University: South Valley   **Faculty: 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: Anesthesiology, Radiology and Surgery Department.

Department offering the course: Anesthesiology, Radiology and Surgery Department.

Academic year / Level: 4th Year (first Semester)

Date of specification approval: 22-12-2009

A- Basic Information:

Title: Surgery (Anesthesia)   **Code:** 411
Credit Hours:
 Lecture: 1 hour/ week
Tutorial:
Practicals: 2 hours/ week
Total: 3 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. Knowledge about different methods of anesthesia in different animals which suitable for the surgical operations.

1.3. Knowledge about different routes of drug administration of anesthesia.

1.4. Knowledge about different types of pre–anesthetic medication.

2 – Intended Learning Outcomes of Course (ILOs)

2. A. Knowledge and Understanding:

Graduates of Veterinary Medical program must acquire the following knowledge and understanding :

2. A.1. Basic knowledge about types of premedication and drug of choice for different animals.

2. A. 2. Basic knowledge about types of anesthetic drugs, knowing characters, duration and onset of action of these drugs.

2. A. 3. Basic knowledge about different methods of anesthesia and suitable technique for different animals.

2. B. Intellectual Skills:

Graduates must have the ability to:

2. B.1. Dealing with different anesthetic drugs and techniques adopted for surgical operations.

2. B.2. Dealing with Preanaesthetic preparation of the patient animal and physiological parameters changes during anesthesia.

2. B.3. Dealing with post anesthetic complications and precautions required for prevention.

2. C. Professional and Practical Skills:

Graduates must attain the capacity to:

2. C.1. Skills in knowing routes of drug administration.

2. C.2. Skills in knowing different types of anesthesia which suitable for the different animals.

2. C.3. Skills in knowing clinical symptoms of anesthetic drugs on animals.

2. C.4. Skills in determination of the accurate dose from anesthetic drugs according to weight of animal.

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. Ability in work in a team group.

2. D.3. Collection of data about different methods of Anesthesia from the internet and journal.

2. D.4. Collection of the videos through websites which show for students clinical symptoms on animals of different types of anesthesia.

3- Contents:

A -Lectures:-

Topic	No. of hours
Preanaesthetic medications	1
Local anesthetic drugs	1
Local anesthesia	1
Regional anesthesia	1
Regional anesthesia	1
Regional anesthesia	1
Spinal analgesia	1
Basal narcosis	1
General anesthesia	1
General anesthetic drugs	1
General anesthetic machines	1
Breathing systems	1
Total	12

B- Practicals:

Topic	No. of hours
Routes of drug administration	2
Preanaesthetic medications	2
Local anesthetic drugs	2
Methods of producing local analgesia	2
Nerve block of the head	2
Nerve block of the limb	2
Paravertebral nerve block	2
Spinal analgesia	2
Basal narcosis	2
General anesthetic drugs	2
Procedures and equipment of general anesthesia	2
Revision	2
Total	24

4– Teaching and Learning Methods:

4.1. Lectures.

4.2. Practical sessions to gain practical skills.

4.3. Discussion.

4.4. Using experimental animals.

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 (8th week of the semester).

Assessment 2: Practical exam. Week (13th week of the semester).

Assessment 3: Final-term exam. Week (14th week of the semester).

Assessment 4: Oral exam. Week (15th 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 anesthesia.

6.2- Essential Books (Text Books)

Veterinary anasethesia (Rebold & Gray).

6.3- Recommended Books

-Veterinary anesthesia (Hall & Clarck).

-Hand book of veterinary anesthesia.

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 methods of anesthesia.

Course Coordinator:

 Assist. Prof. /Abd El Nasr Azab

Head of Department:

 Prof. /Abd Latif Shaker Sedik

Date: 22 /12 /2009