Specification for Lameness course 2025/2026

1-Basic information

1.	**Course title**	Special Surgery (Lameness)
2.	**Course code**	**512 (B) IV**
3.	**Department offering the course**	Surgery anesthesiology and radiology
4.	**Number of hours**	**Theoretical** 2 **Practical** 3 **Other** 0 **Total** 5
5.	**Course Type**	√ **Obligatory** **Elective**
6.	**Level**	5th year
7.	**Semester**	Second semester
8.	**Academic program**	Bachelor Veterinary medicine (BVM)
9.	**Faculty**	Faculty of Veterinary medicine
10.	**University**	Benha University
11.	**Name of course coordinator**	Prof. dr. Adel Badwy
12.	**Course Specification Approval Date**	Faculty council/ 27-8-2025
13.	**Course Specification Approval (Attach the decision/minutes of the department /committee/council ....)**	Department council/

2-Course overview

- **Course contents written in the program bylaw:**
  Types and diagnosis of lameness, fore limb lameness, hind limb lameness, hoof affection, claw affection, selected topics in small animal lameness and clinical cases.

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	Define different problems of the Veterinary surgery	
	2.11.	The most appropriate diagnosis and differential diagnosis of animals, poultry and	a2	List the traumatic, pathological and neurological causes that could induce locomotors	

		fish diseases		disturbances.
			a3	Identify the symptoms of many different conditions that causing locomotors disturbances.
	2.14.	Basics of law and ethical codes relevant to animals and food hygiene.	a4	Describe the surgical procedures for correction of the locomotors disturbances
Intellectual skills	4.1	Foster critical thinking and scientific curiosity.	b1	Determine the suitable diagnostic tool to reach a correct diagnosis.
	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 performing diagnosis and differential diagnosis for the affected cases.
			b3	Assess the suitable medicinal and/or surgical treatment for such case.
			b4	Evaluate the surgical affections of the claw that have an economic importance
Practical and professional skills	3.3	Obtain the history of the case whether it is of an individual animal or a group of animals.	c1	Diagnose lameness and detect the site of lameness.
	3.9	Conduct evidence-based problem-solving of field–presented problems tasks.	c2	Perform some orthopedic techniques
			c3	Refer and assist in advanced surgical conditions.
	3.10	Provide emergency care to all species of animals.	c4	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-**	√	**Practical**	√

		learning)			
Presentation & movies	√	**Problem solving**	√	**Brain storming**	√
Others	**Field training**				

- 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/disc ussion groups/ ......)**	**Training (Practical/ Clinical/ ......)**	**Self-learning (Tasks/ Assignments/ Projects/ ...)**	**Other**
W1	Types and diagnosis of lameness 1	**5**	**2**	**0**		**0**
	Types and diagnosis of lameness 1		**0**	**3**		**0**
W2	Types and diagnosis of lameness 2	**5**	**2**	**0**		**0**
	Types and diagnosis of lameness 2		**0**	**3**		**0**
W3	Types and diagnosis of lameness 3	**5**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Types and diagnosis of lameness 3		**0**	**3**		**0**
W4	Fore limb lameness 1	**5**	**2**	**0**		**0**
	Fore limb lameness 1		**0**	**3**		**0**
W5	Fore limb lameness 2	**5**	**2**	**0**		**0**
	Fore limb lameness 2		**0**	**3**		**0**
W6	Fore limb lameness 3	**5**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Fore limb lameness 3		**0**	**3**		**0**
W7	**Semester works and Mid-term exam**					
W8	Fore limb lameness 4	**5**	**2**	**0**		**0**
	Fore limb lameness 4		**0**	**3**		**0**
W9	Hind limb lameness 1	**5**	**2**	**0**		**0**
	Hind limb lameness 1		**0**	**3**		**0**
W10	Hind limb lameness 2	**5**	**2**	**0**	**Formative**	**0**

	Hind limb lameness 2		0	3	quiz(self-learning)	0
W11	Hoof affections	5	2	0		0
	Hoof affections		0	3		0
W12	Claw affections	5	2	0		0
	Claw affections		0	3		0
W13	Selected topics in small animal lameness	5	2	0	Formative quiz(self-learning)	0
	Clinical cases 1		0	3		0
W14	Clinical cases 2	5	2	0		0
	Clinical cases 3		0	3		0
W15	Practical exam					

5- Assessment timing and grading:

a- Assessment methods (summative and formative)

1. **Formative assessment**: including (weekly quizzes, homework assignments and surveys).
2. **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	7th week	15	15%
Formative assessment	Throughout semester	-	-
Practical exam	15th 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:

	Main reference	Student handbook
Learning resources	**Essential books (text books)**	• Pramod Kumar (2009) textbook of veterinary anesthesia. • Adam's Lameness in horse • E. R Frank. Veterinary Surgery • A.David Weaver (2005) Bovine Surgery. • Kirby I. Bland (2002) the Practice of General Surgery.
	Periodicals, Web sites,	• Journal of Veterinary Surgery.

	. . . etc	• American Journal of Veterinary Medical Association. • American Journal of Veterinary Research • Veterinary Record • www.ekb.eg
	Learning platform	Thinqi
supportive facilities	**Devices & instruments**	As listing in device guideline • 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 and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Types and diagnosis of lameness	**a1-a2-a3-a4**	**b1-b2-b3**	**c1-c2-c3**	**d1-d2-d3-d4**
Fore limb lameness	**a1-a2-a3-a4**	**b1-b2-b3-b4**	**c1-c2-c3-c4**	**d1-d2-d4**
Hind limb lameness	**a1-a2-a3-a4**	**b1-b2-b3-b4**	**c1-c2-c3-**	**d1-d2-d3**
Hoof affections	**a1-a2-a3**	**b1-b2 -b4**	**c1-c2- c4**	**d1-d2-d3-d4**
Claw affections	**a1-a2- a4**	**b1-b2- b4**	**c1-c2- c4**	**d1- d3-d4**
Selected topics in small animal lameness	**a1-a2-a3-a4**	**b1-b2-b3-b4**	**c1-c2-c3-c4**	**d1-d2-d3-d4**
Clinical cases	**a1-a2-a3**	**b1-b2-b4**	**c1-c2-c3-c4**	**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	√	√	√			√	

Intellectual skills	**b1**	√	√	√		√	√	√
	b2	√	√	√		√	√	√
	b3	√	√	√		√	√	√
	b4	√	√	√		√	√	√
Professional and practical skills	**c1**		√	√	√	√		√
	c2		√	√	√	√		√
	c3		√	√	√	√		√
	c4		√	√	√	√		√
Gene al 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	√	√	√		√
Intellectual skills	**4.4**	√	√	√		√
	b2	√	√	√		√
	b3	√	√	√		√
	b4	√	√	√		√
Professional and practical skills	**c1**	√			√	
	c2	√			√	
	c3	√			√	
	c4	√			√	
General skills	**d1**	√				
	d2	√				
	d3	√		√		
	d5	√				

Name and Signature Course Coordinator	Name and Signature Program Coordinator
Prof. Dr. Adel M Badawy	**Prof. Dr. Mahmoud Abouelroos**