

Specification for Management of animal, poultry and fish (B).2025/2026

1-Basic information

Course title	Management of Animal, poultry and fish (B)							
Course code	HVC.224							
Department/s participating in delivery of the course	Hygiene and veterinary management							
Number of units/credit hours	Theoretical	2	Practical	1(2)	Other	0	Total	3(4)
Course Type	Obligatory							
Academic level at which the course is taught	2 nd year							
Semester	Spring semester							
Academic program	Bachelor of Veterinary medicine (BVM)							
Faculty	Veterinary medicine							
University	Benha University							
Name of course coordinator	Prof. Dr. SAEED EL Laithy							
Course Specification Approval Date	Faculty council 27-8-2025							
Course Specification Approval (Attach the decision/minutes of the department /committee/council)	Department council/							

2-Course overview

- **Course contents written in the program bylaw:**
Animal & poultry management: introduction, management of equines, cattle and buffaloes, camel, sheep and goats, pet animal laboratory animals, fowl, water fowl and Turkey.

3- Course Learning Outcomes CLOs

(NARS)			Course ILOS	
	Code	Text	Code	Text
Knowledge and understanding	2.2	Basics of normal behavior, management, breeding, veterinary economics and health maintenance of domestic animals, laboratory animals, poultry, and fish.	a1	State the basics of management of domestic animals (horse, cattle, sheep, goat, camel, dog, cat, poultry, and fish).
			a2	Mention the principle of welfare, production and health maintenance of food producing animals and sporting animals.
			a3	Identify the basics of laws and ethical codes relevant to animals and food hygiene.
			a4	Outline animal welfare related to of high performance and productivity of the animal.
			a5	Describe which is going within the animal mind and understand the body language in order to fulfill all the reasonable useful requirements of the animals.
			a6	Summarize the actual etiological factors which can induce behavioral disorders or vice
			a7	Familiarize with handling and restraint of cat, dog, laboratory animals
			a8	Realize the proper management of poultry, cat, dog, laboratory animals which in turn will be reflected in the form of high performance of the animal and safety of the animal care stuff
	2.5	Principle of welfare, production and health maintenance of food producing and pet animals, sporting animals, wildlife , poultry and fish	a9	Enumerate the different management disorders of horse, cattle, sheep, goat, camel, dog, cat, poultry, and fish.
			a10	List freedoms of animals in order to avoid suffering and sustain fitness
			a11	Describe the environmental condition with different management of horse, cattle, sheep, goat, camel, dog, cat, poultry, and fish.
			b1	Assess the diagnosis of abnormal management in horse, cattle, buffalo, camel, sheep and goats camel, dog, cat, poultry, and fish.
			b2	Judge the body language of horse, cattle, buffalo, camel, sheep and goats camel, dog, cat, poultry, and

Intellectual skills	4.1	Foster critical thinking and scientific curiosity.		fish.
			b3	Design new housing system which permit animals to grew , mature reproduce and maintain good health
			b4	Develop new method for effective restraint of domestic animals
			b5	Create new methods to control and prevent disorders in horse, cattle, buffalo, camel, sheep, dog, cat, poultry and fish.
			b6	Invent new instruments and devices used for treatment of disorders in animals
			b7	Modify systems of management in order to obtain high performance
			b8	Assess and criticize , how data given in animal behavior are derived
Professional and practical skills	3.2	Safely, correctly and humanely restrain animals for examination.	b9	Analyze the body language of horse, cattle, buffalo, camel, sheep and goats camel, dog, cat, poultry, and fish. In order to fulfill the useful requirements of the animals
			c1	Employ all the gained knowledge and understanding in animal management in skillful pattern.
			c2	Restrain animals for examination safely , correctly and humanely.
			c3	Obtain the history of the case whether it is of an individual animal or a group of animals.
			c4	Perform physical examination of animals for signs of health
			c5	Write a report about soundness of animals
			c6	Write a certificate about imported and exported animals
			c7	Assess and advice about animal management and reproductive efficiency
			c8	Gain skillfully and appropriately use new information in the field of animal management.
			c9	Utilize appropriate safety procedures to protect clients and Co-workers
			c10	Scan the actual etiological factors which can induce behavioral disorders in animals
General and	5.1	Work under pressure and / or contradictory conditions.	d1	Work under pressure during lab session of behavior
	5.2	Function in a	d2	Communicate effectively with lab collage

transferable skills		multidisciplinary team.		
	5.3	Communicate appropriately verbally and non-verbally.	d3	Function in a multidisciplinary team during conducting a research paper.
	5.4	Organize and control tasks and resources.	d4	Manipulate and organize tasks

- Course Schedule:

Course Schedule:						
Number of the Week	Scientific content of the course (Course Topics)	Total Weekly Hours		Expected number of the Learning Hours		
			Theoreti cal teaching (lectures /discussi on groups/)	Training (Practical/ Clinical/)	Self-learnin g (Tasks/ Assign ments/ Project s/ ...)	Other (to be determi ned)
W1	General management, Gags	3 (4)	2	1 (2)	0	0
W2	General management, Muzzles	3 (4)	2	1 (2)	0	0
W3	Management of horse, Administration of drugs	3 (4)	2	1 (2)	Format ive Quiz	0
W4	Management of horse, Administration of drugs	3 (4)	2	1 (2)	0	0
W5	Management of cattle, Administration of drugs	3 (4)	2	1 (2)	0	0
W6	Management of cattle, Dentition	3 (4)	2	1 (2)	Format ive Quiz	0

W7	Semester work including 1hr exam					
W8	Management of sheep and goat, Dentition	3 (4)	2	1 (2)	0	0
W9	Management of sheep and goat, Dentition	3 (4)	2	1 (2)	0	0
W10	Management of camel, Signs of health	3 (4)	2	1 (2)	Formative Quiz	0
W11	Management dog, Signs of health	3 (4)	2	1 (2)	0	0
W12	Management of cat, Signs of health	3 (4)	2	1 (2)	0	0
W13	Management of poultry, Shoeing	3 (4)	2	1 (2)	Formative Quiz	0
W14	Management of fish, Body conformation and its defects	3 (4)	2	1 (2)	0	0
W15	Practical exam					

5- Methods of students' assessment

a- Assessment methods (summative and formative)

- Formative assessment:** including (weekly quizzes, homework assignments and surveys).
- Summative assessment** including (quizzes, class activities, 1hr exam, practical exam, oral exams and final written exams).

b- Assessment schedule and weight

Assessment method	Assessment Timing (Week Number)	Marks/ Scores	Percent Percentage of total course Marks
Semester work (1hr exam)	7 th week	10	10%
Formative assessment	Throughout the semester	-----	-----
Practical exam	15 th week	30	30%

oral exam	End of semester	10	10%
Written exam	End of semester	50	50%
Assignments / Project /Portfolio/ Logbook	-----	-----	-----
Field training	-----	-----	-----
Other (Mention)	-----	-----	-----
Total		100	100%

6- Learning resources and supportive facilities:

Learning resources	Main reference	Student handbook: A concise guide of animal and poultry behavior and management edited by staff members
	Essential books (text books)	<ul style="list-style-type: none"> • H. S. Gundevia (2009) Textbook of animal behavior • J. T. Schantz. (2008) a manual for laboratory animal management • E. O. Price (2008) principles & applications of domestic animal behavior • E. O. Price (2008) principles & applications of domestic animal behavior. • J. T. Schantz. (2008) a manual for laboratory animal management.
	Periodicals, Web sites, . . . etc	<ul style="list-style-type: none"> • Applied Animal Behaviour Science. • Veterinary Records. • www.ekb.eg
	Learning platform	Thinqi
supportive facilities	Devices & instruments	<p><u>Devices</u></p> <ul style="list-style-type: none"> - Egg incubator - Digital balance - Lux meter <p><u>Instruments</u></p> <ul style="list-style-type: none"> - Gags - Muzzles - Stomach tube

		- Automatic syringe - Drenching guns
	Others	1. Data show. 2. White board. 3. Dentition samples 4. Farm animal education 5. Laboratory animal unit. 6. Department laboratory

Matrices:

A- Content and ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
General management	a1, a5	b9	c1,c9,	d1
Management of horse	a5, a6, a8, a9, a10, a11	b1, b2, b5, b6, b8, b9	c3,c4,c5,c6, c7,c8,c9,c10,c11	d2 to d4
Management of cattle	a1, a2, a3, a4, a5, a6, , a8, a9, a10, a11	b1, b2, b3,b5, b6, b7, b8, b9	c5,c6,c7,c8,c9,c10,c11	d2 to d4
Management of camel	a1, a2, a3, a4, a5, a6, , a8, a9, a10, a11	b1, b2, b3,b5, b6, b7, b8, b9	c5,c6,c7,c8,c9,c10,c11	d2 to d4
Management of sheep & goat	a1, a2, a3, a4, a5, a6, , a8, a9, a10, a11	b1, b2, b3,b5, b6, b7, b8, b9	c5,c6,c7,c8,c9,c10,c11	d2 to d4
Management of dog and cat	a1, a2, a3, a4, a5, a6, , a8, a9, a10, a11	b1, b2, b3,b5, b6, b7, b8, b9	c5,c6,c7,c8,c9,c10,c11	d2 to d4
Management of poultry	a1, a2, a3, a4, a5, a6, , a8, a9, a10, a11	b1, b2, b3,b5, b6, b7, b8, b9	c5,c6,c7,c8,c9,c10,c11	d2 to d4
Management of fish	a1, a2, a3, a4, a5, a6, , a8, a9, a10, a11	b1, b2, b3,b5, b6, b7, b8, b9	c5,c6,c7,c8,c9,c10,c11	d2 to d4
Gags	a1, a5,a7	b1, b2	c1,c4,	d2 to d4
Muzzles	a7	b4	c2,c10	d2 to d4
Administration	a2,a8	b1	c8	d2 to d4

of drugs				
Dentition	a1, a2,a8	b1	c8	d2 to d4
Signs of health	a1, a2,a8	b1	c8	d2 to d4
shoeing	a1, a2,a8	b1	c8	d2 to d4
Body conformation and its defects	a1	b3	c3,c6,c7,	d2 to d4

B- Teaching and learning methods and ILOs matrix:

ILOs		Teaching and Learning method					
		L	P&M	D&S	P	Ps	Bs
Knowledge and understanding	a1	√	√	√	√	√	√
	a2	√	√	√	√	√	√
	a3	√	√	√	√	√	√
	a4	√	√	√	√	√	√
	a5	√	√	√	√	√	√
	a6	√	√	√	√	√	√
	a7	√	√	√	√	√	√
	a8	√	√	√	√	√	√
	a9	√	√	√	√	√	√
	a10	√	√	√	√	√	√
	a11	√	√	√	√	√	√
Intellectual skills	b1	√		√			
	b2	√		√			
	b3	√		√			
	b4	√		√			
	b5	√		√			
	b6	√		√			
	b7	√		√			
	b8	√		√			
	b9	√		√			
and practical	c1				√		√
	c2				√		√
	c3				√		√
	c4				√		√

	c5				√		√
	c6				√		√
	c7				√		√
	c8				√		√
	c9				√		√
	c10				√		√
	c11				√		√
General skills	d1						√
	d2						√
	d3						√
	d4						√

L :Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars P: Practical Ps: Problem solving, Bs: Brain storming

C- Assessment methods and ILOs matrix:

ILOs		assessment method				
		formative	Semester 1hr exam	Oral	practical	written
Knowledge and understanding	a1		√	√		√
	a2		√	√		√
	a3		√	√		√
	a4		√	√		√
	a5		√	√		√
	a6		√	√		√
	a7		√	√		√
	a8		√	√		√
	a9		√	√		√
	a10		√	√		√
	a11		√	√		√
Intellectual skills	b1	√	√	√		√
	b2	√	√	√		√
	b3	√	√	√		√
	b4	√	√	√		√
	b5	√	√	√		√
	b6	√	√	√		√
	b7	√	√	√		√
	b8	√	√	√		√

	b9	√	√	√		√
Professional and practical skills	c1				√	
	c2				√	
	c3				√	
	c4				√	
	c5				√	
	c6				√	
	c7				√	
	c8				√	
	c9				√	
	c10				√	
	c11				√	
General skills	d1	√		√		
	d2	√		√		
	d3	√		√		
	d4	√		√		

-Course coordinator: Prof. Dr. SAEED EL Laithy

-Program coordinator: Prof. Dr. Mahmoud Abouelroos