



College of Veterinary Medicine

University of Salahaddin–Erbil

Subject: (Animal husbandry & management)

Course Book – First Class

Lecturer's name: - Khalid J. Aziz (PhD)- Theory

Ekhlas S. Sleem (MSc) – Practical

Jenan N. Abdulrahamn (MSc) – Practical

Academic Year: 2022/2023

Course Book

1. Course name	Animal Husbandry & Management
2. Lecturer in charge	Dr. Khalid Jabar Aziz
3. Department/ College	College of Veterinary Medicine
4. Contact	e-mail: Tel: (07504524256)
5. Time (in hours) per week	For example 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 (2003) M.Sc. In infectious disease (2007) PhD. In Molecular parasitology
9. Keywords	Animal Husbandry & Management.
10. Course overview:	
<p>This lessons are designed to be an introductory lesson that will cover the husbandry and management of animal including: Importance of livestock in agriculture, economy livestock population, Different breeds of livestock such as, Cattle, Sheep, Goat and Horses. Types of housing and sanitation of livestock, different types of animal farming. Rearing of new born animals, and how to manage of pregnant animals.</p> <p>Also, we discuss the principles of animal nutrition, different feeding systems in domestic animals.</p> <p>The practical lessons are designed to learn about external body parts of cattle, buffalo, sheep, goat, dog, cat and horses. Handling and restraining of different farm and pet animals. Identification methods of farm animals. Visit to different farm animals and horse breeding farms to study breeds of livestock and daily routine farm operations and farm records. Layout of housing for different types of livestock. Methods of drug administration including vaccination.</p>	
11. Course objective:	
<ul style="list-style-type: none"> • Students to be able to identify the different parts of animal region. • Students to be able to assess age of different animal species. • Students to be able to handling and restraining of different animals. • Methods of administration of drugs in mass treatment, and vaccination. • The student learned about identification, estimate age of different animals, and know the methods for collecting samples such as blood, faecal, urine and others, 	
12. Student's obligation	
<p>The students should be obligated attendance and completion of all tests, exams, quizzes, assignments, reports, essays...etc.</p>	
13. Forms of teaching	
<p>1- PowerPoint.</p>	

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:

- Students to be able to assess symptoms and characteristics of unhealthy animals.
- Students to be able to identification of determinants/Risk Factors.
- Students to be able to assess age of different animal species.
- Students to be able to handling and restraining of different animals.
- Students to be able to managing the animal field in best hygienic methods to prevent disease outbreak and able to administration drugs and vaccines.

16. Course Reading List and References:

1. Blood, C.D and Radostits, M.O (1989). Veterinary medicine. 7th edition.
2. Buncic S. (2006). Integrated food safety and veterinary public health, 1st edition, Cromwell Press, Trowbridge.
3. Mc Donald P.; Edwards R.A.; Greenhalgh C.A. Animal Nutrition (2010) 7th edition
4. Aubrey.Mand Martin.S..D 6th edition (2012): An introduction to animal behavior.
5. Baret.Adkins ; (2017): Animal behavior
6. Chris Barnard; 1st edition (2004): Animal behaviour.
7. Grist A. poultry inspection (2006). 2nd edition Nottingham. University press.
8. The Merck Veterinary Manual (2010). Tenth edition. RAHWA Y.N.J. USA.
9. Banerjee. C.G. Textbook of Animal Husbandry (2010), 8th edition.
10. Udeybir Singh Chahal; Handbook of General Animal Nutrition (2008) 1st edition

17. The Topics:

Weekly Lectures schedule (Theory)			
	<i>weeks</i>	<i>subjects</i>	
1	1st week	Introduction of animal husbandry Definition of animal husbandry terms , domestication & animal husbandry, zoological classification of common domestic animals	
2	2nd week	Introduction to dairy breeds, dairy farm and reproductive cycle.	
3	3rd week	Introduction cattle terminology, beef cattle breed and production.	
4	4th week	Different sheep breeds, sheep management systems, health and unhealthy sheep symptoms, general management	
5	5th week	Different goat breeds, handling of goat, and flock identification.	
6	6th week	Visit to animal farms	
7	7th week	Midterm examination.	
8	8th week	Equine breed and management, identification of horse, horse breed, vice of horse and restrain.	
9	9th week	Definition of behaviour and understanding of animal behaviour.	
10	10th week	Hormones and its relationship with animal behaviours.	
11	11th week	Visit to animal farms.	
12	12th week	Pet behaviour (habituation, observational learning) Social animal behaviour.	
13	13th week	Aggression environmental and control off aggression in animals.	
14	14th week	Reproductive behaviour in different species of animal.	
15	15th week	Visit to animal farms.	

Weekly Lectures schedule (Practical)		
	<i>weeks</i>	<i>Subjects</i>
1	1st week	Introduction to animal husbandry and veterinary medicine, animal body parts.
2	2nd week	Restraint of animals
3	3rd week	Instruments, tools and equipment use during animal husbandry procedures
4	4th week	Types of drug and routes of drug administration.
5	5th week	Visit to animal farms
6	6th week	Vaccination and routs vaccination
7	7th week	Collecting the sample from the animals
8	8th week	Livestock housing and management such as cow, sheep and goat.
9	9th week	General clinical examination of animals (domestic animals).
10	10th week	Common diseases in livestock
11	11th week	Equine housing and management such as horse. The common diseases in horse.
12	12th week	Animal welfare, methods of measuring and estimating of animal welfare
13	13th week	Abnormal behaviour during painful husbandry procedures
14	14th week	General idea on some wild animals and zoo management
15	15th week	(Visit to Erbil zoo)

18. Examinations:

Q/Numerate the main clinical signs of the following diseases: -

1:Routs of control of brucellosis

- 1) Regular testing of animals.
- 2) Restriction of movement of animals and personnel between herds.
- 3) Purchase of animals with known health and reproductive records.
- 4) Pasteurization of milk.
- 5) Vaccination with a live attenuated

If used in pregnant does and ewes.

- a) a) It is recommended that kid and lambs should be vaccinated at 3-8 months
- b) b) Adults should be vaccinated 2 months before breeding.

2: Coetaneous form ("farcy") of glanders disease.

- 1) Nodules appear along the course of the lymph vessels.
- 2) These nodules degenerate and form ulcers that discharge highly infectious, sticky pus.
- 3) The liver and spleen also may show typical nodular lesions.

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).