

Specification for Regional Surgery course

2025/2026

1-Basic information

1.	Course title	Special Surgery (Regional Surgery)						
2.	Course code	504 (A) III						
3.	Department offering the course	Surgery anesthesiology and radiology						
3.	Level	5 th year						
4.	Semester	First semester						
5.	Number of units/credit hours	Theoretical	2	Practical	1(3)	Other	0	Total 3
6.	Course Type	√ Obligatory Elective						
7.	Academic program	Bachelor Veterinary medicine (BVM)						
8.	University	Benha University						
9.	Faculty	Veterinary medicine						
10.	Name of course coordinator	Prof. Dr ADEL bawdy						
11.	Date of Approval	Department council on 8/7/2025						

2-Course overview

- Course contents written in the program bylaw:
Identify basics of Digestive system; Respiratory system; urinary system reproductive. System udder and teat; Ear; Horns Special affections.

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

	(NARS) outcomes		Course outcomes	
	Code	Text	Code	Text
Knowledge and Understanding	2.10	Toxicology and forensic medicine, animal medicine, theriogenology and veterinary surgery.	a1	Identify the basic knowledge about surgical anatomy.
	2.11.	The most appropriate diagnosis and differential diagnosis of animals, poultry and fish diseases	a2	Describe the basis of the pathogenesis of different surgical affections of the body and its consequences, termination and sequele.
			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.
	2.14.	Basics of law and ethical codes relevant to animals and food hygiene	a5	Describe the surgical corrections of the different surgical affections of the body systems
Intellectual skills	4.1	Foster critical thinking and scientific curiosity.	b1	Determine how to differentiate between different types of surgical affections.
	4.4	Proficiently secure diagnostic reasoning, develop problem lists and differential diagnosis in order to deductively and critically reach the most appropriate solution (s) and management of the addressed clinical problems.	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
Practical and professional skills	3.2.	Safely, correctly and humanely restrain animals for examination.	c1	Performing the accurate antiseptic procedures before surgery.
			c2	Using the appropriate surgical instruments
	3.3.	Obtain the history of the case whether it is of an individual animal or a group of animals.	c4	Practice the special diagnostic procedures.
	3.8.	Skillfully and appropriately gain and use new information remain current with the emerging biomedical knowledge and therapeutic options.	c5	Performing simple surgical interferences with special reference to special surgical techniques.
	3.9.	Conduct evidence-based problem-solving of field-presented problems tasks.	c3	Conduct evidence-based problem-solving of field-presented problems tasks
	3.10.	Provide emergency care to all species of animals	c6	Manage the surgical cases after operation

General and Transferable Skills	5.1	Work under pressure and / or contradictory conditions.	d1	Work under pressure during lab sessions.
	5.2	Function in a multidisciplinary team.	d2	Cooperate with other veterinary hospitals, clinics and units.
	5.3	Communicate appropriately verbally and non- verbally.	d3	Communicate with other colleagues for reaching diagnosis.
	5.5	Work under pressure and / or contradictory conditions.	d4	Searching skill and Self-learning during lecture related to his research project.

4- Teaching and learning methods					
Lectures	√	Discussion & seminar (self-learning)	√	Practical	√
Presentation & movies	√	Problem solving	√	Brain storming	√
Others	Field training- project				

- Course contents:

Number of the Week	Scientific content of the course (Course Topics)	Expected number of the Learning Hours				
		Total Weekly hours	Theoretical teaching (lectures/discussion groups/)	Training (Practical/ Clinical/)	Self-learning (Tasks/ Assignments/ Projects/ ...)	Other
W1	Surgery of Digestive System1	5	2	0		0
	Surgery of Digestive System1		0	3		0
W2	Surgery of Digestive System2	5	2	0		0
	Surgery of Digestive System2		0	3		0
W3	Surgery of Digestive System3	5	2	0	Formative quiz(self-learning)	0
	Surgery of Digestive System3		0	3		0
W4	Surgery of Digestive System4	5	2	0		0
	Surgery of Digestive System4		0	3		0

W5	Surgery of Respiratory System1	5	2	0		0
	Surgery of Respiratory System1		0	3		0
W6	Surgery of Respiratory System2	5	2	0	Formative quiz(self-learning)	0
	Surgery of Respiratory System1		0	3		0
W7	Semester works and Mid-term exam					
W8	Surgery of Respiratory System3	5	2	0		0
	Surgery of Respiratory System3		0	3		0
W9	Surgery of the Genital System1	5	2	0		0
	Surgery of the Genital System1		0	3		0
W10	Surgery of the Genital System2	5	2	0	Formative quiz(self-learning)	0
	Surgery of the Genital System2		0	3		0
W11	Surgery of the Genital System3	5	2	0		0
	Surgery of the Genital System3		0	3		0
W12	Surgery of the mammary system	5	2	0		0
	Surgery of the mammary system		0	3		0
W13	Ophthalmology1	5	2	0	Formative quiz(self-learning)	0
	Ophthalmology1		0	3		0
W14	Ophthalmology2	5	2	0		0
	Ophthalmology2		0	3		0
W15	Practical exam					

5- Assessment timing and grading:

a- Assessment methods (summative and formative)

- Formative assessment:** including (weekly quizzes, homework assignments and surveys).
- Summative assessment** including (quizzes, class activates, Mid-term exam, practical exam, oral exams and final written exams).

b- Assessment schedule and weight

Assessment method	Timing	Grade	Percent
Mid-term exam	7 th week	15	15%
Formative assessment	Throughout semester	-	-
Practical exam	15 th week	20	20%
oral exam	End of semester	15	15%
Written exam	End of semester	50	50%
Total		100	100%

6- Learning resources and supportive facilities:

Learning resources	Main reference	Student handbook
	Essential books (text books)	<ul style="list-style-type: none"> • 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 • Amresh Kumar k.(2005) Veterinary Surgical Techniques • Course note. • Lisa M. Lavin (2007) Radiography in Veterinary Technology. • Kirby I. Bland (2002) the Practice of General Surgery.
	Periodicals, Web sites, . . . etc	<ul style="list-style-type: none"> • Journal of Veterinary Surgery. • American Journal of Veterinary Medical Association. • American Journal of Veterinary Research • www.ekb.eg
	Learning platform	Thinqi
Supportive facilities	Devices & instruments	As listing in device guideline
		<ul style="list-style-type: none"> • Equipped teaching hall. • Equipped surgical laboratory. • Equipped surgery room. • Radiation unit • Faculty teaching farm • Faculty teaching hospital • Training unit

Matrices:

A- Content and ILOs matrix:

Topic	A) Knowledge & understanding	B) Intellectual skills	C) Professional & practical skills	D) General & transferable skills
Surgery of Digestive System	a1-a2-a3- a5	b1-b2-b3- b5	c1-c2-c3-c4-c5-c6	d1-d2-d3-d4
Surgery of Respiratory System	a1-a2-a3- a5	b1-b2-b3-	c1-c2-c3-c4-c5-c6	d1-d2-d3-d4
Surgery of Urinary system	a1-a2-a3- a5	b1-b2--b5	c1-c2-c3-c4-c5-c6	d1-d2-d3-d4
Surgery of the Genital System	a1-a2-a3- a5	b1-b2-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	d1-d2-d3-d4
Ophthalmology	a1 -a4-a5	b1-b2-b3	c1-c2-c3	d1-d2-d3-d4
Clinical cases	a1-a2-a3-a4-a5	b1-b2b4-b5	c1-c2c5-c6	d1-d2-d3-d4

B- Teaching and learning methods and ILOs matrix:

Course ILOs		Teaching and Learning methods						
		L	P&M	D&s	P(TPL)	Ps	Bs	FTP
Knowledge & understanding	a1	√	√	√			√	
	a2	√	√	√			√	
	a3	√	√	√			√	
	a4	√	√	√			√	
	a5	√	√	√			√	
Intellectual skills	b1	√	√	√		√	√	√
	b2	√	√	√		√	√	√
	b3	√	√	√		√	√	√
	b4	√	√	√		√	√	√
	b5	√	√	√		√	√	√
Professional and practical skills	c1		√	√	√	√		√
	c2		√	√	√	√		√
	c3		√	√	√	√		√
	c4		√	√	√	√		√
	c5		√	√	√	√		√
	c6		√	√	√	√		√
General skills	d1	√		√		√		√
	d2	√		√	√			√
	d3			√	√			√
	d4		√	√				√

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:

Course ILOs		assessment method				
		Formative assessment	Mid-term exam	Oral	Practical	Written
Knowledge & understanding	a1	√	√	√		√
	a2	√	√	√		√
	a3	√	√	√		√
	a4	√	√	√		√
	a5	√	√	√		√
Intellectual skills	b1	√	√	√		√
	b2	√	√	√		√
	b3	√	√	√		√
	b4	√	√	√		√
	b5	√	√	√		√
Professional and practical skills	c1	√			√	
	c2	√			√	
	c3	√			√	
	c4	√			√	
	c5	√			√	
	c6	√			√	
General skills	d1	√				
	d2	√				
	d3	√		√		
	d5	√				

Name and Signature
Course Coordinator

Prof. Dr. ADEL Badwy

Name and Signature
Program Coordinator

Prof. Dr. Mahmoud Abouelroos