



كلية الطب البيطري

وحدة ضمان الجودة والإعتماد

جامعة جنوب الوادي

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.

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

Date of specification approval: 22-12-2009

A- Basic Information:

Title: General surgery

Code: 421

Credit Hours:

Lecture: 2 hour/ week

Tutorial:

Practicals: 2 hours/ week

Total: 4 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. Trained to chemically restraint various animal species.

1.3. Able to perform different forms of tranquilization, narcosis and analgesia as well as general anesthesia suitable for minor and major surgical operations in animals.

1.4. Know various methods of sterilization and disinfection of surgical room, surgical instruments, tables, field of operations as well as preparation of animals prior to operation.

1.5. informed about treatment of all types of inflammations, dermatitis, myositis, bursitis, lymphadenitis, lymphangitis.....etc.

1.6. Able to treat all types of surgical infections; Abscess, Gangrene, necrosis, phlegmon.....etc.

1.7. Able to treat all types of surgical affections; sinus, fistula, wounds...etc.

1.8. Manage different forms of fractures and tumors in animals.

1.9. Able to arrest hemorrhage during surgical operations.

1.10. Able to perform different forms of suture patterns, needles and knots.

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 pharmacology of tranquilizers, Anticholinergics, muscle relaxants, narcotics, analgesics and general anaesthetics.

2. A. 2. Basic knowledge about the anatomy of different animal species.

2. B. Intellectual Skills:

Graduates must have the ability to:

2. B.1. To choose the suitable anesthetic or analgesic for operations.

2. B.2. To deal with clinical cases and to know differential diagnosis between surgical affections.

2. B.3. To know the suitable surgical maneuver and suture technique for each disease.

2. C. Professional and Practical Skills:

Graduates must attain the capacity to:

2. C.1. To select the suitable method of sterilization and disinfection.

2. C.2. To select the suitable anesthetic regimen for particular operation.

2. C.3. To 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. Ability in work in a team group.
- 2. D.3. Ability to write a full scientific report of case study.
- 2. D.4. Follow up of cases postoperatively using printable sheets.
- 2. D.5. Ability to use computer and internet to extract information and knowledge.

3- Contents:

A -Lectures:-

Topics	No. of hours
Inflammation	2
Abscesses and Abscessiation	2
Ulcers, Sinus, Fistula and phlegmon	2
Necrosis, Gangrene, Burns and Scalds	2
Bursitis, Tendinitis, Arthritis and Cyst	2
Wounds	2
Wounds	2
Wounds	2
Fractures	2
Fractures	2
Fractures	2
Affections of the muscles and skin	2
Total	24

B- Practicals:

Topic	No. of hours
General principles of aseptic techniques	2
Instruments for general purposes	2
Special surgical instruments	2
Special surgical instruments	2
Suture materials	2
Suture patterns and techniques	2
Suture patterns and techniques	2
Suture patterns and techniques	2
Revision	2
Bandages	2
Fixation of fractures	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.
- 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(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	%
<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)

-Fundamentals techniques of veterinary surgery.

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.

6.4- 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

Head of Department:

Assist. Prof. /Abd El Nasr Azab

Date: 22 / 5 / 2010