

Specification for anatomy B 2025/2026

1-Basic information

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1.	Course title	Anatomy (B)							
2.	Course code	ANE-133							
3.	Department offering the	Anatomy and embryology							
J.	course								
4.	Number of hours	Theoretical	1	Practical	1(2)	Other	0	Total	2(3)
5.	Course Type	$\sqrt{ ext{Obligatory}}$	7	Elective					
6.	Level	1 st year							
7.	Semester	Spring semester							
8.	Academic program	Bachelor of Veterinary Medicine (BVM)							
9.	Faculty	Faculty of Veterinary medicine							
10.	University	Benha Unive	ersi	ty					
11.	Name of course	Prof. dr. Ah	me	d Abdel-Ra	ahman	Kassat)		
11.	coordinator								
12.	Course Specification	Faculty cound	cil/	27-8-2025					
14.	Approval Date								
	Course Specification	Department council/ 8/7/2025							
	Approval (Attach the								
13.	decision/minutes of the								
	department								
	/committee/council)								

2-Course overview

- Course contents written in the program bylaw:
- Male gentile system, female gentile system, general embryology, bones of the pelvic limb, dissection of the pelvic limb of horse, special arthrology of pelvic limb of horse and hoof anatomy.

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

		Course ILOS	
Code	Content	Code	Content
	Basic sciences of biology,	a1	Identify knowledge about
	chemistry, biophysics,		the anatomy of the male



Knowledge and understanding 2.3 terminology. 2.4 reminology. 2.5 terminology. 2.6 and terminology. 2.7 reminology. 2.8 reminology. 2.9 reminology. 2.0 reminology. 2.1 reminology. 2.1 reminology. 2.2 reminology. 3. reminology. 4.1 reminology. 3. reminology. 4.1			genetics, biostatics, computer		and famala ganital avetame
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A			terminology.	a2	
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				b6	Illustrate the anatomy of the
<u> </u>					-



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			c1	Dissect the pelvic limb.
			c2	Demonstrate the shape and
				position of the pelvic limb
				bones for the different
				domestic animals and hoof
				anatomy.
			c3	Explore comparison
Professional		Employ all the pained		between the pelvic limb
and practical	3.1	Employ all the gained		bones and joints for the
skills		knowledge and understanding in clinical practice in a		different domestic animals.
		skillful pattern.	c4	Explore the skills of the
		skiniui putterii.		comparative dissection for
				male and female genital
				systems of the different
				animal species.
			c5	Explore the skills for
				determination of the
				primordial origin of the
				different body systems and
	<i>F</i> 1	XX 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11	organs.
	5.1	Work under pressure and /	d1	Work under pressure during
General and	5.2	or contradictory conditions. Function in a	d2	anatomical lab cession
transferable	3.2	multidisciplinary team.	uz	Self-learning during anatomy lecture
skills	5.5	Search for new information	d3	Search for new information
SKIIIS	3.3	and technology as well as	us	about Veterinary anatomy.
		adopting life—long self-		about vetermary anatomy.
		learning.		
	5.6	Utilize computer and	d4	Utilize computer and
		internet skills.	· ·	internet skills, read paper
				via internet about
				Veterinary anatomy.
1	1	1		, , , , , , , , , , , , , , , , , , ,

4- Teaching and learning methods							
Lectures	V	Discussion & seminar	V	Practical	V		
Presentation & movies	√	Problem solving	V	Brain storming	√		
Others	Simulatio	n & Role play					



- Course contents:

	Scientific content of the	Expected number of the Learning Hours					
Number of the Week	course Topics)	Total Weekly hours	Theoretical teaching (lectures/disc ussion groups/)	Training (Practical/ Clinical/)	Self-learning (Tasks/ Assignments/ Projects/)	Other	
W1	Male genital system1	2(3)	2	0		0	
** 1	Bones of the pelvic limb		0	1(2)			
W2	Male genital system2	2(3)	2	0		0	
VV 2	Bones of the pelvic limb		0	1(2)			
W3	Male genital system3	2(3)	2	0	Formative	0	
W3	Bones of the pelvic limb		0	1(2)	quiz		
W4	Male genital system4	2(3)	2	0		0	
***	Hoof anatomy		0	1(2)			
	Female genital system1	2(3)	2	0		0	
W5	Dissection of the pelvic limb of horse		0	1(2)			
1116	Female genital system2	2(3)	2	0	Formative	0	
W6	Dissection of the pelvic limb of horse		0	1(2)	quiz		
W7	Semester work (one hour exam)						
W8	Female genital system3	2(3)	2	0		0	
VVO	Dissection of the pelvic limb of horse		0	1(2)			
W9	Female genital system4	2(3)	2	0	Formative quiz	0	
***	Dissection of the pelvic limb of horse		0	1(2)	quiz		
W10	General Embryology1	2(3)	2	0		0	
VV 1U	Dissection of the pelvic limb of horse		0	1(2)			
XX 711	General Embryology2	2(3)	2	0		0	
W11	Dissection of the pelvic limb of horse		0	1(2)			
W12	General Embryology3	2(3)	2	0	Formative	0	
	•	•	•	•			

	Dissection of the pelvic limb of horse		0	1(2)	quiz	of Oliver
11/12	General Embryology4	2(3)	2	0		0
W13	Special Arthrology of pelvic limb of horse		0	1(2)		
W14	General Embryology5	2(3)	2	0		0
,,,,,,	Comparative organs] [0	1(2)		
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 activities, semester work, practical exam, oral exams and final written exams).

b- Assessment schedule and weight

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Assessment method	Timing	Grade	Percent
Semester work including one	7 th week	10	10%
hour exam	/ Week	10	
Formative assessment	Through semester		
Practical exam	15 th 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 reference	Student handbook: Male genital system, Female genital system, General embryology, Dissection of the pelvic limb				
- Learning resources	Essential books (text books)	 H.E. Konig & H. G. Liebich (2020) veterinary anatomy of domestic mammals text book and colour atlas 7th Edition. Dyce, Sack and Wensing's (2018) Textbook of Veterinary Anatomy fifth edition. Klaus-Dieter Budras (2011) Bovine Anatomy G. E. Abdelhakim (2009) Atlas Anatomy of The Horse K.S. Roy (2009) foundation of veterinary embryology 				



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	Periodicals, Web sites, etc	 Thomas O. Mccracken (2008) color atlas of small animal anatomy: the essentials Course note Klaus-Dieter Budras (2011) Bovine Anatomy Thomas O. Mccracken (2008) color atlas of small animal anatomy: the essentials. Acta Anatomica. Equine Veterinary journal American Journal of Veterinary Anatomy American Journal of Veterinary Research Veterinary Record www.ekb.eg
	Learning	Thingi
	platform	
supportive	Devices &	1. Data show
facilities	instruments	2. White board
		3. Anatomy laboratory
		4. Phantoms and models for different organs and
		bones
		5. Carcasses for dissection and demonstration
		6. Anatomy museum or anatomy skill lab.
		7. Stereo Microscope
		8. Light Microscope

Matrices: A- Content and ILOs matrix:

B- Topic	A)	B)	C)	D)
	Knowledge	Intellectual	Professional and	General and
	and	skills	practical skills	transferable
	understanding			skills
Male genital	a1, a3	b5	c4	d1,d2,d3,d4
system				
Female genital	a1, a3	b5	c4	d1,d2,d3,d4
system				
General	a2	b4	c5	d1,d2,d3,d4
Embryology				
Bones of the	a4	b1	c2,c3	d1,d2,d3,d4
pelvic limb				
Dissection of the	a4	b2,b3	c1	d1,d2,d3,d4
pelvic limb of				

horse				
Special	a4	b1	c3	d1,d2,d3,d4
Arthrology of				
pelvic limb of				
horse				
Hoof Anatomy	a5	b6	c2	d1,d2,d3,d4

B- Teaching and learning methods:

B- Teaching and learning methods:												
		Teaching and										
ILOs		Learning method										
		L	P&M	D&S	P	Ps	Bs	S	Rp			
Intellectual skills and	a1	√				$\sqrt{}$		$\sqrt{}$	1 1			
	a2	√				$\sqrt{}$		$\sqrt{}$	$\sqrt{}$			
	a3	$\sqrt{}$		$\sqrt{}$		$\sqrt{}$		√	$\sqrt{}$			
	a4	√				$\sqrt{}$		$\sqrt{}$				
	a5	√				$\sqrt{}$		$\sqrt{}$	$\sqrt{}$			
	b1			V				$\sqrt{}$	√			
	b2			V				$\sqrt{}$				
ıal	b3	√						$\sqrt{}$				
ctı	b4		V	V				$\sqrt{}$				
elle	b5		V	V				$\sqrt{}$	√			
Int	b6	V	V	V				$\sqrt{}$	√			
al	c1								√			
tic	c2								√			
and practical	c3								√			
	c4								√			
	c5								√			
Jeneral	d1							$\sqrt{}$				
		$\sqrt{}$		V		V		$\sqrt{}$	$\sqrt{}$			
renera	d3								√			
7	d4					$\sqrt{}$	V	V	· ·			

L: Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars P: Practical Ps: Problem solving, Bs: Brain storming S: simulation Rp: role play C- Assessment methods and ILOs matrix:

ILOs	assessment method					
	Formative assessment	Semester work (1 hr exam)	oral	Practical	written	

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	a1		$\sqrt{}$			$\sqrt{}$
	a2		$\sqrt{}$			$\sqrt{}$
Knowledge	a3		$\sqrt{}$			$\sqrt{}$
and	a4		$\sqrt{}$			$\sqrt{}$
understanding	a5		$\sqrt{}$			V
	b1	V	$\sqrt{}$			V
	b2	V	$\sqrt{}$			V
	b3	V	$\sqrt{}$			V
Intellectual	b4	V	$\sqrt{}$			V
skills	b5	$\sqrt{}$	$\sqrt{}$			$\sqrt{}$
	b6	V				
	c1				√	
Professional	c2				√	
and practical	c3				$\sqrt{}$	
skills	c4				√	
	c5				√	
	d1	$\sqrt{}$		V		
General skills	d2	$\sqrt{}$				
	d3	$\sqrt{}$				
	d4	√				

-Course coordinator:

Prof. Dr. Ahmed Abdel-Rahman Kassab

Program coordinator: Prof. Dr. Mahmoud Abouelroos