



South Valley University
Faculty of Veterinary Medicine, Qena

Course Specifications

Programme (s) on which the course is given: *Bachelor of veterinary science undergraduate (BVSc)*

Major element of programmes: *Veterinary Science*
Department offering the programme: *Faculty of Veterinary Medicine*
Department offering the course: *Animal Medicine*
Academic year / Level: *5th year*
Date of specification approval:

A- Basic Information

Title: *Internal Medicine (Wild animal medicine)*
Code: *523*
Lecture: *2 hrs / weekly / Semester*
Practical: *2 hrs / weekly/ Semester*
Total: *4 hrs / weekly/ Semester*

B- Professional Information

1 – Overall Aims of Course

- Knowledge of taxonomy, handling and restraint of wild animal.
- Causes, Pathogenesis, Symptoms, diagnosis clinically, laboratory, Treatment and control of these diseases in wild animal species in wild and captive states.
- Ecology and Conservation, Euthanasia.

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

Graduates must acquire the basic knowledge and understanding about:-

- a1- Taxonomy of animal kingdom.
- a2- Handling and restraint.
- a3-Diagnosis and Treatment of diseased animals in captivity.
- a4-Prevention and control of diseases in Wild and Captive States and euthanasia.
- a5-Ecology , Conservations, animal movements and migration.

b- Intellectual Skills

Graduates must have the ability for:

- b1- classification and Identification of different members of animal kingdom.
- b2- handling of different member of animal kingdom.
- b3- diagnosis of wild diseases.
- b4- treatment and chose the correct drugs.

b5- Prevention and control of diseases in Wild and Captive States and euthanasia.

b6- Ecology and Conservations, animal movements and migration.

c- Professional and Practical Skills

Graduates must attain the capacity to:-

c1- know and classify the members of animal kingdom.

c2- handle the wild animal and examine for diagnosis.

c3- Work in the zoo.

c4- Work in Natural Conservation.

c5- control the outbreak of wild animal diseases to prevent infections to human beings.

c6-Use euthanasia.

d- General and Transferable Skills

Graduates must have the ability for:-

d1-Identification and classification of wild animals.

d2-Handling and treatment of diseased wild animal either in wildness or in captivity.

d3-Good keeping of the Natural Conservation and Ecology.

d4- Euthanasia.

3- Contents

Theoretical (Lectures)

Topic	No. of hours	Lecture
Conservation veterinary medicine and Ecology.	2	1
Taxonomy and classification of the Animal Kingdom.	2	1
Methods of Restraint of the wild animal for medical examination.	2	1
Reptile and Amphibian Medicine.	2	1
Aquatic animal medicine.	2	1
Wild Canine medicine.	2	1
Diseases of wild Ruminants and Ungulates.	2	1
Diseases of wild Equines.	2	1
Diseases of Elephants and Giraffes.	2	1
Diseases of Primates.	2	1
Exotic Companion Animal Medicine.	2	1
Rodent and Small Mammal and lab animal Medicine	2	1

Practical (Lesson)

Topic	No. of hours	Lesson
Conservation veterinary medicine and Euthanasia. (Film) + museum	2	1
Taxonomy and classification of the Animal Kingdom. (Film) + museum	2	1
Methods of Restraint of the wild animal for medical examination.(Film)+ museum	2	1
Reptile and Amphibian Medicine. (Film) + museum	2	1
Aquatic animal medicine. (Film) + museum	2	1
Wild Canine medicine. (Film) + museum	2	1
Diseases of wild Ruminants and Ungulates. (Film) + museum	2	1
Diseases of wild Equines. (Film) + museum	2	1
Diseases of Elephants and Giraffes. (Film) + museum	2	1
Diseases of Primates. (Film) + museum	2	1
Exotic Companion Animal Medicine. (Film) + museum	2	1



Rodent and Small Mammal and lab animal Medicine. (Film) + museum	2	1
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4– Teaching and Learning Methods

- 4.1-Data show and slide show .
- 4.2-Black board and chalk.
- 4.3-Hand examination method
- 4.4- Tools (used in medical exam)

5- Student Assessment Methods

- 5.1 Mid-Term examination to assess the intended learning outcomes in half of the semester
- 5.2 Practical examination to assess intended learning and practical skills outcomes
- 5.3 Final-term Examination to assess the intended learning outcomes in whole semester
- 5.4 Oral examination to assess the intended learning and skills outcomes in whole subject and related veterinary science.

Assessment Schedule:

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|---------------------------------------|--|
| Assessment 1: Mid-Term examination. | Week (8 th week of the semester) |
| Assessment 2: Practical examination. | Week (13 th week of the semester) |
| Assessment 3: Final-term Examination. | Week (16 th week of the semester) |
| Assessment 4: Oral examination. | Week (15 th week of the semester) |

Weighting of Assessments:

Semester Work	20 %	(Mid-Term Examination 10%, other types of Assessment 10%)
Final-term Examination	50 %	
Oral Examination.	10 %	
Practical Examination	20 %	
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Total	100%	

Any formative only assessments

- ❖ Other types of assessment (Case report & seminars, essays, and making posters)

6- List of References

6.1- Course Notes

- i. Hand out of the lectures and ppt and CDs direct to the students

6.2- Essential Books (Text Books)

- Large Animal Internal Medicine, Timothy, H. Oglivie, Williams & Wilkins (1998).
- Small Animal Internal Medicine, Darcy, Show and Sherri Ihle, Williams & Wilkins (1997).

6.3- Recommended Books

In our Faculty Library:

1. Wild animal Medicine, Joshi, B.P.
2. General Zoology: laboratory guide, Charles F. Lytle.
3. Concepts in Zoology, Harris, C. Leon
4. Veterinary applied pharmacology and therapeutics, Brander, G.C.
5. The living world, Johnson, George B.
6. Animal physiology: Adaptation and Environment, Knut Schmidt-Nielsen.
7. Ferrets, rabbits and rodents.
8. Anesthesia and analgesia in laboratory animals.
9. Pollution in livestock production systems. I. Ap Dewi
10. Conservation genetics.
11. Atlas of diagnostic radiology of exotic pets.

6.4- Periodicals, Web Sites, ... etc

1. Clinical Diagnosis - The Merck Veterinary Manual
2. KSUCVM - KS State Veterinary Diagnostic Lab - Rabies Lab
3. clinical Pathology/Laboratory Diagnosis
4. Clinical and Laboratory Techniques
5. Veterinary Clinical Pathology: An International Journal of ...
6. Veterinary Diagnostic Laboratory
7. Clinical Lab Accreditation Tools

7- Facilities Required for Teaching and Learning

- ❖ The wild animal medicine course is very compressed and crowded and the time is not enough for the scientific subjects.
- ❖ It should be given in 2 semesters (not in one semester) in total Lecture hrs 2 and practical hrs 2 (in each semester) to reach the National Academic Reference Standard (NARS) in the other Veterinary Faculties in Egypt.
- Isolated sanitary room
- Fixed data show system in the Lecture hall and lessons room.
- Ultra-sonography,
- Endoscopy
- X-ray
- Tools for animal restraint

Date: / /

Course Coordinator:

Head of Department:

Ass. /Mohamed Abdalla

Prof. Dr. M. Nour. Ismail