



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: *5<sup>th</sup> 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
--	---	---

#### 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:

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