College of Veterinary Medicine

Salahaddin University–Erbil

Subject: (Veterinary Anatomy)

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:

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.

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In this course, it comprises 3 basis: -

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:

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.

Myology: Pattern of muscle development. Dissection and demonstration of muscles of head. Muscles of dorsolateral and ventrolateral cervical region. Muscles of thorax, trunk,

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, 5 edition, W.B. Saunders Company Philadelphia, London, Toronto.
2. Bovine Anatomy, McLeod, W.M. (1964). 2 edition, Burger publishing Company.
3. The Anatomy of Sheep, Neil D.S. May. (1977). 3 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). 5 edition, Academic Press, London.
8. Anatomy and Physio logy of Farm Animals; R.D. Frandson / T.L. Spurgeon; 5th edition;Lea & Febiger; Philedelphia .

17. The Topics:

Weekly Lectures schedule (Theory)

	weeks	***Subjects***	
1	**1st week**	Identify terms of direction Anatomy	
2	**2nd week**	Describe animal Anatomy	
3	**3rd week**	Recognize Anatomical parts	
4	**4th week**	Identify skeletal Anatomy	
5	**5th week**	Name the skeletal bones	
6	**6th week**	Classify bones	
7	**7th week**	Midterm examination.	
8	**8th week**	Identify the axial skeleton	
9	**9th week**	Identify the appendicular skeleton	
10	**10th week**	Classify joints	
11	**11th week**	Define types of muscular tissue Identify skeletal muscles	
12	**12th week**	Identify front limb muscles	
13	**13th week**	Identify hind limb muscles	
14	**14th week**	Identify neck and head muscles	
15	**15th week**	Final Examination	

Weekly Lectures schedule (Practical)			
	weeks	***Subjects***	
1	**1st week**	Introduction to Anatomy	
2	**2nd week**	Terminology	
3	**3rd week**	Recognize Anatomical parts	
4	**4th week**	Identify skeletal Anatomy	
5	**5th week**	Name the skeletal bones	
6	**6th week**	Classify bones	
7	**7th week**	Midterm examination.	
8	**8th week**	Identify the axial skeleton	
9	**9th week**	Identify the appendicular skeleton	
10	**10th week**	Classify joints	
11	**11th week**	Define types of muscular tissue Identify skeletal muscles	
12	**12th week**	Identify front limb muscles	
13	**13th week**	Identify hind limb muscles	
14	**14th week**	Identify neck and head muscles	
15	**15th week**	Final Examination	

18. Examinations:
19. Peer review **پێداچوونەوەی هاوەڵ** 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).*