

# Specification for General Surgery course 2025/2026

#### 1-Basic information

Course title	General Surg	General Surgery						
Course code	SUR.417							
	Surgery anesthesiology and radiology							
Department/s participating	Surgery ariest	11168	iology and ra	autolog	У			
in delivery of the course								
Number of units/credit	Theoretical	1	Practical	1(3)	Other	0	Total	2(4)
hours								
Course Type	√ Obligatory	7	Elective					
Academic level at which the	4 <sup>th</sup> year							
course is taught								
Semester	Fall							
Academic program	Bachelor of V	/ete	rinary Medic	cine (B'	VM)			
Faculty	Veterinary m	edic	ine					
University	Benha Univer	rsity	7					
Name of course coordinator	Prof. Dr. AD	EL 1	Badawy.					
Course Specification	Faculty cound	cil 2	7-8-2025					
Approval Date								
Course Specification	Department council on 8/7/2025							
Approval (Attach the								
decision/minutes of the								
department								
/committee/council)								

#### 2-Course overview

#### • Course contents written in the program bylaw:

Asepsis and antisepsis; suturing injections; inflammation abscess; sinus and Fistula; necrosis and Gangrene; Ulcers; burns phlegmon, bones; joints, muscles; tendonsy bursae; nerves vessels; tumors and cysts wounds; Hemorrhage.

3- Course Learning Outcomes CLOs						
	(NARS) outcomes Course out					
Knowledge	Code	Text	Code	Text		
and	2 10	Toxicology and forensic	a1	State the general basic knowledge		

r				
understanding		medicine, animal medicine,		about surgical anatomy.
		theriogenology and veterinary	<b>a2</b>	Identify the basis of the inflammatory
		surgery.		process and its consequences,
				termination and squeal.
			a3	Mention the principles of general
				surgery with special reference to the
				different types of swellings and their
				differentiation.
			a3	Mention the principles of general
		The most appropriate		surgery with special reference to the
		diagnosis and differential		different types of swellings and their
	2.11	diagnosis of animals, poultry		differentiation.
		and fish diseases	a4	Familiarize the different types of
				incisions, wounds and fracture
				management.
		Basics of law and ethical	a5	Distinguish the basis of surgical
	2.14	codes relevant to animals and		affections of the joint and tendons
		food hygiene.	1.1	Dicc di da licc da c
	4.1	Foster critical thinking and scientific curiosity.	b1	Differentiate between different types of
			1.2	swellings.
			<b>b2</b>	Asses the appropriate suture pattern
				and dealing with different types of wounds.
Intellectual			b3	Interpret the different types of fractures
skills			D3	, joint and tendons affections through
SKIIIS				collecting the clinical signs and the
				radiographic pattern.
			b4	Conclude the more suitable time for
				interference in the different surgical
				conditions
		Obtain the history of the case	c1	Practice the accurate antiseptic
	3.3	whether it is of an individual		procedures before surgery.
	3.3	animal or a group of animals	c2	Preparing and handling of the different
				surgical instruments.
		Skillfully and appropriately	c3	Implement the basic surgical incisions
		gain and use new		and suture patterns.
Professional	3.8	information remain current	c4	Fixation of simple types of fractures.
and practical		with the emerging		
skills		biomedical knowledge and		
		therapeutic options Conduct evidence-based	<b>c</b> 5	Performing simple surgical
	3.0	problem-solving of field—	CS	interferences.
	3-9	presented problems tasks		interferences.
		Provide emergency care to all	<b>c6</b>	Follow up of the surgical cases
	3.10	species of animals	CU	1 onow up of the surgical cases
		Work under pressure and / or	d1	Work under pressure during Surgical
General skills	<b>5.1</b>	contradictory conditions	uı	operations
Jones at Skins		conditions conditions		operations

5.2	Function in a multidisciplinary team	<b>d2</b>	Work in a team during the Surgical operations.
5.3	Communicate appropriately verbally and nonverbally	d3	Communicate & Cooperate with other colleagues during surgical operations.
5.5	Search for new information and technology as well as adopt life—long self-learning ethics	d4	Search for new information in the field of general surgery.

4- Teaching and learning methods					
Lectures	√	Discussion & seminar (Self-learning)	√	Practical	√
Presentation & movies	√	Problem solving	√	Brain storming	<b>√</b>
Others	Field tra	ining	•	•	

#### - Course contents:

			<b>Expected number of the Learning Hours</b>				
Week [W]	Topics	Weekly hours	Theoretical teaching (lectures/discu ssion groups/)	Training (Practical/C linical/)	Self- learning (Tasks/ Assignme nts/ Projects/ )	Other (to be deter mined )	
W1	Inflammation Antispesis and aseptic procedures	2(3)	1	1(3)		0	
W2	Burisitis Antispesis and aseptic procedures	2(3)	1	1(3)		0	
W3	Tendon conditions Suture materials	2(3)	1	1(3)		0	
W4	Joint conditions Suture materials	2(3)	1	1(3)	Formative quiz (Self-learning)	0	
W5	Phelgmon and gangrene Suture patterns	2(3)	1	1(3)		0	

W6	Wounds					0			
	Suture patterns	2(3)	1	1(3)					
W7	Semester works (one hour exam)								
W8	Fracture			1(3)	Formative	0			
	Suture patterns	2(3)	1		quiz (Self- learning)				
W9	Abscess		_	1(3)	0	0			
	Suture patterns	2(3)	1						
W10	Cyst and tumors			1(3)	0	0			
	Dressing and bandage	2(3)	1						
W11	Haemorrhage and			1(3)	Formative	0			
	Haemostasis	2(3)	1		quiz (Self- learning)				
W12	Hernia	2(0)	_	1(3)		0			
	Dressing and bandage	2(3)	1						
W13	Fistula and sinus			1(3)		0			
	Dressing and bandage	2(3)	1						
XX/1.4	Burns and scalds	2(2)	1	1(2)		0			
W14	Clinical cases	2(3)	1	1(3)					
W15		Practical exam							

#### 5- Methods of students' assessment

- a- Assessment methods (summative and formative)
- 1. **Formative assessment**: including (weekly quizzes, homework assignments and surveys).
- 2. **Summative assessment** including (quizzes, class activities, Mid-term exam, practical exam, oral exams and final written exams).

b- Assessment schedule and weight

Assessment method	<b>Assessment Timing</b>	Marks/ Scores	Percent
	(Week Number)		
Semester works including one hour	7 <sup>th</sup> week		
exam	/ WEEK		
Assignments / Project /Portfolio/		10	10%
Logbook	Throughout semester		
Field training			
Formative assessment	Throughout semester	-	-
Practical exam	15 <sup>th</sup> week	30	30%
oral exam	End of semester	10	10%
Written exam	End of semester	50	50%



Total	100	100%

### 6- Learning resources and supportive facilities:

	Main	Student handbook: A concise guide of General
	reference	Veterinary Surgery
		Edit by Staff members
	Essential	• Teresa F. Sonsthagen (2011)
	books (text	Veterinary instruments and equipment
	books)	:a pocket guide.
Learning resources		• E. R Frank. Veterinary Surgery
		• Kirby I. Bland (2002) The Practice of
		General Surgery
		Journal of Veterinary Surgery.
		American Journal of Veterinary
		Medical Association.
	Periodicals,	American Journal of Veterinary
	Web sites,	Research
	etc	Veterinary Record
		• www.ekb.eg
	Learning	Thinqi
	platform	
Supportive	Devices &	Autoclave, hot air oven, Scissors, scalpels, needles,
facilities	instruments	artery forceps, dissectors, needle holders, suture
		materials, x ray films,

## **Matrices:** A- Content and ILOs matrix:

Topic	<b>A</b> )	<b>B</b> )	<b>C</b> )	<b>D</b> )
	Knowledge and understanding	Intellectual skills	Professional and practical skills	General and transferable skills
Inflammation	a1-a2	<b>b4</b>	c1-c2-c3-c4- c5-c6	d1-d2-d3-d4
Burisitis	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	<b>b</b> 4	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	a1-a3-a4	b1 -b4	c1-c2-c3-c4- c5-c6	d1-d2-d3-d4-
Haemostasis				
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
Antispesis and aseptic	a1-a2	b4	c1-c2-c3-c4- c5-c6	d1-d2-d3-d4
procedures				
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
Clinical cases	a1-a2	b4	c1-c2-c3-c4- c5-c6	d1-d2-d3-d4

**B-** Teaching and learning methods and ILOs matrix:

ILOs		Teaching and Learning method								
		L	P&M	D&s	P(TPL)	Ps	Bs	FTP		
Knowledge and understanding	a1	$\sqrt{}$	V		$\sqrt{}$		$\sqrt{}$			
	<b>a2</b>	$\sqrt{}$		$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
	a3	$\sqrt{}$		$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
	a4	$\sqrt{}$		$\sqrt{}$	$\sqrt{}$	$\checkmark$	$\sqrt{}$			
	a5	$\sqrt{}$	V	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
Intellectual skills	<b>b1</b>	$\sqrt{}$								
	<b>b2</b>	$\sqrt{}$		$\sqrt{}$						
	<b>b3</b>	$\sqrt{}$		$\sqrt{}$						
	b4	$\sqrt{}$		$\sqrt{}$						
Professional and practical skills	c1				$\sqrt{}$		$\sqrt{}$			
	c2				$\sqrt{}$		$\sqrt{}$			
	c3				$\sqrt{}$		$\sqrt{}$			
	c4				$\sqrt{}$		$\sqrt{}$	$\sqrt{}$		
	<b>c5</b>				$\sqrt{}$		$\sqrt{}$	$\sqrt{}$		
	<b>c6</b>				$\sqrt{}$		$\sqrt{}$			
General skills	d1						$\sqrt{}$	V		



d2			$\sqrt{}$	$\sqrt{}$
d3				
d4			V	

L: Lecture, **P&M**: Presentations & Movies, **D&S**: Discussions & Seminars (self-learning), **P(TPL)**: Practical, **Ps**: Problem solving, **Bs**: Brain storming, **FTP**: field trip, Training, Project

#### C- Assessment methods and ILOs matrix:

ILOs		Assessment method							
		Formative assessment	Semester works (one hour exam)	Oral	Practical	Written			
	a1	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
Knowledge	<b>a2</b>	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
and	a3	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
understanding	a4	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$					
	a5	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$			
	<b>b1</b>	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
Intellectual	<b>b2</b>	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
skills	<b>b3</b>	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
	<b>b4</b>	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
Professional	c1	$\sqrt{}$							
and practical	c2	$\sqrt{}$							
skills	c3	$\sqrt{}$							
	c4	$\sqrt{}$			$\sqrt{}$				
	<b>c5</b>	$\sqrt{}$			$\sqrt{}$				
	<b>c6</b>				$\sqrt{}$				
	d1								
General skills	<b>d2</b>	$\overline{\qquad}$				-			
	d3	√	- V	$\sqrt{}$					
	d4	$\overline{\qquad}$		<u></u>					

Name and Signature Course Coordinator

Prof. dr. Adel M Badawy

Name and Signature Program Coordinator

**Prof. Dr. Mahmoud Abouelroos**