



## Course Specifications:

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

**Major or Minor element of programmes:** Major

**Department offering the programme:** Anesthesiology, Radiology and Surgery Department.

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**Academic year / Level:** 5<sup>th</sup> Year (second Semester)

**Date of specification approval:** 22-12-2009

## A- Basic Information:

**Title:** Special Surgery (2<sup>nd</sup> part)

**Code:** 521

**Lecture:** 2 hour/ week

**Practical:** 4 hours/ week

**Total:** 6 hours/ week

## B- Professional Information:

### 1 – Attributes of the graduates of Veterinary Medicine

The graduate must be able to:

- 1.1. Be committed to continuous enhancement, coping with the most recent effective and efficient performance standards of the veterinary profession, and gaining community confidence.
- 1.2 Diagnose any surgical affections through radiological examination .
- 1.3. Perform different methods for reaching diagnosis of lameness
- 1.4. Know various types of lameness
- 1.5. Be informed about treatment of different affections of the limbs either fore or hind limbs.
- 1.6. Know common affections which cause lameness in different animals.
- 1.7. Determine prognosis of the different surgical affections.

### 2– Intended Learning Outcomes of Course (ILOs)

#### 2. A. Knowledge and Understanding:

Graduates must acquire the following knowledge and understanding

2. A.1. Definition, causes, clinical signs, forms, types, prognosis and treatment of the affections in different animals.
2. A.2. Anatomy of the limbs, hoof of different animal species.

#### 2. B. Intellectual Skills:

Graduates must have the ability to:

2. B.1. Choose the suitable methods for diagnosis of lameness .

- 2. B.2. Deal with clinical cases and to know differential diagnosis between surgical affections causing lameness.
- 2. B.3. Know the suitable surgical maneuver for each disease.

## **2. C. Professional and Practical Skills:**

Graduates must attain the capacity to:

- 2. C.1. Select the suitable method of diagnosis of the affections.
- 2. C.2. Select the suitable anesthetic regimen for particular operation.
- 2. C.3. Choose the suitable treatment for each case according to the circumstances and available materials.

## **2. D. General and Transferable Skills:**

Graduates must have the ability to:

- 2. D.1. Work under pressure and / or contradictory conditions.
- 2. D.2. Work in a team group.
- 2. D.3. Write a full scientific report of case study.
- 2. D.4. Follow up of cases postoperatively using printable sheets.
- 2. D.5. Use computer and internet to extract information and knowledge.

## **3- Contents:**

### **A -Lectures:-**

<b>Topic</b>	<b>No. of hours</b>
Diagnosis of Lameness	2
Affections of the fore limb	2
Affections of the fore limb	2
Affections of the hind limb	2
Affections of the hind limb	2
Hoof affections	2
Claw affections	2
Laminitis	2
Structure X-ray machine	2
Hazards of X-ray	2
Plane Radiography	2
Contrast Radiography	2
<b>Total</b>	<b>24</b>

### **B- Practical:**

Topics	No. of hours
Neurectomies of the forelimbs	4
Neurectomies of the hindlimbs	4
Medial pattelar desmotomy	4
Cuneantenectomy	4
Tenetomy of the flexor tendons	4
Digit amputation	4
Revision	4
Radiology	4
Radiology	4
Radiology	4
Radiology	4
Revision	4
Total	48

#### 4. Teaching and Learning Methods:

- 4.1. Lectures.
- 4.2. Practical sessions to gain practical skills.
- 4.3. Discussion.
- 4.4. Using experimental animals.
- 4.5. Field trips to treat sick animals in villages.

#### 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 exam. Week(8<sup>th</sup> week of the semester).
- Assessment 2: Practical exam. Week(13<sup>th</sup> week of the semester).
- Assessment 3: Final-term exam. Week(14<sup>th</sup> week of the semester).
- Assessment 4: Oral exam. Week(15<sup>th</sup> week of the semester).

#### Weighting of Assessments

Mid-Term Examination	20%
Final-term Examination	50%
Oral Examination.	20%
Practical Examination	10%
Semester Work	%
Other types of assessment	%
Total	100%

Any formative only assessments

## **6- List of References:**

### **6.1- Course Notes**

-Department course of veterinary lameness and radiology.

### **6.2- Essential Books (Text Books)**

Equine Lameness.

### **6.3- Recommended Books**

6.3.1. Manual of Equine field surgery

6.3.2. Atlas of orthopedic surgical procedures of the dog and cat.

6.3.3. Textbook of veterinary diagnostic radiology.

### **6.4- Periodicals, Web Sites ... etc**

6.4.1. Veterinary surgery8m.com

6.4.2. Veterinary videos.com

## **7- Facilities Required for Teaching and Learning:**

7. 1. Appropriate teaching accommodation like teaching rooms.

7. 2. Teaching aids like overhead projectors, scientific posters.

7. 3. Well prepared laboratory include whiteboard, surgical tables.

7. 4. Experimental animals.

7. 5. Computers and data show for presentation of lectures and viewing clinical videos for different surgical affections.

## **Course Coordinator:**

**Assist. Prof. /Abd El Nasr Azab**

Date: 22 /5 / 2010