

Specification for General Surgery course 2019/2020

A-Affiliation

1.	Relevant program	Bachelor of Veterinary Medical Science (BVMSc)
2.	Department offering the course	Surgery anaesthesiology and radiology

Date of specification approval: ministerial decree No. 1727 on 26/4/2017
(Approved in this template by the department council on 1/10/2019)

B-Basic information

1.	Course title	General Surgery
2.	Course code	401 (A) I
3.	Level	4 th year
4.	Semester	First semester
5.	Total hours	5
6.	Lecture hours	2
7.	Practical hours	3

C-Professional Information

1- Course learning objectives

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

2- Intended learning outcomes of the course (ILOs):

a- Knowledge and understanding

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

- a1- State the general basic knowledge about surgical anatomy .
- a2- Identify the basis of the inflammatory process and its consequences, termination and sequel.
- a3- Mention the principles of general surgery with special reference to the different types of swellings and their differentiation.
- a4- Familiarize the different types of incisions, wounds and fracture management.
- a5- Distinguish the basis of surgical affections of the joint and tendons

b- Intellectual skills

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

- b1- Differentiate between different types of swellings.

- b2- Asses the appropriate suture pattern and dealing with different types of wounds .
- b3- Interpret the different types of fractures , joint and tendons affections through collecting the clinical signs and the radiographic pattern.
- b4- Conclude the more suitable time for interference in the different surgical conditions

c- Professional and practical skills

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

- c1- Practice the accurate antiseptic procedures before surgery.
- c2- Preparing and handling of the different surgical instruments.
- C3-Implement the basic surgical incisions and suture patterns.
- c4- Fixation of simple types of fractures.
- c5- Performing simple surgical interferences.
- c6- Follow up of the surgical cases

d- General and transferable skills

After successful completion of the course the students should have the following skills

- 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- Course contribution in the program ILOs:

Course ILOS	Program ILOS
A Knowledge and understanding	a10
B Intellectual skills	b8
C Professional and practical skills	c3,9,10
D General and transferable skills	d1,2,3,5

3.1- Course contents:

Topic	Lecture hours	Practical hours
Inflammation	2	-
Buritis	2	-
Tendon conditions	4	-
Joint conditions	4	-
Phelgmon and gangrene	2	-
Wounds	4	6
Fracture	6	6
Abscess	1	3
Cyst and tumors	1	-
Haemorrhage and Haemostasis	1	3
Hernia	2	3
Fistula and sinus	1	-

Burns and scalds	1	-
Antisepsis and aseptic procedures	-	6
Suture materials	-	6
Suture patterns	-	6
Dressing and bandage	-	3
Clinical cases	-	3
Total	30	45

The midterm and practical exams are included during the semester

3.2- ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Inflammation	a1-a2	b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Buritis	a1-a3-a4	b3-b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Tendon conditions	a1- a4- a5	b3-b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Joint conditions	a1- a4- a5	b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Phelgmon and gangrene	a1-a2-	b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Wounds	a1- a4	b2- b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Fracture	a1- a4	b3-b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Abscess	a1-a3-a4	b1 -b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Cyst and tumors	a1-a3-a4	b1 -b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Haemorrhage and Haemostasis	a1-a3-a4	b1 -b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Hernia	a1-a2-a3-a4	b1 -b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Fistula and sinus	a1- a4	b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Burns and scalds	a1-a2	b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Antisepsis and aseptic procedures	a1-a2	b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Suture materials	a1-a2	b3-b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Suture patterns	a1-a2	b3-b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4
Dressing and bandage	a1-a2	b3-b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4

			c6	
Clinical cases	a1-a2	b4	c1-c2-c3-c4- c5- c6	d1-d2-d3-d4

4- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods							assessment method					
	L	P&M	D	P	Ps	Bs	Ft	semester	midterm	oral	practical	written	
Knowledge and understanding	a1	X	X	X	0		X	0	X	X	X	0	X
	a2	X	X	X	0		X	0	X	X	X	0	X
	a3	X	X	X	0		X	0	X	X	X	0	X
	a4	X	X	X	0		X	0	X	X	X	0	X
	a5	X	X	X	0		X	0	X	X	X	0	X
Intellectual skills	b1	X	X	X	0	X	X	X	X	X	X	0	X
	b2	X	X	X	0	X	X	X	X	X	X	0	X
	b3	X	X	X	0	X	X	X	X	X	X	0	X
	b4	X	X	X	0	X	X	X	X	X	X	0	X
Professional and practical skills	c1	0	X	X	X	X	0	X	X	0	X	X	0
	c2	0	X	X	X	X	0	X	X	0	X	X	0
	c3	0	X	X	X	X	0	X	X	0	X	X	0
	c4	0	X	X	X	X	0	X	X	0	X	X	0
	c5	0	X	X	X	X	0	X	X	0	X	X	0
	c6	0	X	X	X	X	0	X	X	0	X	X	0
General skills	d1	X	0	X		X	0	X	X	0	X	X	X
	d2	X	0	X	X	0	0	X	X	0	X	0	0
	d3	0	0	X	X	0	0	X	X	0	X	0	0
	d4	0	X	X	0	0	0	X	X	0	X	0	0

L :Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars PT: Practical, Ps: Problem solving, Bs: Brain storming Ft: field trip

5- Assessment timing and grading:

Assessment method	timing	grade
Mid-term exam and semester work	6 th week	15
Practical exam	14 th week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

6- List of references

6.1- Course notes:

A concise guide of General Veterinary Surgery **edited by staff members**

6.2- Essential books (text books)

- Teresa F. Sonsthagen (2011) Veterinary instruments and equipment :a pocket guide.
- Pramod Kumar (2009) textbook of veterinary anaesthesia.

- Lisa M. Lavin (2007) Radiography in Veterinary Technology
- E. R Frank. Veterinary Surgery

6.3- Recommended books

- Course note.
- Lisa M. Lavin (2007) Radiography in Veterinary Technology.
- Kirby I. Bland (2002) The Practice of General Surgery.

6.4- Periodicals, Web sites, . . . etc

- Journal of Veterinary Surgery.
- American Journal of Veterinary Medical Association.
- American Journal of Veterinary Research
- Veterinary Record
- www.ekb.eg

7- Facilities required for teaching and learning

- Equipped teaching hall.
- Equipped surgical laboratory.
- Equipped surgery room.
- Radiation unit
- Faculty teaching farm
- Faculty teaching hospital
- Training unit

Course coordinator: Prof. Dr ADEL ELAQRAA.

Head of department Prof. Dr ADEL ELAQRAA

Signature

Date...1/10/2019