



Course specification

Course Data

Course Code:	SUR:4252
Course title :	General surgery (part II)
Academic year:	4 th Academic year
Program title:	B. Sc. Veterinary Medical sciences
Contact hours/ week	5 hours/week, Lect.(2 hrs/week), Practical (3hrs/week)
Approval Date	

1-Professional information

This course aims to:

- Provide students with principle information about general surgery.
- Enable students to gain skills for diagnosis and treatment different general surgical affection of domestic animals.

2- Intended learning outcomes of course (ILOs)

a- Knowledge and understanding:

By the end of this course the student should be able to:

- a1. Describe the causes, clinical features and diagnosis of the common surgical conditions.
- a2. Mention the basic principles of simple surgical operations.
- a3. Recognize the basic principles of anesthetic techniques and materials.
- a4. Mention the principles and practice of the preoperative preparation and postoperative care including pain management.
- a5. Recognize the common medical errors and malpractice in surgery.

b-Intellectual skills

By the end of this course the student should be able to:

- b1. Interpret patients' symptoms and physical signs to reach the accurate diagnosis.
- b2. Interpret and predict the prognosis and Sequelae of surgical affections.
- b3. Score of suitability of using defined anesthetic techniques.
- b4. Compare between different types of antiseptics and disinfectants.
- b5. Differentiate between different circumscribed surgical swellings.

c- Professional and practical skills

By the end of this course the student should be able to:

- c1. Obtain accurate and complete surgical history.
- c2. Perform different surgical techniques.
- c3. Identify surgical instruments and link between these instruments and surgical operations.
- c4. Apply the principles of sterile techniques and infection control guidelines.
- c5. Treat different forms of hemorrhage and arrest it.
- c6. Use different types of fluid therapy for treating dehydration and blood loss.
- c7. Follow up clinical cases post surgically and manipulate any complications.



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c8. Treat and control various types of fractures and stabilize it.

d- General and transferable skills

By the end of studying the course, the student should be able to:

d1. Appreciate the team working and time management.

d2. Value the ethics and respect to all individuals inside and outside the surgery room and pay appropriate respect to the animal's clinical cases.

d3. Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other colleagues.

d4. Maintain a professional image concerning behavior, dress and speech.

d5. Be responsible toward work.

d6. Communicate effectively with public, colleagues and appropriate authorities.

d7. Achieve computer skills necessary to make use of medical databases and use the internet for communication.

d8. Prepare a scientific paper and essay.

3-Topics and contents

Course	Topic	No. of hours	Lectures	Practical
Fourth year-second term General surgery	- Inflammation	2	1	1
	- Necrosis, ulcers and gangrene	4	2	2
	-Burns and scalds	4	2	2
	- Abscess	4	2	2
	- Sinus and fistula	2	1	1
	-Cyst and tumors	2	1	1
	-Bone affections	8	4	4
	-Joint affections	8	4	4
	-Tendons and tendon sheath affections	8	4	4
	-Affections of bursa	4	2	2
	-Muscle affections	2	1	1
	-Nerve and blood vessels affections	4	2	2
	Total		52	26

4-Teaching and learning methods

4.1- Lectures (brain storming, discussion) using board, data shows

4.2- Self learning by preparing essays and presentations (computer researches and faculty library)

4.3- Practical sections and summer training.

4.4- Classes of cases admitted to the department with active participation of students.

4.5 Attendance of operations in surgery hall.



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5-Teaching and learning methods for the students with disabilities

Office hours and special meeting

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Written Exam	a1-a2-a3-a4-a5-a6-a7	b3	c1	d1
Practical Exam	a4 – a5 – a7	b3 –b6	c1-c2-c3-c4	d1-d2
Oral Exam	a2 – a6	b1-b2	c3	d3

6.2. Assessment schedules/semester:

Method	Week(s)
Practical exams	14 th week
Written exams	14 th week
Oral Exam	14 th week

6.3. Weight of assessments:

Assessment	Weight of assessment
Practical exams	20%
Student activity	10%
Written exams	50%
Oral Exam	%20
	100%

7- List of references

7.1 Notes and books

Not found.

7.1. Essential books:

- Veterinary anaesthesia&analgesia (5Th Ed.) Lumb&Jones 2015
- Small animal surgery (4th Ed.) Theresa Welch Fossum 2012
- Farm Animal Surgery (2nd Ed.) Susan Fubini &Norm Ducharme 2016
- Veterinary anaesthesia (11th Ed.). L.W.Hall. K.W.Clarke and Trim 2014

**These books are available online through Google search (www.google.com).

7.2. Recommended texts

Small animal anesthesia. Roger.C. Warren. 1983



Beni-Suef University
Faculty of Veterinary Medicine
Surg. Rad. & Aesthesiol. Depart.

جامعة بني سويف
كلية الطب البيطري
قسم الجراحه والتخدير والاشعه

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Atlas of general small animal surgery. Caywood. Lipowitz. 1989

*These books are found in the library of faculty of veterinary medicine , Beni-suef university.

7.3. Journals, Websitesetc

Journals:

- The veterinary journal
- Veterinary surgery
- Veterinary anesthesia and analgesia
- Equine veterinary journal
- Canadian Journal of veterinary medicine
- Livestock production science
- Equine veterinary education.

Websites:

www.blackwellpublishing.com/journal.asp
www.acvs.org
www.vetcision.com/staff.html
www.vsecvet.com/practices/surgery/vets.html
www.ascotvetsurgery.com.au
www.barnhousevets.co.uk
www.veterinarsurgerycenter.com
www.rcvs.org.uk/VeterinarySurgeons
www.vetsurgeonsboardwa.au.com

Course Coordinators

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Beni Suef University
Faculty of Veterinary Medicine

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	Topics	HRS	Knowledge and Understanding					Intellectual Skills					Practical and Professional Skills								General and transferable skills								
			1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
1	Inflammation				X			X							X													X	
2	Necrosis, ulcers and gangrene						X	X										X											X
3	Burns and scalds										X				X							X							
4	Abscess				X			X						X								X							
5	Sinus and fistula				X												X								X				
6	Cyst and tumors				X			X						X								X							
7	Bone affections			X								X									X			X					
8	Joint affections				X																X				X				
9	Tendons and tendon sheath						X	X						X													X		
10	Affections of bursa				X																X			X					
11	Muscle affections						X	X													X					X			
12	Nerve and blood vessels affec				X						X														X				



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