



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

جامعة بني سويف
كلية الطب البيطري
قسم الجراحه والتخدير والاشعه

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:

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

b-Intellectual skills

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

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

c- Professional and practical skills

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

- Obtain accurate and complete surgical history.
- Perform different surgical techniques.
- Identify surgical instruments and link between these instruments and surgical operations.
- Apply the principles of sterile techniques and infection control guidelines.
- Treat different forms of hemorrhage and arrest it.
- Use different types of fluid therapy for treating dehydration and blood loss.
- 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	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



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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.veterinarysurgerycenter.com
www.rcvs.org.uk/VeterinarySurgeons
www.vetsurgeonsboardwa.au.com

Course Coordinators

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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									X				



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