



College of Veterinary Medicine

Salahaddin University–Erbil

Subject: (Veterinary Anatomy2)

Course Book – First Class

Lecturer's Name: - Nazhad H. Qader (PhD)- Theory

Rozh S. Muhammad (MSc) – Practical

Academic Year: 2023/2024

Course Book

1. Course name	Veterinary Anatomy
2. Lecturer in charge	Dr. Nazhad Hussein Qader
3. Department/ College	College of Veterinary Medicine
4. Contact	e-mail: Tel: (07504703832)
5. Time (in hours) per week	Theory: 2 Practical: 2
6. Office hours	Available all days during the week
7. Course code	
8. Teacher's academic profile	B.ch. In veterinary medicine (1993) M.Sc. In Veterinary Surgery (2001) PhD. In Veterinary Surgery (2009)
9. Keywords	Veterinary Anatomy
10. Course overview:	
<p>The Anatomy course relates the structure and development of mammalian body form to its function. The course is based around the comparative anatomy of the principal domestic species, and adopts a topographical and systematic approach. Gross anatomy practical's are based around the dissection of the horse and ruminant species. Examples of material from other species are also provided. Histology practical's cover the microscopic structure of cells and tissues. These are also structured around the major body systems.</p> <p>These are also structured around the major body systems.</p> <p>In this course, it comprises 3 basis: -</p> <ol style="list-style-type: none"> 1. Introduction: Definition, importance, classification of anatomy, topographic and descriptive terms. 2. Osteology: Skeleton, structure, composition and classification of bones of domestic animals and birds. 3. Arthrology: Definition and classification of joints, characteristics of a typical joint and its associated structures of domestic animals and birds. 4. Myology: Muscles of the different regions of the body of domestic animals and birds. 5. Angiology: Organs of circulation of domestic animals and birds. 	
11. Course overview:	
<p>Demonstration and explanation of Osteology: Classification, physical and chemical compositions of bone. Skeleton: Main divisions and identification of all the bones forming the hard framework. Syndesmology: classification, anatomical, physiological and combined foregoing considerations to recognize all the joints of the body.</p> <p>Myology: Pattern of muscle development. Dissection and demonstration of muscles of head. Muscles of dorsolateral and ventrolateral cervical region. Muscles of thorax, trunk,</p>	

abdomen, tail and limbs (fore and hind). Splanchnology: Demonstration of the various organs of different systems in the cranial, oral, thoracic, abdominal and pelvic cavities: their arteries, veins, lymph glands and nerves. Brain, spinal cord and meninges.

12. Student's obligation

The students should be obligated attendance and completion of all tests, exams, quizzes, assignments, reports, essays...etc.

13. Forms of teaching

- 1- PowerPoint.
- 2- Whiteboard.
- 3- Pictures.
- 4- video

14. Assessment scheme

❖ Examinations:-

- ✓ 1st exam. After 5 lectures
- ✓ 2nd exam. After 10 lectures

Mark Distribution

Monthly Exam 50 % (Theoretical 15% (5% quiz) + Practical 35%)

Final Exam 50% (Theoretical 50%) = Final

Mark 100%.

15. Student learning outcome:

After studying this unit you should know:

1. The various organs of the body.
2. The position of the main organs within the body.
3. The structure of the body systems.
4. How the systems work.

16. Course Reading List and References:

1. Sisson and Grossman's The Anatomy of the Domestic Animals, Robert Getty, (1975). Vol. 1 & 2, 5th edition, W.B. Saunders Company Philadelphia, London, Toronto.
2. Bovine Anatomy, McLeod, W.M. (1964). 2nd edition, Burger publishing Company.
3. The Anatomy of Sheep, Neil D.S. May. (1977). 3rd edition, University of Queensland Press, Sydney.

4. A guide to Regional Ruminant Anatomy Based on the Dissection of the Goat Gheorgh M. Constantinescu, Iowa State, University Press/Ames.
5. Anatomy and Physiology of Farm Animals, R.D. Frandson, T.L. Spurgeon, (1992). 5th edition, Lippincott Williams and Wilkins Company, Philadelphia, London.
6. Form and function in birds, King, A.S. and McLelland, J., Academic Press, London.
7. Sturkie's Avian Physiology, Whittow, G.G. (2000). 5th edition, Academic Press, London.
8. Anatomy and Physiology of Farm Animals; R.D. Frandson / T.L. Spurgeon; 5th edition; Lea & Febiger; Philadelphia .

17. The Topics:

Weekly Lectures schedule (Theory)			
	weeks	Subjects	
1	1st week	Introduction to Myology	
2	2nd week	Types of Muscle Tissue	
3	3rd week	Skeletal Muscle Shapes	
4	4th week	Accessory structure of muscles	
5	5th week	<u>Midterm examination</u>	
6	6th week	Muscles of the Abdomen	
7	7th week	Muscles of the Forelimb	
8	8th week	Muscles of the Forelimb	
9	9th week	Vasculature of the Forelimb	
10	10th week	Lymphatics of the Fore limb	
11	11th week	Muscles of the Hind Limb	
12	12th week	Muscles of the Hind Limb	
13	13th week	Vasculature of the Hind Limb	
14	14th week	Lymphatics of Hind Limb	
15	15th week	<u>Final Examination</u>	

Weekly Lectures schedule (Practical)			
	<i>weeks</i>	<i>Subjects</i>	
1	1st week	Muscles of the Lips and cheeks	
2	2nd week	Muscles of the Nostrils , Muscles of the Eyelids	
3	3rd week	Mandibular Muscles, Muscles of the Hyoid	
4	4th week	Muscles of the Neck	
5	5th week	Muscles of the Back and loins, Muscles of the Tail	
6	6th week	Midterm examination	
7	7th week	Muscles of the Thorax, Diaphragm	
8	8th week	Muscles of the Abdomen	
9	9th week	Muscles of the Forelimb	
10	10th week	Muscles of the Forelimb	
11	11th week	Vasculature of the Forelimb, Lymphatics of the Fore limb	
12	12th week	Muscles of the Hind Limb	
13	13th week	Muscles of the Hind Limb	
14	14th week	Vasculature of the Hind Limb, Lymphatic of the Hind Limb	
15	15th week	Final Examination	

18. Examinations:

19. Peer review

پیداچونہوہی ھاوہل

This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section.

(A peer is person who has enough knowledge about the subject you are teaching; he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject).