAL PHARMACOLOGY Selahattin KAYA
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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	Antifungal drugsAnthelmintic drugs		Veterinary Medicine E-Book: A textbook
5	Anthelmintic 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	12	12
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	24	24
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 responses, immunities to newborn and at body surfaces, tolerance, deficiencies, immunodiagnostic methods is aimed. At the end of the period, students are expected to explain involvement of immune system in health and disease 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, Immunomodulation, 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. Noba
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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	IMMUNOLOGY (2003) Erganiş O, İstanbul
2	Acquired immunity, antigens	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
3	Ontogeny	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
4	Immunoglobulin ve Antikorlar	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
5	Cellular Immunity	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
6	Vaccines, sera, and measurements of antibodies	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
7	Examination	Preparations for the exam	IMMUNOLOGY (2003) Erganiş O, İstanbul
8	Autoimmunity and autoimmune diseases	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
9	Immune deficiencies	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
10	Detection of immunity	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
11	Mucosal Immunity and fertilization	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
12	Resistance to tumors	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
13	Immunomodulation	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul
14	Tissue transplantation	Research on the subject	IMMUNOLOGY (2003) Erganiş O, İstanbul

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 autoimmune reactions
C05	Performing immunological diagnostic test methods

Program Learning Outcomes

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

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	0,5	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

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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 coefficient 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
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 Repeatability 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 respiratory, cardiovascular and protozoan diseases in pet and farm animals. For this purpose, clinical findings, diagnosis and treatment will be taught.

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, 5th Ed., W.B.Saunders Company, Volume
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Respiratory System Diseases in Large Animals	Research on the lesson	1. Textbook of Veterinary Internal Medicine
2	Respiratory System Diseases in Large Animals	Research on the lesson	1. Textbook of Veterinary Internal Medicine
3	Respiratory System Diseases in Large Animals	Research on the lesson	1. Textbook of Veterinary Internal Medicine
4	Respiratory System Diseases in Large Animals	Research on the lesson	1. Textbook of Veterinary Internal Medicine
5	Respiratory System Diseases in Domestic Animals	Research on the lesson	1. Textbook of Veterinary Internal Medicine
6	Respiratory System Diseases in Domestic Animals	Research on the lesson	1. Textbook of Veterinary Internal Medicine
7	Respiratory System Diseases in Domestic Animals	Research on the lesson	1. Textbook of Veterinary Internal Medicine
8	midterm exam		
9	Protozoal Diseases	Research on the lesson	1. Textbook of Veterinary Internal Medicine
10	Diseases with Hemoglobinuria	Research on the lesson	1. Textbook of Veterinary Internal Medicine
11	Circulation System Disorders	Research on the lesson	1. Textbook of Veterinary Internal Medicine
12	Circulation System Disorders	Research on the lesson	1. Textbook of Veterinary Internal Medicine
13	Cutaneous Disorders	Research on the lesson	1. Textbook of Veterinary Internal Medicine
14	Cutaneous Disorders	Research on the lesson	1. Textbook of Veterinary Internal Medicine
15	Cutaneous Disorders	Research on the lesson	1. Textbook of Veterinary Internal Medicine

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 dysphasia
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
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 development
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P10	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P14	Understand the national and international legislation about the area
P19	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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

Mathematics 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 Üretim Mekanizasyonu. Ç	
2	Preparation steps of feed for particular animals	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
3	Feed ingredients	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
4	Systems used for rich textured feed	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
5	Feed plants, types of feed plants	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
6	Structure of a full automatic feed plant	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
7	Units in feed plants, cleaning and dosing unit	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
8	Midterm exm.		
9	Grinding unit, hammer mills, vals and disc mills	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
10	Mixturing unit, mixturing systems	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
11	Conveyors used in feed plants	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
12	Capacity calculation for conveyors	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
13	Packaging unit	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
14	Designing a particular feed plant	Course of the study subjects planned to 1) Karma Yem Üretim Mekanizasyonu. Ç	
15	Excursion to some feed plants	Course of the study subjects planned to 1) Karma Yem Üretim 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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

Mathematics 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 trachea		
3	Thoracic and cardiovascular system, the lung		
4	Mediastinum, pleura, diaphragm		
5	Cardiovascular system		
6	Radiographic evaluation of the digestive system		
7	Pharynx and esophagus 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 cardiovascular system.
C03	reviews the Abdomen radiographic evaluation.
C04	Knows the radiographic evaluation of the skeletal system.
C05	Knows the radiographic evaluation of the columnar vertebrae.
C06	knows Contrast agents and their applications

Program Learning Outcomes

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

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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

Mathematics 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. Lyr		
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	Peanesthetic 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	15	8	120
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	4	4
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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

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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. Ayfer FINDIK PAKROOH

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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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:

The aim of this course is to teach the etiology, pathogenesis, macroscopic and microscopic findings of diseases affecting the nervous, cardiovascular, hematopoietic, urinary, genital, and integumentary systems in veterinary medicine and to enable students to correlate these findings with clinical data.

Teaching Methods and Techniques:

This course covers infectious, inflammatory, degenerative, and neoplastic diseases of the nervous, cardiovascular, hematopoietic, urinary, genital, and integumentary systems through a systematic approach. The pathogenesis, macroscopic, and histopathological findings of these diseases are evaluated.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Özgür ÖZÖNER

Instructors:

Asist Prof.Dr. İhsan İşbilir Asist Prof.Dr. Özgür Özöner

Assistants:

Research Assist. Betül Orhan

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

Mathematics 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 lymphatic system pathology	Research on the subject	Veteriner Sistemik Patoloji- Ders Notu V
13	Haematopoietic and lymphatic 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
16	Final Exam		

Course Learning Outcomes

No	Learning Outcomes
C01	Explains the basic concepts and pathogenesis of diseases affecting the nervous, cardiovascular, hematopoietic, urinary, genital, and integumentary systems.
C02	Describes the macroscopic and microscopic pathological findings of these organ systems.
C03	Analyzes pathological findings of systemic diseases.
C04	Evaluates histopathological findings to differentiate various disease processes.
C05	Performs differential diagnosis between neoplastic and non-neoplastic lesions.
C06	Interprets pathological findings by correlating them with clinical data.
C07	Develops a systematic approach for the evaluation of diseases affecting different organ systems.

Program Learning Outcomes

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

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	25	25
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	25	25
Total Work Load			106
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	4	5	4	4	4	4	5	4	4	4	3	5	3	3	3	4	4	4
C01	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C02	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C03	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C04	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C05	4	4	5	4	4	4	4	5	5	4	4	3	4	4	3	3	4	4	4
C06	4	4	5	4	4	4	4	5	4	4	4	3	4	4	3	3	4	4	4
C07	4	4	5	4	4	4	4	5	4	5	4	3	4	4	3	3	4	4	4

Program Learning Outcomes

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

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:

Associate Prof.Dr. DEVRAN COŞKUN

Instructors:

Associate Prof.Dr. DEVRAN COŞKUN

Assistants:

Recommended Sources

Textbook	:	liquid treatment, Tank BİLAL
Resources	:	sıvı sağaltımım, Tank BİLAL
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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	Hyperchloreaemia, 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

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
P17 Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13 In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09 Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03 The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02 Contains up to date information in the field of textbooks, magazines and follow the web site
P01 Understand the relationships between concepts and concepts related to the field
P16 Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18 The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15 Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12 All surgical interventions in the field of scientific methods and meticulous
P11 Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08 In animal breeding and feeding areas will have theoretical and practical knowledge
P07 Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06 Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05 Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10 Understand the national and international legislation about the area
P14 Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19 Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

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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 secundinarium and puerperal infections, metabolic diseases.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. ÖZNUR YILMAZ

Instructors:

Assistants:

Recommended Sources	
Textbook	: Kısraclarda Doğum Ve Jinekoloji By Prof. Dr. Mustafa KAYMAZ, Prof. Dr. Murat FINDIK, Prof. Dr. Ali RİŞVANLI, Yrd. Doç. Dr. Afşin KÖKER , İkinci B
Resources	: Kısraclarda 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			
Mathematics 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 Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
2	Reproductive physiology and Endocrinology	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
3	Pubertas and sexual cycles	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
4	Clinical use of hormones	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
5	Examination of female reproductive organs	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
6	Control of reproduction	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
7	Embryo transplantation	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
8	Midterm exam	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
9	Physiology of pregnancy	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
10	Diagnosis of pregnancy.	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
11	Pregnancy Pathology and abortion problem.	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
12	Prolapse vagina and prolapse uteri	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
13	Birth, power, birth and birth aid.	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
14	puerperal period and problems, metabolic diseases.	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof
15	Retentio Secundinarum and puerperal infection.	Course of the study subjects planned to Kısraclarda Doğum Ve Jinekoloji By Prof	Course of the study subjects planned to Kısraclarda 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
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P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
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P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 monocytogenes, Yersinia enterocolitica, Staphylococcus aureus, Bacillus cereus, Clostridium perfringens, Clostridium 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, putrefaction, 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 İldiz 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	
Mathematics and Basic Sciences :	Education :
Engineering :	Science :
Engineering Design :	Health : 50
Social Sciences :	Field : 50

Course Content	
Week	Topics
1	Determinations, historical backgrounds, basic subjects of the food science.
2	Food constituents- Proteins, fat, carbohydrates, vitamins, minerals and water.
3	Food spoilage
4	Gıda preservation
5	Food additives
6	Foodborne toxins
7	Foodborne allergens
8	Midterm examination
9	Food microbiology- Bacteria
10	Food microbiology -Viruses and prions.
11	Food microbiology- Parasites
12	Foodborne infections and intoxications: 10 from most existed ones.
13	Egg science and technology.
14	Fish and other marine products' science and technology.
15	Water hygiene and technology.

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, awareness for environment , waste
C02	Food constituents and functions.
C03	Food processing techniques
C04	Food preservation techniques
C05	Food contaminants and contamination
C06	Food hygiene and sanitation
C07	Cleaning and disinfection
C08	Foodborne health problems (physical, chemical, bacterial, viral and parasitic agents)
C09	Water hygiene

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

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 Banş AKGÜL

Assistants:

Recommended Sources

Textbook	:	Small animal surgery, Veteriner özel şırurji
Resources	:	Large animal surgery
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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 diseases		
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 diseases of domestics		
11	Gastrointestinal diseases and treatments in farm animals		
12	Surgical diseases of rectum and anus		
13	Urinary-system diseases		
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	14	3	42
Quizzes	0	%0	Hours for off-the-c.r.stud	14	2	28
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	6	6
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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 anatomy, physiology, endocrinology, sexual cycles and control of reproduction, examination of genital organs, embryo transfer, physiology of pregnancy, diagnosis of pregnancy, pathology of pregnancy and abortions.

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, abortion problem, prolapse vagina includes delivery issues.

Prerequisites:

Course Coordinator:

Asist.Prof.Dr. Özner YILMAZ KOÇ

Instructors:

Asist.Prof.Dr. Özner YILMAZ KOÇ

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 İnfertilite
Documents	:
Assignments	:
Exams	:

Course Category	
Mathematics and Basic Sciences	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	:
Health	: 60
Field	: 40

Course Content		Study Materials	Materials
Week	Topics		
1	Anatomy of reproductive organs	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
2	Sexual cycles (cow and mare)	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
3	Sexual cycles (sheep, goat, dog, cat)	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
4	Clinical use of hormones	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
5	Examination of female reproductive organs	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
6	Examination of female reproductive organs	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
7	Control of reproduction	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
8	ARA SINAV	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
9	Control of reproduction	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
10	Embryo transfer	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
11	Physiology of Pregnancy	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
12	Diagnosis of pregnancy	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
13	Pathology of pregnancy	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
14	Abortus	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite
15	Prolapsus vagina	Course of the study subjects planned to 1)	1) Evcil Hayvanlarda Doğum ve İnfertilite

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P18	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P16	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	14	4	56
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			100
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 microscobic and macroscopic 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:

Asist Prof.Dr. Ahmet ESER

Instructors:

Asist Prof.Dr. Ahmet ESER

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	: Biotechnology 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			
Mathematics 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	Technique 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	3	42
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	1	1	1
Practice	14	4	56
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			100
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	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 GülmezAssociate Prof.Dr. Nevzat Konar Prof.Dr. Murat GülmezProf.Dr. Murat Gülmez

Instructors:

Associate Prof.Dr. Nevzat KonarProf.Dr. Murat Gülmez

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 into 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 prophylaxy 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

Mathematics 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 of
2	General and spesific examination methods of diseases of nervous system.	Imaging in urinary system disorders.	
3	General treatment 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.Glomerulopatı		
7	Transmission of bovine spongiform 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	Nuromuscular 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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, treatment 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 for the parent stocks, vaccines which will be administered in incubation, in ovo vaccination procedure, spray 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:

Associate Prof.Dr. ÖZGÜL GÜLAYDIN

Instructors:

Asist Prof.Dr. Muazzez YEŞİLYURT Asist Prof.Dr. Songül ÖTKÜN Associate Prof.Dr. ÖZGÜL GÜLAYDIN

Assistants:

Research Assist. Mustafa Berkan GÜL

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),Carlı K.T., Kanatlı Hayvanların Enfeksiyon Hastalıkları
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	General introduction to the course, general concepts, biosecurity in poultry farms		
2	Newcastle Disease		
3	Infectious Bronchitis Disease		
4	Marek Disease		
5	Infectious Bursal Disease		
6	Poultry Leukosis		
7	Epidemic Tremor, Egg Drop Syndrome Diseases		
8	Poultry Pox, Chicken Infectious Anemia Diseases		
9	Midterm Exam		
10	Poultry Reovirus Infections, Poultry Influenza		
11	Poultry Salmonella infections; Typhoid, Pullorum and Paratyphoid infections		
12	Poultry Mycoplasma Infections		
13	Escherichia coli infections		
14	Streptococcus infection, Staphylococcus infection, Necrotic Enteritis infections		
15	Fowl Cholera, Infectious Coryza		
16	Final Exam		

Recommended Optional Programme Components	
VET208 VIROLOGY-I	
VET219 MICROBIOLOGY-I	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	1	1
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	1	1
Total Work Load			86
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	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			
Mathematics 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	Peanesthetic 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 stc		
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	15	8	120
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	3	3
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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 elektrokardiografi
Assignments	:
Exams	:

Course Category			
Mathematics 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 Kardiyoloji	
2	Examination of the cardiovascular system	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
3	Radiographic examination of the thorax	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
4	Heart failure	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
5	Diagnosis and treatment of arrhythmia	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
6	Echocardiography Dog	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
7	Dilatatif cardiomyopathy, myocardial insufficiency primary reason	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
8	Midterm		
9	Congestive heart failure and valvular disease	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
10	infective endocarditis	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
11	Congenital heart disease	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
12	Cats cardiomyopathies	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
13	Blood pressure and heartworm infestation	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
14	shock syndrome	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	
15	Pericardial and pleural diseases	Course of the study subjects planned to Tarık Bilal, Köpek ve Kedilerde Kardiyoloji	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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. Ayfer FINDIK PAKROOH

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		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		: 100

Course Content		
Week	Topics	Study Materials Materials
1	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
2	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
3	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
4	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
5	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
6	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
7	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical 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 appropriatMedical Passages & Vocabulary for UDS
10	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
11	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
12	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
13	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
14	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical Passages & Vocabulary for UDS
15	Medikal English text and Turkish translation	subjects should be chosen as appropriatMedical 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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:

The aim of this course is to teach the fundamental principles of necropsy, postmortem changes, and evaluation of pathological findings in veterinary medicine and to enable students to perform systematic examinations to determine the cause of death.

Teaching Methods and Techniques:

This course covers necropsy techniques, postmortem changes, systematic examination of organs, evaluation of macroscopic lesions, and sampling methods. In addition, the correlation of necropsy findings with clinical data is evaluated.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Özgür ÖZÖNER

Instructors:

Asist Prof.Dr. İhsan İşbilirAsist Prof.Dr. Özgür Özöner

Assistants:

Research Assist. Betül Orhan

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	
Mathematics and Basic Sciences	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	:
Health	: 100
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.
16	Final Exam		

Course Learning Outcomes	
No	Learning Outcomes
C01	Explains the basic principles of necropsy and its importance in veterinary pathology.
C02	Describes postmortem changes and pathological lesions.
C03	Analyzes the systematic steps of necropsy procedures in animals.
C04	Evaluates macroscopic findings and differentiates various lesion types.
C05	Applies appropriate sampling and preparation techniques for laboratory examinations.
C06	Interprets necropsy findings by correlating them with clinical data.
C07	Develops a systematic approach to necropsy practices within veterinary pathology.

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

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	14	1	14
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	10	10
Project	0	%0	Practice	14	1	14
Final examination	1	%60	Laboratory	0	0	0
Total		%100	Project	0	0	0
			Final examination	1	10	10
			Total Work Load			48
			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	4	4	4	4	5	4	4	4	3	5	3	3	3	4	4	4
C01	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C02	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	5
C03	4	4	5	4	4	4	4	5	4	4	4	3	5	3	3	3	4	5	5
C04	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	5	5
C05	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	5	5
C06	4	4	5	4	4	4	4	5	4	4	4	3	5	4	3	3	4	5	5
C07	4	4	5	4	4	4	4	5	4	5	4	3	5	4	3	3	4	5	5

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:

Seğmeli

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, zoonanthroposis, classification and terms, Schistosomiasis, Fasciolosis and other trematode infections, Cystic Echinococcosis, alveolar echinococcosis, Taeniosis and other cestode infections Toxocarariasis, Filariasis and other nematode infections, Amebiasis, Giardiasis, Trypanosomiasis, 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. Simpson: 1998. ZOONNOSES. Biology, Clinical Pra
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	nthropozoonosis, zoonanthroposis, classification and terms		TUZER, E , TOPARLAK, M (2000) : Vet
2	Schistosomiasis and Fasciolosis		TUZER, E , TOPARLAK, M (2000) : Vet
3	Other trematode infections		TUZER, E , TOPARLAK, M (2000) : Vet
4	Cystic Echinococcosis, alveolar echinococcosis		TUZER, E , TOPARLAK, M (2000) : Vet
5	Taeniosis and other cestode infections		TUZER, E , TOPARLAK, M (2000) : Vet
6	Toxocarariasis		TUZER, E , TOPARLAK, M (2000) : Vet
7	Filariasis and other nematode infections		TUZER, E , TOPARLAK, M (2000) : Vet
8	Amebiasis, Giardiasis, Trypanosomiasis		TUZER, E , TOPARLAK, M (2000) : Vet
9	Leishmaniasis and Cryptosporidiosis		TUZER, E , TOPARLAK, M (2000) : Vet
10	Sarcosporidiosis and Toxoplasmosis, Plasmodium and Babesia infections		TUZER, E , TOPARLAK, M (2000) : Vet
11	Diptera, myiasis		TUZER, E , TOPARLAK, M (2000) : Vet
12	Fleas and ticks		TUZER, E , TOPARLAK, M (2000) : Vet
13	Scabies and other mites		TUZER, E , TOPARLAK, M (2000) : Vet
14	Scabies and other mites		TUZER, E , TOPARLAK, M (2000) : Vet

Course Learning Outcomes	
No	Learning Outcomes
C01	Students are expected to gain information about zoonotic diseases.
C02	Morphology, biology and diagnostics of Zoonosis Parasites learns
C03	Learn to way of treatment and prevention of zoonosis parasites

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

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:

The aim of this course is to provide students with knowledge, skills, and clinical evaluation competence regarding the biology, classification, clinical findings, diagnostic methods, and treatment approaches of tumors seen in pet animals.

Teaching Methods and Techniques:

This course content includes the etiopathogenesis, biological behavior, diagnostic methods, cytological and histopathological evaluations, imaging techniques, and medical/surgical treatment approaches of benign and malignant tumors seen in pet animals. In addition, clinical approaches and prognosis evaluations in oncological cases are examined.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. Mustafa Barış AKGÜL

Instructors:

Associate Prof.Dr. Mustafa Barış AKGÜL Asist Prof.Dr. Kadir SULUAsist Prof.Dr. Onur YILDIRIMProf.Dr. Nihat ŞINDAKProf.Dr. Mehmet SAĞLAM Associate Prof.Dr. Ali GÜLAYDIN

Assistants:

Research Assist. Maruf YILMAZ Research Assist. Bahar ERDENResearch Assist. Sevdet KILIÇ

Recommended Sources	
Textbook	: Fossum, T. W. (2019). Small animal surgery (5th ed.). Elsevier.
Resources	: Tobias, K. M., & Johnston, S. A. (2012). Veterinary surgery: Small animal (2nd ed.). Elsevier.
Documents	: Monnet, E. (Ed.). (2013). Small animal soft tissue surgery. Wiley-Blackwell.
Assignments	: Slatter, D. (Ed.). (2003). Textbook of small animal surgery (3rd ed.). Saunders.
Exams	: Samsar, E., & Akin, F. (2000). General surgery. Medipres. Yanik, K. General Surgery Lecture Notes (CD). Bursa, 2006,Görköl, O. S. Surgery Lecture Notes, Bursa, 2000, Görköl, O. S., Seyrek-İntas, D. Intro

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Introduction to veterinary oncology and basic terminology		
2	Tumor biology and carcinogenesis		
3	Classification of benign and malignant tumors		
4	Clinical examination methods in oncological cases		
5	Cytological diagnostic methods		
6	Histopathological evaluation methods		
7	Imaging techniques in veterinary oncology		
8	MIDTERM EXAM		
9	Skin and soft tissue tumors		
10	Mammary tumors		
11	Bone and joint tumors		
12	Hematopoietic system tumors		
13	Principles of surgical oncology		
14	Chemotherapy, radiotherapy, and multidisciplinary treatment approaches		1
15	Clinical oncology case evaluations and prognosis		
16	END OF SEMESTER EXAM		

Course Learning Outcomes	
No	Learning Outcomes
C01	Explains the biology, classification, and pathogenesis of tumors seen in pet animals.
C02	Compares the biological behaviors of benign and malignant tumors.
C03	Interprets cytological, histopathological, and imaging findings.
C04	Applies clinical examination methods in oncological cases.
C05	Plans treatment methods in accordance with surgical oncology principles.
C06	Evaluates chemotherapy and radiotherapy applications.
C07	Acts in accordance with ethical principles in veterinary

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

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	5	5	5	3	4	5	3	5	3	5	5	5	3	3	2	4	5	4
C01	5	5	4	4	3	3	4	3	5	2	4	3	3	2	2	2	3	3	3
C02	4	4	5	5	3	4	5	3	4	3	5	5	5	4	4	2	4	5	4
C03	4	5	5	5	3	4	5	3	5	3	4	5	5	3	3	2	4	5	5
C04	5	4	4	4	3	3	4	3	4	3	4	5	5	3	3	2	4	4	4
C05	4	4	5	5	3	4	5	3	5	4	5	4	5	3	3	2	4	4	5
C06	4	5	5	4	3	4	5	3	4	3	4	5	5	3	3	2	4	5	4
C07	5	4	4	3	3	3	4	3	5	4	5	4	4	3	4	2	3	3	3

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), folliculogenesis, 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. Ahmet ESER

Instructors:

Asist Prof.Dr. Ahmet ESER

Assistants:

Recommended Sources

Textbook	:	Ultrason Fiziği ve İneklere Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultrasonography (Horse, Cattle, Sheep, Goat, Pig, dog,cat
Resources	:	Evcil Hayvanlarda Doğum ve Infertilite (Alaçam E).,Ultrason Fiziği ve İneklere Reprodüktif Ultrasonografi (Dinç DA); Veterinary Reproductive Ultra
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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 İneklere 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 İneklere Reprodüktif	
3	Examination techniques with ultrasonography.	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
4	Technological Developments in Ultrasonography-ITechnological Developments in Ultrasonography-II	Course of the study subjects planned to Ultrason Fiziği ve İneklere 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 İneklere Reprodüktif	
6	Ultrasonography of Genital Organs in the Cow (Ultrasonographic Biometry and Fetometry)	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
7	OVUM PICK-UP / OPU, Folliculogenesis in cow	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
8	Midterm exam	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
9	Use of Ultrasonography to Increase Reproductive Efficiency in Cows	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
10	Use of Ultrasonography for Reproductive Purpose in Sheep and Goats	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
11	The Use of Ultrasonography for Reproductive Purposes in Mares	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
12	The Use of Ultrasonography for Reproductive Purposes in Cat and Dogs	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
13	Use of Ultrasonography in Reproductive Purposes in Pigs.	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
14	Ultrasonography of the mammary in domestic animals	Course of the study subjects planned to Ultrason Fiziği ve İneklere Reprodüktif	
15	Use of Other Imaging Techniques for Reproductive Purposes	Course of the study subjects planned to Ultrason Fiziği ve İneklere 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

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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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



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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:

Associate Prof.Dr. Devran COŞKUN

Instructors:

Associate Prof.Dr. Devran COŞKUN

Assistants:

Recommended Sources	
Textbook	: Veteriner Hekimliğinde Toksikoloji (Ed:Sezai Kaya, Medisan Yayınevi)
Resources	: Toksikoloji, Şener S & Yıldırım M, 2000 .
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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

Recommended Optional Programme Components	
VET511 PHARMACOLOGY-TOXICOLOGY	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	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. Sefa ÜnereResearch Assist. Kübranur Yıldız Bayhan

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. Hirsh and Y.C. Zee, USA, 2002
Exams	: Encyclopedic Reference of Parasitology, Mehlhorn H, Springer Verlag, 2001. 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 subjects of the future week have been	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	The subjects of the future week have been	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	The subjects of the future week have been	Learning materials were prepared by the
4	Food derived diseases, protection ways from food poisoning and chemical derived food poisoning	The subjects of the future week have been	Learning materials were prepared by the
5	Food control services in Turkey and in European Union, EU food authority, white document, farm animals registration system	The subjects of the future week have been	Learning materials were prepared by the
6	General principles required in food production and marketing places	The subjects of the future week have been	Learning materials were prepared by the
7	Classification of zoonoses, epidemiology, control-prevention and legal arrangements related to these diseases	The subjects of the future week have been	Learning materials were prepared by the
8	Midterm examination		
9	Other bacterial zoonoses, epidemiology, control-prevention and legal arrangements	The subjects of the future week have been	Learning materials were prepared by the
10	Epidemiology, control-prevention and legal arrangements on viral and mycotic zoonoses and general approaches on control	The subjects of the future week have been	Learning materials were prepared by the
11	Epidemiology, control-prevention and legal arrangements on parasitic zoonoses	The subjects of the future week have been	Learning materials were prepared by the
12	Basic concepts of environment- food pollution, reasons of environment-food pollution and its general effects	The subjects of the future week have been	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 subjects of the future week have been	Learning materials were prepared by the
14	Responsibilities of veterinary surgeons in use of medicine, tolerance rate of medicine and other chemicals	The subjects of the future week have been	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 subjects of the future week have been	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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Associate 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			
Mathematics 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 İ
2	Used of antibiotic in digestive system infections		Veteriner Hekimliğinde İlaç Kullanımına İ
3	Used of antibiotic in respiratory system infections		Veteriner Hekimliğinde İlaç Kullanımına İ
4	Used of antibiotic in respiratory system infections		Veteriner Hekimliğinde İlaç Kullanımına İ
5	Used of antibiotic in urinary system infections		Veteriner Hekimliğinde İlaç Kullanımına İ
6	Used of antibiotic in urinary system infections		Veteriner Hekimliğinde İlaç Kullanımına İ
7	Use of Antibiotics in Urinary System Infections		Veteriner Hekimliğinde İlaç Kullanımına İ
8	Midterm		Veteriner Hekimliğinde İlaç Kullanımına İ
9	Used of antibiotic in skins infections		Veteriner Hekimliğinde İlaç Kullanımına İ
10	Used of antibiotic in skins infections		Veteriner Hekimliğinde İlaç Kullanımına İ
11	Used of antibiotic in skins infections		Veteriner Hekimliğinde İlaç Kullanımına İ
12	Used of antibiotic in other infections		Veteriner Hekimliğinde İlaç Kullanımına İ
13	Used of antibiotic in other infections		Veteriner Hekimliğinde İlaç Kullanımına İ
14	Used of antibiotic in other infections		Veteriner Hekimliğinde İlaç Kullanımına İ
15	Used of antibiotic in other infections		Veteriner Hekimliğinde İlaç Kullanımına İ

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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:

Asist Prof.Dr. Kadir SULU

Instructors:

Assistants:

Recommended Sources

Textbook	:	Cattle Foot Diseases
Resources	:	Lamines
Documents	:	Siğır ayak hastalıkları
Assignments	:	
Exams	:	

Course Category

Mathematics 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 unguiae		
4	Surgery of foot		
5	Healy claws and its physiology		
6	Trimming, bandage and claw bath		
7	Foot anatomy of horse		
8	Hoof deformities 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

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
P17 Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13 In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09 Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03 The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02 Contains up to date information in the field of textbooks, magazines and follow the web site
P01 Understand the relationships between concepts and concepts related to the field
P16 Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18 The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15 Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12 All surgical interventions in the field of scientific methods and meticulous
P11 Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08 In animal breeding and feeding areas will have theoretical and practical knowledge
P07 Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06 Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05 Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10 Understand the national and international legislation about the area
P14 Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19 Knows, applies and interprets laboratory analyzes in basic animal diseases.

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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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 gynecological 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 KOÇ

Instructors:

Asist Prof.Dr. Öznur YILMAZ KOÇ

Assistants:

Recommended Sources

Textbook	:	1.Çiftlik Hayvanlarında Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Fındık., M., Rışvanlı., A., Köker., A. Medipres, Malatya, 2015, 2. Arthur's Ve
Resources	:	.Çiftlik Hayvanlarında Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Fındık., M., Rışvanlı., A., Köker., A. Medipres, Malatya, 2015 2. Arthur's Vete
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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 Infertilite
2	Birth assistance	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
3	Fetotomy	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
4	Cesarian	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
5	Dystocia	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
6	Postpartum stage and physiology	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
7	Postpartum infectios	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
8	ARA SINAV		
9	Infertility in cow	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
10	Infertility in cow	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
11	Metabolic diseases	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
12	Infertility in mare	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
13	Infertility in carnivors	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
14	Infertility in buffalo and camels	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite
15	Gynecologic operations	Course of the study subjects planned to 1)	Evcil Hayvanlarda Doğum ve Infertilite

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 about endication and technics of c-section operation.
C05	They will have knowledge about retensio 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 laminitis 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 infertility due to malnutrition in cow
C11	They will have knowledge 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 infertility 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

The aim of this course is to enable students to explain the distribution, occurrence, and spread of diseases at the population level and interpret basic epidemiological measures.

Teaching Methods and Techniques:

This course covers basic concepts of epidemiology, determinants of disease, transmission routes, disease measures, and control methods.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. Özgül GÜLAYDIN

Instructors:

Asist Prof.Dr. Muazzez YEŞİLYURT Associate Prof.Dr. Özgül GÜLAYDIN Asist Prof.Dr. Songül ÖTKÜN

Assistants:

Research Assist. Mustafa Berkan GÜL

Recommended Sources	
Textbook	: Veteriner Epidemiyoloji. Hasan Hüseyin Hadimli. Nobel Akademik Yayıncılık.
Resources	: Thrusfield, M. (n.d.). Veterinary epidemiology. John Wiley & Sons.
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Definition and purpose of epidemiology	Research on the subject	Veteriner Epidemiyoloji. Hasan Hüseyin
2	Branches of epidemiology and basic concepts		Veteriner Epidemiyoloji. Hasan Hüseyin
3	Determinants of disease – host factors		Veteriner Epidemiyoloji. Hasan Hüseyin
4	Determinants of disease – agent factors		Veteriner Epidemiyoloji. Hasan Hüseyin
5	Determinants of disease – environmental factors		Veteriner Epidemiyoloji. Hasan Hüseyin
6	Measures of disease – basic concepts (ratio, proportion, rate)		Veteriner Epidemiyoloji. Hasan Hüseyin
7	Prevalence and incidence		Veteriner Epidemiyoloji. Hasan Hüseyin
8	Midterm Exam		
9	Transmission routes and mechanisms of spread		Veteriner Epidemiyoloji. Hasan Hüseyin
10	Disease in populations		Veteriner Epidemiyoloji. Hasan Hüseyin
11	Spatial and temporal distribution		Veteriner Epidemiyoloji. Hasan Hüseyin
12	Ecological approach – basic concepts		Veteriner Epidemiyoloji. Hasan Hüseyin
13	Ecological interactions and disease relationships		Veteriner Epidemiyoloji. Hasan Hüseyin
14	Health schemes		Veteriner Epidemiyoloji. Hasan Hüseyin
15	Disease control and eradication		Veteriner Epidemiyoloji. Hasan Hüseyin
16	Final exam		

Course Learning Outcomes	
No	Learning Outcomes
C01	Explains basic concepts of epidemiology
C02	Classifies transmission routes of diseases
C03	Analyzes disease determinants
C04	Interprets epidemiological measures
C05	Evaluates disease control methods

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

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	1	1	1
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			17
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	P05	P06	P07	P09	P11	P13	P14	P15	P17	P18	P19	
All	2	2	1	1	2	2	1	1	1	2	2	1	1	1	
C01	3	2	1		1	1				1					
C02	2	2	1	1	2	2			1	1	1				
C03	2	2	2	1	2	3	1		1	2	2		1	1	
C04	2	3	1	1	2	2	1		1	1	1	1		1	
C05	1	2	1	2	2	3	1	1	1	2	2		1	1	

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 on pathological findings and based on legal requirements are aimed to be taught. In meat products technology part, teaching of postmortal changes occurring 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 for the 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. chauvei infection, tetanus, pasteuriosis, tularemia, Antemortem and postmortem findings and decision in slaughter animals for actinomycosis, actinobacillosis, salmonellosis, rabies, scrapie, contagious bovine pleuropneumonia, contagious capri pleuropneumonia, aphtous fever, blue tongue, leucosis, BSE, Findings and decision in conditions such as septicemia, toxemia, pigmentation, jaundice, abscess, hematoma, cachexia, caseification 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, Principle 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 Bayhan Research 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.
	Arslan, A. Meat Inspection and meat products' technology. Medipres Ltd. Malatya, Türkiye. ISBN: 978-605-9720-42-7, 2021.,Good Practices for the

Course Category

Mathematics 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 subjects of the future week have been	Learning materials were prepared by the
2	Official documents required for transport of slaughter animals, classification of slaughterhouses, parts of slaughterhouses s	The subjects of the future week have been	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 subjects of the future week have been	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 subjects of the future week have been	Learning materials were prepared by the
5	Antemortem and postmortem findings and decision in slaughter animals for anthrax, tuberculosis, brucellosis, paratubercul	The subjects of the future week have been	Learning materials were prepared by the
6	Antemortem and postmortem findings and decision in slaughter animals for actinomycosis, actinobacillosis, salmonellosis, r	The subjects of the future week have been	Learning materials were prepared by the
7	Findings and decision in conditions such as septicemia, toxemia, pigmentation, jaundice, abscess, hematoma, cachexia, case	The subjects of the future week have been	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 subjects of the future week have been	Learning materials were prepared by the
10	Carcass deboning, pH changes observed after slaughter, rigor mortis and meat maturation, DFD, PSE meats, cold shortenin	The subjects of the future week have been	Learning materials were prepared by the
11	Cooling, cold storage, freezing and heating in meat preservation	The subjects of the future week have been	Learning materials were prepared by the
12	Principle applications used in meat processing and classification of meat products, methods of drying and smoking	The subjects of the future week have been	Learning materials were prepared by the
13	Selection of meat in fermented meat processing, preparation of sausage batter, filling, main points in fermentation, pastr	The subjects of the future week have been	Learning materials were prepared by the
14	Selection of meat in sausage-salami production, important points in preparation of emulsion, heating and smoking process	The subjects of the future week have been	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 on pathological findings and based on legal requirements, can send samples for
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
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
P17	 Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	 In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	 Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	 The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	 Contains up to date information in the field of textbooks, magazines and follow the web site
P01	 Understand the relationships between concepts and concepts related to the field
P16	 Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	 The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results

P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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:

Instructors:

Asist Prof.Dr. Mehmet IRMAK

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

[illegible]

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 prophylaxis of diseases of gastrointestinal in domestic and companion animals with endocrine 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) D_3 Production Control 5 The effects of cataracts and constipation and diarrhoeal 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 Tetanus, Osteomalacia 7 Diseases of cats and dogs with abdominal tension, Milk Fever, Hypomagnesemia Tetanus, Rickets, Osteomalacia 8 Ruminants with anorexia and abdominal tension, Postparturient 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 Pantothenic 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		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		: 100

Course Content		
Week	Topics	Study Materials Materials
1	Cats and dogs diseases characteristic with pythyalism . Congenital Methabolic Diseases .Productive Metabolic 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 , Prevention fr	
10	Ruminants diseases characteristic with anorexia and abdominal distention , Cupper Deficiency , Cupper Deficiency 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 Deficiency , Liposolubly Vitamins Deff	
13	Ruminants liver diseases , Hydrosoluby Vitamins , Vitamin B1 Deficiency , Niacin Deficiency , Vitamin B2 Deficiency	
14	Horses diseases characteristic with dysphagiaHorses diseases characteristic with diarrhea , Panthotonic Acid Deficiency , V	
15	Horses diseases characteristic with colichorses liver diseases , Horses gastric diseases , Vitamin B12 Deficiency , Vitamin C	

Course Learning Outcomes	
No	Learning Outcomes
C01	learn gastrointestinally diseases of dog and cats.
C02	learn gastrointestinally diseases of ruminants and equides

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

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	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

[illegible]

All	5	5	5	5	2	3	4	1	4	4	1	1	2	2	2	1	1	1	1
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C01	5	5	5	5	2	3	4	1	4	4	1	1	1	1	1	1	1	1	1
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[illegible]

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. Öznur YILMAZ KOÇ

Instructors:

Asist Prof.Dr. Öznur YILMAZ KOÇ

Assistants:

Recommended Sources	
Textbook	: Kaynaklardan hazırlanmış ders notları, - Nekropsi ve Makroskopik Tanı Ders Notu - Veteriner Sistemik Patoloji Ders Notu
Resources	: Veteriner Genel Patoloji, Prof. Dr. Hüdaaverdi ERER, Prof. Dr. Metin M.KIRAN, Prof. Dr. M. Kemal Çiftçi, Konya-2015
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	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	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 al, 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 Teğhis- Prof. Dr. Kürşat TURGUT, Prof. Dr. Mahmut OK,Klini
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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	Learns 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 aim of this course is to enable students to acquire knowledge, skills, and competencies in breast health protection, diagnosis, treatment, and prevention methods of breast diseases, and mastitis control programs.

Teaching Methods and Techniques:

This course covers mammary anatomy and physiology, lactation biology, factors affecting mammary health, etiology, diagnosis and treatment methods of mastitis, milk hygiene, herd health practices, and mastitis control programs. It also evaluates preventive medicine practices and current approaches in mammary diseases.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Öznur YILMAZ KOÇ

Instructors:

Asist Prof.Dr. Ali ÜNVER

Assistants:

Research Assist. Merve Bulut

Recommended Sources	
Textbook	: Kaymaz, M., Findık, M., Rışvanlı, A., & Köker, A. (2016). Mammary gland diseases in domestic animals. Malatya, Türkiye: Medipress.
Resources	: Kaymaz, M., Findık, M., Rışvanlı, A., & Köker, A. (2016). Mammary gland diseases in domestic animals. Malatya, Türkiye: Medipress.
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics and Basic Sciences	:	Education	:
Engineering	:	Science	:
Engineering Design	:	Health	: 100
Social Sciences	:	Field	:

Course Content			
Week	Topics	Study Materials	Materials
1	Anatomy and morphology of the breast	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
2	Udder anatomy, udder morphology	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
3	Factors affecting lactation physiology, milk secretion, cumulus composition, milk yield	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
4	Anatomical, cellular and humoral defense system of udder, strengthening the udder immune system	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
5	Predisposing factors of mastitis	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
6	Etiopathogenesis of mastitis	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
7	Mastitis caused by contagious bacteria, etiopathogenesis, risk factors and precautions	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
8	midterm exam		
9	Mastitis brought on by environmental bacteria, etiopathogenesis, risk factors and precautions to be taken	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
10	Mastitis brought on by opportunistic bacteria, etiopathogenesis, risk factors and complaints	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
11	Treatment of mastitis in terms of place of treatment and mastitis treatment according to clinical forms	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
12	Milk hygiene and milking management	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
13	Drying in cows, dry period importance and dry period management	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
14	Infectious and non-infectious diseases of nipple	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
15	Udder operations	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	
16	End-of-semester exam	Course of the study subjects planned to Mammary Gland Diseases in Domestic A	

Course Learning Outcomes	
No	Learning Outcomes
C01	The student explains breast anatomy, physiology, and lactation mechanisms.
C02	The student analyzes infectious and environmental factors affecting breast health.
C03	The student applies clinical examination and diagnostic methods in animals with mastitis.
C04	The student implements preventive practices related to milk hygiene and milking management.
C05	The student evaluates mastitis control programs from a herd health perspective.
C06	The student selects and interprets the appropriate approach in the treatment of breast diseases.
C07	The student critically discusses current scientific data related to breast health.

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

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	14	1	14
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	10	10
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	Project	0	0	0
			Final examination	1	10	10
			Total Work Load			34
			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	4	5	4	4	4	4	4	5	4	4	4	4	4	4	4	4
C01	5	4	4	4	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3
C02	4	5	5	4	4	4	4	3	4	4	5	4	4	4	4	4	4	4	4
C03	4	4	5	5	4	5	5	4	5	4	4	4	4	5	4	5	4	4	4
C04	4	4	4	5	5	4	4	5	4	5	4	5	4	4	5	4	5	5	4
C05	5	4	4	4	5	5	5	4	5	4	5	4	5	4	5	5	4	4	5
C06	4	4	5	4	4	5	4	4	5	5	4	4	4	5	4	5	4	4	5
C07	5	5	4	4	4	4	4	5	4	4	5	5	5	4	4	4	5	4	4

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 veterarnarians and orientate the students to veterinary legislation

Teaching Methods and Techniques:

Veterinary ethics, Basic ethical principles and veterinary medicine, ethical princpls 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 applied 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	veterinary ethics		
3	basic ethical principles and veterinary medicine		
4	professional ethics		
5	ethical committees(local,national and nternational)		
6	ethical principles and problems scientific research activities		
7	ethical principles and problems in scientfic publication activities		
8	Midterm exam		
9	the legal structure of veterinary practice in turkey		
10	veterinarylegislation within the scope of EU practice		
11	animal rigts and ethics		
12	animal welfare and ethics		
13	discussion of professional ethics and legislations(under the 6343 law)		
14	discussions of professionl ethics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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			
Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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, Parasitil 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, →
2	Bacterial disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
3	Bacterial disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
4	Bacterial disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
5	Bacterial disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
6	Viral disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
7	Viral disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
8	Viral disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
9	Viral disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
10	Parasitil disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
11	Midterm exam	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
12	Parasitil disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
13	Fungal infections	Research on the subject	Kaynaklardan hazırlanmış ders notları, →
14	Metabolic disorders and nutritions disease	Research on the subject	Kaynaklardan hazırlanmış ders notları, →

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	0,5	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

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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 orthopaedic disorders of domestic animals

Teaching Methods and Techniques:

diagnosis and treatment of veterinary orthopedic diseases

Prerequisites:

Course Coordinator:

Prof.Dr. Nihat ŞİNDİAK

Instructors:

Prof.Dr. Nihat ŞİNDİAK

Assistants:

Recommended Sources

Textbook	:	Veterinary Orthopaedics and Traumatology
Resources	:	Small animal surgery
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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 inflammation		
12	Periost and bone inflammation		
13	Angular deformities		
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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:

Asist Prof.Dr. Ahmet ESER

Instructors:

Asist Prof.Dr. Ahmet ESER

Assistants:

Recommended Sources

Textbook	:	1. Akalin, S., Karagözlü, C. 2010 . Dondurma Teknolojisi Ders Notları. Basılmamış Ders Notları. Bornova - İzmir 2. Arbuckle, W. S. (1986). Ice Cream, Kluwer Academic/Plenum Publishers, USA
Resources	:	Marshall, R. T., Goff, H. D., Hartel, R. W. (2003). Ice Cream, Kluwer Academic/Plenum Publishers, USA
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics and Basic Sciences	:	30	Education	:	40
Engineering	:		Science	:	30
Engineering Design	:		Health	:	
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
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P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	14	2	28
Quizzes	0	%0	Hours for off-the-c.r.stud	14	2	28
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	1	1
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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	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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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, microbiology 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.
	:	5.Tekinsen OC. Tekinsen K. Süt ve Süt Ürünleri. Selcuk Üniversitesi Basımevi. Konva. 2005.

Course Category

Mathematics 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 country	The subjects of the future week have been prepared by the	Learning materials were prepared by the
2	Safe and hygienic milking, storing of milk, transport to milk processing plants and	The subjects of the future week have been prepared by the	Learning materials were prepared by the
3	Chemistry of milk (milk fat, protein, sugar, vitamin and minerals, enzymes), its importance in human nutrition	The subjects of the future week have been prepared by the	Learning materials were prepared by the
4	Microbiology of milk and dairy products, natural flora of milk, contaminants in dairy technology, general microbiology of dairy products	The subjects of the future week have been prepared by the	Learning materials were prepared by the
5	Infections and intoxications linked to the consumption of dairy products and the contaminants (antibiotics, disinfectants and preservatives)	The subjects of the future week have been prepared by the	Learning materials were prepared by the
6	Introduction to milk industry, analyses applied to milk in the plants (clarification, bactofugation, homogenization and standardization)	The subjects of the future week have been prepared by the	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 subjects of the future week have been prepared by the	Learning materials were prepared by the
8	Midterm examination		
9	Yogurt technology: fruit yogurt, defects and methods of prevention, quality control, suitability to Turkish Food Codex, ayr.	The subjects of the future week have been prepared by the	Learning materials were prepared by the
10	Feta cheese technology, quality defects in feta cheese and prevention methods, quality control, suitability to Turkish Food Codex	The subjects of the future week have been prepared by the	Learning materials were prepared by the
11	Traditionally produced cheese varieties	The subjects of the future week have been prepared by the	Learning materials were prepared by the
12	Technologies of some famous foreign cheeses (Edam, Gouda, Swiss Emmental, Gruyere, Cheddar, Roquefort, Mozzarella, etc.)	The subjects of the future week have been prepared by the	Learning materials were prepared by the
13	Butter technology	The subjects of the future week have been prepared by the	Learning materials were prepared by the
14	Milk drying technology	The subjects of the future week have been prepared by the	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 relevant 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses

P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 Tip 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 tip
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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

[illegible]

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
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P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

[illegible]

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 kind 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 Anatomv 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, diaphragm, 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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 concepts 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, Nizamlioğlu 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 Uygulamaları, Medisan, Ankara. 1. Lehninger AL, Nelson DL, Cox MM (1993) Principles of Biochemistrv. second Edition. United States of America. 2. McKee T. McKee JR (2003) Bior

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, Nizamlioğlu M
2	Coenzymes (Lipoic acid, ubiquinone, prostetic groups obtained from modified aminoacid moities, group transfer proteins as	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu 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, Nizamlioğlu 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, Nizamlioğlu 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, Nizamlioğlu M
6	Hormones (Hormones of hypothalamic, Hormones of hypophysis, Hormones of thyroid and parathyroid glands, Adrenocort	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
7	Carbohydrate Metabolism TCA Cycle	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu 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, Nizamlioğlu M
10	Protein Metabolism (Catabolism of carbon skeletons of amino acids, Nitrogen metabolism, Urea Biosynthesis, protein synth	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu M
11	Nucleic Acids Metabolism	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu 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, Nizamlioğlu M
13	Lipid Metabolism Eicosanoids, Triacylglycerol ve neutral lipids, Lipoproteins, Synthesis of asidic phospholipids, Synthesis of	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu 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, Nizamlioğlu M
15	oxidative phosphorylation	Lecture Notes	1.Kalaycıoğlu L, Serpek B, Nizamlioğlu 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
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P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	14	3	42
Quizzes	0	%0	Hours for off-the-c.r.stud	14	6	84
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	13	13
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	14	4	56
Total		%100	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:

The aim of this course is to enable intern students to integrate theoretical knowledge of veterinary surgery with clinical practice and to develop competencies in the diagnosis, treatment, surgical procedures, and postoperative care of surgical patients within the framework of professional ethics and patient safety.

Teaching Methods and Techniques:

This course covers asepsis and antisepsis practices, operating room organization, surgical patient management, preoperative evaluation, anesthesia applications, basic surgical techniques, soft tissue and orthopedic surgical procedures, wound management, postoperative care, and management of surgical complications. In addition, case-based clinical discussions are conducted to improve students' clinical decision-making and problem-solving skills.

Prerequisites:

Course Coordinator:

Associate Prof.Dr. Mustafa Barış AKGÜL

Instructors:

Associate Prof.Dr. Mustafa Barış AKGÜL Asist Prof.Dr. Kadir SULUAsist Prof.Dr. Onur YILDIRIMProf.Dr. Nihat ŞINDAKProf.Dr. Mehmet SAĞLAM Associate Prof.Dr. Ali GÜLAYDIN

Assistants:

Research Assist. Maruf YILMAZ Research Assist. Bahar ERDENResearch Assist. Sevdet KILIÇ

Recommended Sources

Textbook	: Fossum, T. W. (2019). Small animal surgery (5th ed.). Elsevier.
Resources	: Tobias, K. M., & Johnston, S. A. (2012). Veterinary surgery: Small animal (2nd ed.). Elsevier.
Documents	: Monnet, E. (Ed.). (2013). Small animal soft tissue surgery. Wiley-Blackwell.
Assignments	: Slatter, D. (Ed.). (2003). Textbook of small animal surgery (3rd ed.). Saunders.
Exams	: Samsar, E., & Akin, F. (2000). General surgery. Medipres.
	Yanik, K. General Surgerv Lecture Notes (CD). Bursa. 2006.Göraül. O. S. Suraerv Lecture Notes. Bursa. 2000. Göraül. O. S.. Sevrek-İntas. D. Intro

Course Category

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

Course Content

Week	Topics	Study Materials	Materials
1	Orientation to the surgery clinic, operating room rules, and asepsis-antisepsis practices	Clinical patient admission and gene	
2	Trauma surgery and emergency surgical approaches	Evaluation and management of surgical complications	Gastrointestinal !

Course Learning Outcomes

No	Learning Outcomes
C01	Explains the preoperative, intraoperative, and postoperative evaluation processes of surgical patients.
C02	Explains the fundamental principles of asepsis, antisepsis, sterilization, and operating room organization.
C03	Applies surgical instruments, suture materials, and basic surgical techniques using appropriate methods.
C04	Performs clinical examination in surgical patients and determines appropriate surgical approaches.
C05	Performs wound management, bandaging, and postoperative care procedures.
C06	Evaluates surgical complications and makes decisions in accordance with patient safety and ethical principles.
C07	Effectively manages clinical problem-solving and teamwork processes in surgical cases.

Program Learning Outcomes

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

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	2	16	32
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	0	0	0
Practice	2	16	32
Laboratory	0	0	0
Project	0	0	0
Final examination	1	2	2
Total Work Load			66
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	3	5	4	4	4	3	5	5	5	3	3	2	4	4	3
C01	4	3	5	4	2	4	4	4	4	3	4	4	5	2	2	1	3	4	3
C02	4	4	4	5	2	5	3	3	3	2	5	5	4	2	2	1	3	3	2
C03	4	3	5	5	3	5	4	4	4	3	4	5	5	3	2	2	4	4	3
C04	4	3	5	5	3	5	4	4	4	3	4	5	5	3	3	2	5	5	3
C05	4	3	5	4	3	5	4	4	5	3	4	4	5	3	3	2	4	4	3
C06	4	4	4	4	2	4	4	4	4	3	5	4	5	3	4	2	4	4	3
C07	5	4	4	4	3	4	5	4	4	4	5	4	5	4	4	3	5	4	3

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, fütotomi, 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 antiseptis 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. Öznur YILMAZ KOÇ

Instructors:

Assistants:

Recommended Sources	
Textbook	: Çiftlik Hayvanlarında Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Findık., M., Rışvanlı., A., Köker., A. Medipres, Malatya, 2015, 2. Arthur's Vete
Resources	: Çiftlik Hayvanlarında Doğum ve Jinekoloji, A.Semacan., Kaymaz., M., Findık., M., Rışvanlı., 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 Hayvanlarında 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 Hayvanlarında 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	16	32
Hours for off-the-c.r.stud	0	0	0
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	0	0	0
Practice	2	16	32
Laboratory	0	0	0
Project	0	0	0
Final examination	0	0	0
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	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 microscobic and macroscopic 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:

Asist Prof.Dr. Ahmet ESER

Instructors:

Asist Prof.Dr. Ahmet ESER

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	: Biotechnology 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			
Mathematics 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	Technique 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	1	16	16
Hours for off-the-c.r.stud	0	0	0
Assignments	1	16	16
Presentation	0	0	0
Mid-terms	0	0	0
Practice	1	16	16
Laboratory	0	0	0
Project	0	0	0
Final examination	1	16	16
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	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 sources of drug, The pharmacokinetic and pharmacodynamics 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:

Associate Prof.Dr. DEVRAN COŞKUN

Instructors:

Associate Prof.Dr. DEVRAN COŞKUN

Assistants:

Recommended Sources	
Textbook	: Farmakoloji I ders notu (B.Taş, 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		
Mathematics and Basic Sciences	:	Education
Engineering	:	Science
Engineering Design	:	Health
Social Sciences	:	Field
		100

Course Content		
Week	Topics	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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	14	14
Practice	14	1	14
Laboratory	0	0	0
Project	0	0	0
Final examination	1	22	22
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	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

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FACULTY OF VETERINARY MEDICINE Veterinary Medicine

VET529 PHYSIOLOGY				
Semester	Course Code	Course Name	L+P	Credit
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	
Mathematics and Basic Sciences	:
Engineering	:
Engineering Design	:
Social Sciences	:
Education	:
Science	: 10
Health	: 90
Field	:

Course Content		
Week	Topics	Study 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

Program Learning Outcomes

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

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

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 monocytogenes, Yersinia enterocolitica, Staphylococcus aureus, Bacillus cereus, Clostridium perfringens, Clostridium 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, putrefaction, properties of fresh fish, Milk hygiene: Microbial spoilage in milk

Prerequisites:

Course Coordinator:

Prof.Dr. Murat GÜLMEZ

Instructors:

Asist. Prof.Dr. Zelal KARAKOÇ Prof.Dr. Murat GÜLMEZ

Assistants:

Research Assist. Kübranur Yıldız Bayhan Research Assist. Sefa Üner

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			
Mathematics 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 properties of water	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, hamburger)	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 poultry meat	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, putrefaction, 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
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 development
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P10	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P15	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

Seğmeli

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 Hastalıkları
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
2	Nutrition of Laying Hens	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
3	Nutrition of Broilers	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
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., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
5	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
6	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
7	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
8	Midterm exm.		
9	Nutrition of Dairy Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
10	Nutrition of Beef Cattle	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
11	Nutrition of Dogs and Cats	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
12	Mid-term Exam		
13	Nutrition of Horses	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
14	Nutrition of Sheep	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	
15	Nutrition of Goats	Course of the study subjects planned to 1. Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004). Hayvan Besleme ve Beslenme Hastalıkları	

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows; located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	14	4	56
Quizzes	0	%0	Hours for off-the-c.r.stud	14	2	28
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	7	7
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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

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 mammals. Developments of embryonic sheets called as endoderm, ectoderm and mesoderm, and organs systems arised from those in mammals 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., Aşti, 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. Ozer, A., Girgin, A., Alabay B., Liman,	
2	Epithelial tissue and connective tissue cells	Course of the study subjects planned to 1. Ozer, A., Girgin, A., Alabay B., Liman,	
3	Cartilage tissue and bone tissue	Course of the study subjects planned to 1. Ozer, A., Girgin, A., Alabay B., Liman,	
5	Blood tissue	Course of the study subjects planned to 1. Ozer, A., Girgin, A., Alabay B., Liman,	
5	Muscle tissue	Course of the study subjects planned to 1. Ozer, A., Girgin, A., Alabay B., Liman,	
6	Nerve Tissue	Course of the study subjects planned to 1. Ozer, 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 to 1. Editör: Özer A,Yazarlar: Yakışık M, Oz	
12	embryonic of nerve and sensory system	Course of the study subjects planned to 1. Editör: Özer A,Yazarlar: Yakışık M, Oz	
13	embryonic development of digestive and respiratory system	Course of the study subjects planned to 1. Editör: Özer A,Yazarlar: Yakışık M, Oz	
14	Embryonic 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment	Quantity	Percentage
In-Term Studies		
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

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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:

Associate 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			
Mathematics 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 of
2	General and specific examination methods of diseases of nervous system.	Imaging in urinary system disorders.	
3	General treatment 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.	Glomerulopathy	
7	Transmission of bovine spongiform 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	Nuromuscular 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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 microorganisms, Transfer of hereditary material, Examination, Extrachromosomal genetic elements, Bacteria viruses, pathogenicity, Microbial Antigens, Morphology of fungi, Metabolism of fungi, Viruses, Biotechnology

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, Paracıoğlu J. İlke-Emek Yayınları, Ankara., VETERINARY MICROBIOLOGY and MICROBIAL DISEASE (
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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 acids	Research on the subject	Temel Mikrobiyoloji, Mustafa Arda, Medi
6	Transformation, 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 viruses	Research on the subject	Temel Mikrobiyoloji, Mustafa Arda, Medi
14	Cloning, 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 process 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 environment

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

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	14	3	42
Quizzes	0	%0	Hours for off-the-c.r.stud	14	1	14
Assignment	0	%0	Assignments	0	0	0
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	1	12	12
Project	0	%0	Practice	0	0	0
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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, Nomenclature 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, (i
2	Host-parasite relationsheep	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
3	The types of parasitism according to the host parasite relationsheep	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
4	History of parasitology	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
5	Localisations of the parasites in hosts	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
6	Development of parasites	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
7	Nomenclature of parasites and parasitic diseases	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
8	Midterm exam		
9	Origines of parasites	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
10	Reproduction of parasites	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
11	Pathogenicity of parasitic diseases	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
12	Epidemiology of parasitic diseases	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
13	Immunity of parasitic diseases	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
14	Symptoms of parasitic diseases	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i
15	Prognose, treatment and control of parasitic diseases	Research on the lesson.	Güçlü, F. (1999):General Parasitology, (i

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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:

The aim of this course is to teach the mechanisms of disease development and pathological changes occurring in organs and systems in veterinary medicine and to enable students to evaluate pathological findings by correlating them with clinical data.

Teaching Methods and Techniques:

This course covers the basic concepts of general and systemic pathology, cellular changes, inflammation, circulatory disturbances, neoplasia, and pathological diseases of organ systems. The macroscopic and microscopic findings and pathogenesis of diseases are evaluated.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Özgür Özöner

Instructors:

Asist Prof.Dr. İsan İşbilir Asist Prof. Dr. Özgür Özöner

Assistants:

Research Assist. Betül Orhan

Recommended Sources	
Textbook	: Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçvanlar Basım, Konya, 2000
Resources	: Veteriner Genel Patoloji, Prof. Dr. Hüdaverdi Erer, Prof. Dr. Metin Münir Kıran, Prof. Dr. M. Kemal Çiftçi, Bahçvanlar Basım, Konya, 2000
Documents	:
Assignments	:
Exams	:

Course Category			
Mathematics 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, liquordapedesis, cell exudation, va	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
2	exudative, alternative, proliferative, granulomatous, classification of the inflammations according to the duration	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
3	disease causes and response to infection	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
4	Necrosis	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
5	degeneration	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
6	metabolic disorders	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
7	circulatory disorders	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
8	immunopathology	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
9	cell growth disorders	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
10	cell differentiation disorders	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
11	anomalies	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
12	inclusion bodies	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
13	inclusion bodies	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
14	topic repetition	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
15	General evaluation of pathological findings	Course of the study subjects planned to Veteriner Genel Patoloji, Prof. Dr. Hüdav	Prof. Dr. Hüdav
16	Final Exam		

Course Learning Outcomes	
No	Learning Outcomes
C01	Explains the basic concepts of general and systemic pathology and disease mechanisms.
C02	Describes cellular changes, inflammation, and circulatory disturbances.
C03	Analyzes macroscopic and microscopic pathological findings.
C04	Evaluates disease processes affecting different organ systems.
C05	Performs differential diagnosis between neoplastic and non-neoplastic lesions.
C06	Interprets pathological findings by correlating them with clinical data.
C07	Develops a systematic and scientific approach in veterinary pathology.

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

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	7	7
Practice	14	2	28
Laboratory	0	0	0
Project	0	0	0
Final examination	1	7	7
Total Work Load			70
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	4	4	4	4	5	4	4	4	3	5	3	3	3	4	4	4
C01	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C02	4	4	5	4	4	4	4	5	4	4	4	3	4	3	3	3	4	4	4
C03	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C04	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C05	4	4	5	4	4	4	4	5	5	4	4	3	5	3	3	3	4	4	4
C06	4	4	5	4	4	4	4	5	4	4	4	3	5	3	3	3	4	4	4
C07	4	4	5	4	4	4	4	5	4	5	4	3	5	3	3	3	4	4	4

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:

Prof.Dr. Tekin ŞAHİN

Instructors:

Assistants:

Recommended Sources

Textbook	:	Textbooks related to the field
Resources	:	Books and articles in the related field
Documents	:	
Assignments	:	
Exams	:	

Course Category

Mathematics 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		

Course Learning Outcomes

No	Learning Outcomes
C01	Applies the diagnosis, treatment and prevention of diseases related to farm animals;
C02	Learns and practices routine operations in farm animals;
C03	Applies basic and advanced examination methods in patients brought to the small animal clinic;
C04	Learns and applies routine operations applied in small animals.;
C05	To be able to define poultry infectious diseases;
C06	To be able to define the pathological diseases of poultry;
C07	Learns the concept of food safety from farm to table;
C08	Knows and applies protection-control methods and legal regulations against zoonotic diseases;
C09	Learns the morphological and physiological characteristics of sheep and goat breeds in the world and in Turkey.
C10	Structure of cattle breeding, selection of breeding cows and bulls; learns selection in cows, breeding value, cow index, selection in bulls, selection of bull candidates, bull indexes;

Program Learning Outcomes

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

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

FACULTY OF VETERINARY MEDICINE
Veterinary Medicine

Language of Instruction:
Turkish

Course Level:
Faculty

Work Placement(s):
No

Department / Program:
Veterinary Medicine

Course Type:
Seğmeli

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:
Prof.Dr. Tekin ŞAHİN

Instructors:
Prof.Dr. Tekin ŞAHİN

Assistants:

Course Category			
Mathematics and Basic Sciences :		Education :	
Engineering :		Science :	
Engineering Design :		Health :	60
Social Sciences :	40	Field :	

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
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 development
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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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 Infectious 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 Infectious Anemia, Caprine Arthritis Encephalitis Virus, Feline Calicivirus , Torovirus of Cattle, Equine Infectious Arteritis, Scrapie, Bovine Spongiform encephalitis, Borna Disease, Bovine papillomatosis, Canine Oral Papillomatosis, Adenovirus İnfection of Cattle, Canine İnfectious Laryngotracheitis, Hepatitis Contagiosa Canis, Infectious Bovine Rhinotracheitis, Bovine Mamillitis, Coryza Gangremonosa 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, Hemagglutination - Hemagglutination inhibition test, Hemadsorbsiyon test, Complement Fikzasyon test, Agar gel presipitation test, Immunofluorescence test - Immunoperoxidase test, ELISA, Elektroforez

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	
Mathematics and Basic Sciences	: Education
Engineering	: Science
Engineering Design	: Health
Social Sciences	: Field
	: 100

Course Content			
Week	Topics	Study Materials	Materials
1	Foot and mouth disease, Bovine Viral Diarrhea-Mucosal Disease, Border Disease	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
2	Louping İll, Feline Infectious Peritonitis, Rabies, Bovine Ephemeral Fever	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
3	Parainfluenza-3 virus in cattle, Rinderpest virus, Distemper, Respiratory Syncytial Virus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
4	Equine Influenza, Akabane, Blue Tongue, African Horse Sickness	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
5	Bovine Leucosis-Sarcom Complex, Maedi-Visna, Equine Infectious Anemia	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
6	Caprine Arthritis Encephalitis Virus, Feline Calicivirus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
7	Torovirus of Cattle, Equine Infectious Arteritis, Scrapie, Bovine Spongiform encephalitis, Borna Disease	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
8	midterm		
9	Bovine papillomatosis, Canine Oral Papillomatosis, Adenovirus İnfection of Cattle	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
10	Canine Infectious Laryngotracheitis, Hepatitis Contagiosa Canis	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
11	Infectious Bovine Rhinotracheitis	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
12	Bovine Mamillitis, Coryza Gangremonosa Bovum, Caprine Herpesvirus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
13	Equine Rhinopneumonitis, Herpesvirus Canis İnfection, Feline Viral Rhinotracheitis	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
14	Parvoviral İnfection, Cow pox virus, Sheep pox virus, Goat pox virus	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL
15	Paravaccinia İnfection, Stomatitis Vesicularis, Ectyma Contagiosum	Research on the lesson.	OZEL VİROLOJİ (Prof.Dr.İbrahim BURGL

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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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

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, 6- Yemler, vem hijyeni ve teknolojisi (Düzeltilmiş 2. baskı). Erqun, A., Tuncer, D. S., Colpan, İ., Yalçın,S., Yıldız, G., Küçükarsan, K., Küçükarsan, S.

Course Category

Mathematics 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 usa

Program Learning Outcomes

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

Assessment	Quantity	Percentage
In-Term Studies		
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

[illegible]

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.

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	:	Arslan A. (2002). Et muayenesi ve et ürünleri teknolojisi Birinci Baskı, Medipress, Özkan Matbaacılık
Assignments	:	https://gidahijyeni.siirt.edu.tr/detay/vehip-1-dersi-mutlak-ogrenme-foyu/551614732.html
Exams	:	

Course Category

Mathematics 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	Antemortem examinations		Meat inspection and meat products tech
3	Postmortem examination		Meat inspection and meat products tech
4	Postmortem examinations	The students repeats to study the lessor	https://gidahijyeni.siirt.edu.tr/detay/et-r
5	Grading of meat cuts and carcasses.		Et muayenesi ve et ürünleri teknolojisi B
6	Meat cuts and carcass gradings	The students repeat the lesson "Meat in	https://www.siirt.edu.tr/admin-cp/Menu
7	Meat packaging and preservation		Et muayenesi ve et ürünleri teknolojisi B
8	Meat packaging and preservation.	Students repeat the resources of the the	https://gidahijyeni.siirt.edu.tr/detay/et-r
9	Some meat analyses: Ichterus, postmortem rigor follow-up, bloodness, putrefaction tests.	Students repeat the resources of the the	https://gidahijyeni.siirt.edu.tr/detay/et-r
10	Food Toxicology		Et muayenesi ve et ürünleri teknolojisi B
11	Determining the anatomical sources of meat.		Et muayenesi ve et ürünleri teknolojisi B
12	Histological determination of meat sources.		Et muayenesi ve et ürünleri teknolojisi B
13	Feeding of food-value animals.		Et muayenesi ve et ürünleri teknolojisi B
14	Meat animal species and their characteristics.		Et muayenesi ve et ürünleri teknolojisi B
15	Microbial diseases in food-value animals		Et muayenesi ve et ürünleri teknolojisi B
16	Viral diseases in food-value animals		Et muayenesi ve et ürünleri teknolojisi B
17	Parasitic diseases in food-value animals		Et muayenesi ve et ürünleri teknolojisi B
18	The importance of biostatistics in food processing		Et muayenesi ve et ürünleri teknolojisi B

Recommended Optional Programme Components

VET408 MEAT INSPECTION AND TECHNOLOGY

VET424 CLINICAL PRACTICE-III

VET511 PHARMACOLOGY-TOXICOLOGY

VET515 MICROBIOLOGY

VET517 PARASITOLOGY

VET519 PATHOLOGY

VET521 VIROLOGY

VET525 ANATOMY

Course Learning Outcomes

No	Learning Outcomes
C01	Learns antemortem examining and apply it.
C02	Knows postmortem examining and apply it.
C03	Knows carcass meat cuts and meat grading.
C04	Knows meat packagin and storage.
C05	Knows and makes analyzes that can be done on meat. These analyzes are rigor follow-up, pH, icterus test, putrefaction tests and bloodiness tests.
C06	Learn and apply information about Food Toxicology.
C07	Identifies and defines histologically the meats that are suitable for consumption and those that are not.
C08	Identify and learn which animal the meat from the carcass belongs to.

Program Learning Outcomes

No	Learning Outcome
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous

P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

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	18	32	576
Hours for off-the-c.r.stud	18	2	36
Assignments	18	1	18
Presentation	18	1	18
Mid-terms	0	0	0
Practice	18	6	108
Laboratory	18	6	108
Project	0	0	0
Final examination	18	2	36
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	3	5	5	3	1	4	4	5	5	4	4	4	5	5	5	5	5
C01	5	5	3	5	5	4	5	5	5	5	4	4	4	4	4	4	4	4	3
C02	3	5	3	5	5	3	5	4	4	5	4	4	4	3	4	4	4	4	3
C03	5	5	3	5	5	5	5	4	4	5	4	5	4	3	4	4	4	4	3
C04	5	5	3	5	5	5	5	4	4	5	4	5	4	3	4	4	4	4	3
C05	5	5	3	5	5	4	5	4	4	5	4	5	5	4	4	4	4	4	3
C06	5	5	3	4	5	5	5	4	4	5	4	4	3	4	4	4	4	4	4
C07	5	5	4	5	5	4	5	4	4	5	4	4	3	5	4	4	4	4	5
C08	5	5	3	5	5	3	5	4	4	5	4	4	3	5	4	4	4	4	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:

The aim of this course is to train veterinary students who can comprehensively evaluate flock health, diagnosis of infectious diseases, preventive medicine, biosafety, production management, and public health practices in the field of poultry husbandry and medicine.

Teaching Methods and Techniques:

This course includes flock management, nutrition, housing management, biosafety practices, diagnosis of bacterial, viral, fungal, and parasitic diseases, laboratory applications, necropsy, preventive medicine, vaccination programs, antimicrobial resistance, zoonotic diseases, public health, and clinical practices in the poultry industry. The course consists of both theoretical and practical training.

Prerequisites:

Course Coordinator:

Asist Prof.Dr. Songül ÖTKÜN

Instructors:

Asist Prof.Dr. Ayfer FINDIK PAKROOHAAsist Prof.Dr. Burcak ASLAN ÇELİKAsist Prof.Dr. Kübranur YILDIZ BAYHANAsist Prof.Dr. Özgür ÖZÖNERAssociate Prof.Dr. Özgül GÜLAYDINAssociate Prof.Dr. Yalçın YAMANProf.Dr. Tuncay TUFANAssociate Prof.Dr. Devran KOŞKUNAssociate Prof.Dr. Mehmet IRMAKProf.Dr. H. Turan AKKOYUNAssociate Prof.Dr. Fatma İŞBİLİRAsist Prof.Dr. Merve PEKİNCE ÖZÖNER

Assistants:

Recommended Sources	
Textbook	: Boynukara, B., Ak, S., Başaran Kahrman, B., & Adıgüzel, M. C. (Eds.). (2025). Enfeksiyöz kanatlı hayvan hastalıkları. Akademisyen Kitabevi.
Resources	: WOA. (2025). Manual of diagnostic tests and vaccines for terrestrial animals. World Organisation for Animal Health.
Documents	: Baykal Çelik, L., & Tekeli, A. (Eds.). (2025). Kanatlı hayvanlarda beslenme ile ilişkili metabolik durumlar. Akademisyen Yayınevi.
Assignments	: Kaya, S., Piringci, İ., & Bilgili, A. (2002). Veteriner hekimliğinde toksikoloji. Medisan Yayınları.
Exams	: Çakır, A., Bakıcı, C., & Batur, B. (2024). Evcil kanatlı hayvanların anatomisi. Ankara Nobel Tıp Kitabevleri.
	Günlü, A. (2023). Hayvan sağlığı ekonomisi (1. bs.). Akademisyen Yayınevi.

Course Category	
Mathmatics and Basic Sciences	Education
Engineering	Science
Engineering Design	Health
Social Sciences	Field
	: 100

Course Content			
Week	Topics	Study Materials	Materials
1	Biosafety rules in the microbiology laboratory, laboratory organization, quality management systems, operating principles	Review of biosafety levels, sterilization	nBoynukara, B., Ak, S., Başaran Kahrma
2	Bacterial inoculation methods, culture techniques, principles of microbial isolation and identification, evaluation of routine	Review of bacterial culture methods, bio	Boynukara, B., Ak, S., Başaran Kahrma
3	Nutrient requirements in poultry, energy and protein metabolism, characteristics of feed ingredients, principles of ration	Review of poultry nutrient requirements	Baykal Celik, L., & Tekeli, A. (Eds.). (20
4	Types of poultry production systems, housing systems, environmental control, ventilation systems, temperature and humid	Review of poultry housing systems, venti	Baykal Celik, L., & Tekeli, A. (Eds.). (20
5	Flock management in poultry production, housing systems, ventilation and environmental control, litter management, light	Review of poultry production systems, fi	Gillespie, J. R. (2004). Modern livestock
6	Flock health management in poultry diseases, preventive medicine practices, general evaluation of biosafety programs, int	Review of preventive medicine practices	Tekeli, A. (Eds.). (2025). Kanatlı hayvan
7	Antimicrobial drugs used in poultry diseases, pharmacokinetic and pharmacodynamic principles, rational drug use, antimic	Review of antimicrobial drug groups use	Kaya, S., Piringci, I., & Bilgili, A. (2002).
8	Vaccination programs in poultry, storage of biological products, usage areas of disinfectants and antiseptics, preventive	Review of poultry vaccination programs,	Kaya, S., Piringci, I., & Bilgili, A. (2002).
9	Major viral infections in poultry, Avian influenza, Newcastle disease, Infectious Bronchitis, Gumboro disease, Marek's disea	Review of transmission routes of poultry	Boynukara, B., Ak, S., Başaran Kahrma
10	Diagnostic methods used in molecular virology, PCR and RT-PCR applications, serological diagnostic methods, rapid diagno	Review of PCR techniques, serological di	Boynukara, B., Ak, S., Başaran Kahrma
11	Major parasitic diseases in poultry, coccidiosis, helminth infections, ectoparasites, epidemiology of parasitic diseases, trans	Review of poultry parasite life cycles, co	Boynukara, B., Ak, S., Başaran Kahrma
12	Physiological mechanisms in poultry, physiology of the digestive system, functions of the respiratory system and air sacs, c	Review of basic physiological mechanisn	Whittow, G. C. (2000). Sturkie's avian pl
13	Food safety in poultry products, zoonotic infections, Salmonella and Campylobacter infections, slaughterhouse hygiene, co	Review of food safety criteria in poultry	Boynukara, B., Ak, S., Başaran Kahrma
14	Examination of basic histological structures in poultry, microscopic characteristics of epithelial, connective, muscular, and	Review of basic histological tissue types	Figueiredo, M. L., & Turek, J. J. (Eds.). (
15	Genetic variations in poultry, principles of inheritance, selection methods, genetic basis of productivity traits, breeder sele	Review of inheritance principles, selecti	Gillespie, J. R. (2004). Modern livestock
16	Economic management in poultry farms, economic importance of flock health practices, cost analysis of biosafety investm	Review of economic efficiency in poultry	Günlü, A. (2023). Hayvan sağlığı ekonor
17	Anatomical structures in poultry, anatomy of digestive, respiratory, and urogenital systems, basic principles of poultry phys	Review of basic information related to p	Çakır, A., Bakıcı, C., & Batur, B. (2024).
18	Necropsy techniques in poultry diseases, systematic necropsy applications, evaluation of macroscopic and microscopic lesi	Review of poultry necropsy techniques,	Boynukara, B., Ak, S., Başaran Kahrma

Course Learning Outcomes	
No	Learning Outcomes
C01	Evaluates the etiology, epidemiology, clinical findings, and laboratory diagnostic methods of poultry diseases.
C02	Applies laboratory diagnostic methods in poultry diseases.
C03	Plans biosafety practices in poultry farms.
C04	Organizes poultry vaccination programs and vaccination methods.
C05	Analyzes hatchery health management practices.

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

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	16	288
Hours for off-the-c.r.stud	18	18	324
Assignments	0	0	0
Presentation	0	0	0
Mid-terms	0	0	0
Practice	18	16	288
Laboratory	0	0	0
Project	0	0	0
Final examination	1	0	0
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	4	5	4	4	4	5	3	4	3	3	4	5	5	4	3	4	5	5
C01	5	3	5	4	4	4	4	3	3	3	3	5	5	5	3	2	3	4	5
C02	3	3	5	5	4	3	5	3	4	3	4	5	5	4	4	2	4	5	5
C03	3	3	4	4	4	4	5	3	4	4	3	3	4	5	4	4	4	3	4
C04	3	4	4	3	4	3	5	3	4	3	3	3	4	5	4	2	3	3	4
C05	3	3	4	4	4	4	5	3	4	3	3	3	4	4	4	2	3	3	4

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

Mathematics 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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
P13	In terms of various animal diseases, examination, diagnosis and treatment options knows, located in the assessment and perform applications
P09	Animal diseases, treatment methods, gain knowledge about the economic aspects of breeding and feeding techniques and evaluation is found in
P03	The causes of animal diseases, formation, on the diagnosis and treatment will have theoretical and practical knowledge
P02	Contains up to date information in the field of textbooks, magazines and follow the web site
P01	Understand the relationships between concepts and concepts related to the field
P16	Animals found in productivity-enhancing activities; makes breeding studies with artificial ways
P18	The diagnosis of diseases in order to take samples from the animals to their corresponding place duly evaluates the results
P15	Preventive medicine knows what should be done in the context of public health and food safety issues and make disclosures in this regard
P12	All surgical interventions in the field of scientific methods and meticulous
P11	Medicine understand the theoretical knowledge about the ethical and adhere to ethical professional life
P08	In animal breeding and feeding areas will have theoretical and practical knowledge
P07	Animal diseases, zoonoses and food-borne diseases theoretical knowledge and learning practices and uses
P06	Fight against animal diseases and prevention methods, sending and receiving infected material, autopsy techniques comprehend issues, including theoretical and practical issues
P05	Production technology of animal products, food safety and public health issues will have theoretical and practical knowledge
P10	Understand the national and international legislation about the area
P14	Knows the methods of combating animal diseases, vaccination programs are organized for all animals
P19	Knows, applies and interprets laboratory analyzes in basic animal diseases.

Assessment			ECTS Allocated Based on Student Workload			
In-Term Studies	Quantity	Percentage	Activities	Quantity	Duration	Total Work Load
Mid-terms	1	%40	Course Duration	0	0	0
Quizzes	0	%0	Hours for off-the-c.r.stud	0	0	0
Assignment	0	%0	Assignments	1	30	30
Attendance	0	%0	Presentation	0	0	0
Practice	0	%0	Mid-terms	0	0	0
Project	0	%0	Practice	3	20	60
Final examination	1	%60	Laboratory	0	0	0
Total		%100	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
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
P17	Knows basic food analysis methods, taking samples, analysis and evaluate reports
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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

