



**South Valley University.**

**Faculty of Veterinary Medicine.**

**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:** Radiology, Anesthesiology and Surgery Department.

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**Academic year / Level:** 5<sup>th</sup> year (first semester)

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

**A- Basic Information:**

**Title: Regional Surgery (1<sup>st</sup> part)**

**Code: 511**

**Lecture: 2hrs/week.**

**Practical: 3hrs/ week**

**Total: 5hrs/week.**

**B- Professional Information:**

**1 – Overall Aims of Course**

The graduate after finishing the course will have:

1 -Knowledge about different surgical affections in different body systems in different animals and its treatment either conservative, manipulative and surgical treatment.

2 -Knowledge about different surgical operations for different animals for treatment the surgical affections.

3 -Knowledge about pre-operative and postoperative care for any surgical operations.

**2 – Intended Learning Outcomes of Course (ILOs):**

a- Knowledge and Understanding:

The graduate must acquire the basic knowledge and understanding about:-

a1- Taking case history, clinical signs and radiographic examination which aid in correct diagnosis of any surgical affections.

a2- Using type of anesthesia which suitable for surgical operations.

a3- Pre-operative and post-operative care for the surgical operations.

## b- Intellectual Skills

The graduate must have the ability to:-

- B1- Deal with etiology of the prevalent surgical affections among farm animal species and the required precautions for its prevention.
- b2- Deal with management of surgical complications and events encountered during surgical procedures and post operation.
- b3- Evaluate the outcome of the surgery regarding to the cost/benefit ratio.

## c- Professional and Practical Skills

The graduate must attain the capacity to:-

- c1- Diagnose surgical affections.
- c2- Perform different types of anesthesia which suitable for the different surgical affections.
- c3- Perform different techniques for surgical operations and site of incision and position according to type of animal.
- c4- Calculate of the accurate dose from anesthetic drugs according to weight of animal.

## d- General and Transferable Skills

The graduate must have the ability to:-

- d1- Work in a team group.
- d2- Collect of data about different surgical affections and its treatment from the internet and journal.
- d3- Collect of the videos through websites which show for students clinical symptoms on animals of different surgical affections and the surgical operations.

## 3- Contents:

-Lectures:

Topic	No. of hours
Affections of digestive system	2
Affections of digestive system	2
Affections of digestive system	2
Affections of urogenital system	2
Affections of urogenital system	2
Affections of respiratory system	2
Affections of respiratory system	2
Udder and teat affections	2
Ophthalmology	2
Ophthalmology	2
Ophthalmology	2
Miscellaneous conditions	2
Total	24

Topic	No. of hours
Oesophagotomy	3
Rumenotomy	3
Ophtalmic operations	3
Castrations	3
Castrations and urethrotomy in small animals	3
Urethrotomy and urethostomy in small ruminants	3
Abdominal surgery in small animals	3
Tracheostomy in large animals	3
Trephination in large animals	3
Laryngealventriculectomy	3
Amputation of the udder in small ruminants	3
Revision	3
Total	36

#### **4– Teaching and Learning Methods:**

- 4.1- Lecturing.
- 4.2- Practical sessions to gain practical skills.
- 4.3- Discussion.
- 4.4- Using experimental animals to perform surgical operations.

#### **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 (17<sup>th</sup> week of the semester)

Assessment 4: Oral exam. Week (17<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	----%
<u>Other types of assessment</u>	<u>---- %</u>
Total	100%

Any formative only assessments

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

6.1- Course Notes

Department course of veterinary surgery.

6.2- Essential Books (Text Books)

None

6.3- Recommended Books

Current techniques of veterinary surgery in small animals.

Bovine ruminant surgery.

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**

-Appropriate teaching accommodation like teaching rooms.

-Teaching aids like overhead projectors, scientific posters.

-Well prepared laboratory include whiteboard, surgical tables.

-Experimental animals.

-Computers and data show for presentation of lectures and viewing clinical videos for different surgical operations in different animals.

**Course Coordinator:**

Assist. Prof. / Abd El Nasr Azab  
Teaching assist. / El Hussein El Badry El Dowy

Date: 22 /5 /2010