



(Regional Surgery)

Benha University

Faculty of Veterinary Medicine

Programme on which the course is given: **Bachelor of Veterinary Medical Science**

Department offering the course: **Department of Surgery**

Academic year / Level : **5th Year**

Date of specification approval: Ministerial Decree No 921, on 15/9/1987

Date of Dept approval: 16-1-2011

A- Basic Information

Title: Regional Surgery

Code: Vet 0065

Lecture: 2 hours

Practical: 3 hours

Total: 5 hours

B- Professional Information

1 – Overall Aims of Course:

The aim of the course is to provide the students with a basic education in the field of the surgery of different body regions and to enable them to gain the skills and attitudes required for the practice of different surgical method under complete aseptic precautions for treatment of various surgical conditions.

2 – Intended Learning Outcomes of Course (ILOs)

a-Knowledge and Understanding:

After successful completion of the course the students should be able to:

- a1- Recognize the basic knowledge about surgical anatomy.
- a2- Understand the basis of the pathogenesis of different surgical affections of the body and its consequences, termination and sequale.
- a3- Familiarize the basis of the surgical techniques of the digestive, respiratory, urinary , male and female genital systems with special reference to the different types surgical techniques
- a4- Identify the basis of ophthalmology and the surgical affections of the eyelids, conjunctiva, cornea and retina.
- A5- Describe the surgical corrections of the different surgical affections of the body systems.



b-Intellectual Skills:

After successful completion of the course the students should be able to:

- b1- Determine how to differentiate between different types of surgical affections.
- b2- Decide how to perform accurate diagnosis.
- b3- Interpret the different types of surgical affections through collecting the clinical signs , diagnostic tools and the diagnostic imaging patterns.
- b4- Judge the more suitable time for interference in the different surgical conditions.
- b5- Determine the appropriate surgical technique.

c- Professional and Practical Skills:

After successful completion of the course the students should be able to:

- c1- Performing the accurate antiseptic procedures before surgery.
- c2- Using the appropriate surgical instruments.
- c3- Performing the basic steps of correct diagnosis
- c4- Practice the special diagnostic procedures.
- c5- Performing simple surgical interferences with special reference to special surgical techniques.
- c6- Manage the surgical cases after operation.

d- General and Transferable Skills:

After successful completion of the course the students should be able to:

- d1- Solve problems associated with pet animal diseases.
- d2- Communicate with other colleagues for reaching diagnosis.
- d3- Cooperate with other veterinary hospitals, clinics and units in the field of pet animal practice.
- D4- Work in a team during group assignments.

3- Contents

Topic	No. of hours	Lecture	Practical
Surgery of Digestive System	18	12	6
Surgery of Respiratory	10	4	6

System			
Surgery of Urinary system	6	3	3
Surgery of the Genital System	12	3	9
Surgery of the mammary system	5	2	3
Ophthalmology	15	6	9
Clinical cases	9	-	9
Total	75	30	45

4- content-ILOs matrix

Content	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Surgery of Digestive System	a1-a2-a3- a5	B1-b2-b3-b4-b5	C1-c2-c3-c4-c5-c6	D1-d2-d3-d4
Surgery of Respiratory System	a1-a2-a3- a5	B1-b2-b3-b4-b5	C1-c2-c3-c4-c5-c6	D1-d2-d3-d4
Surgery of Urinary system	a1-a2-a3- a5	B1-b2-b3-b4-b5	C1-c2-c3-c4-c5-c6	D1-d2-d3-d4
Surgery of the Genital System	a1-a2-a3- a5	B1-b2-b3-b4-b5	C1-c2-c3-c4-c5-c6	D1-d2-d3-d4
Surgery of the mammary system	a1-a2-a3- a5	B1-b2-b3-b4-b5	C1-c2-c3-c4-c5-c6	D1-d2-d3-d4
Ophthalmology	a1 -a4-a5	B1-b2-b3-b4-b5	C1-c2-c3-c4-c5-c6	D1-d2-d3-d4
Clinical cases	a1-a2-a3-a4-a5	B1-b2-b3-b4-b5	C1-c2-c3-c4-c5-c6	D1-d2-d3-d4

5- Assessment-ILOS matrix

Assessment	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Mid – Term exam	✓	✓	✓	



Practical exam	✓		✓	
Oral exam	✓	✓	✓	✓
Final term exam	✓	✓	✓	✓
Assignments and research	✓			✓

6- Teaching and Learning Methods

- 4.1- Cadavers.
- 4.2- Experimental animals.
- 4.3- CD's, slides and video tapes.
- 4.4- Demonstration of surgical instruments.

7- Student Assessment Methods

- 5.1 Practical exam to assess professional and practical skills.
- 5.2 Oral exam to assess knowledge and information and intellectual skills.
- 5.3 Written exam to assess knowledge, information and intellectual skills.
- 5.4 Assignments to assess management of clinical cases.

Assessment Schedule

Assessment 1	Assignment	6 th Week
Assessment 2	Mid term Exam	8 th week
Assessment 3	Practical exam	14 th Week
Assessment 4	Oral exam	15 th Week
Assessment 5	Final written exam	15 th week

Weighting of Assessments

Mid-Term Examination	5 %
Final-term Examination	50 %
Oral Examination.	20 %
Practical Examination	20 %
Semester Work	5 %
Other types of assessment	0 %
Total	100%

Any formative only assessments

8- List of References

8.1- Course Notes

A concise guide of Regional Veterinary Surgery.



8.2- Essential Books (Text Books)

- 1- An Atlas of Veterinary Surgery 1980 Johon Hickman and Robert G. Walker
- 2- Equine Surgery, Auer, JA and Stick, JA 1999.
- 3-Technique of large Animal Surgery, 2nd ed. A. Simon Turners, AS

8.3- Recommended Books

- 1- Veterinary Ophthalmology, Gelatt, K 3rd Edition 1999.
- 2- Food Animal Surgery, Noordsy, 2 nd ed 1990.

8.4- Periodicals, Web Sites, ... etc

- Journal of Veterinary Surgery.
- American Journal of Veterinary Medical Association.
- American Journal of Veterinary Research.
- Veterinary Record.

9- Facilities Required for Teaching and Learning

- Surgical laboratory.
- Routine surgical kit.
- Clinical Teaching cases.
- Cadavers.
- Experimental and laboratory animals.
- Data show and computer lab.

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