

Specification for Animal and Poultry Production (A) 2025/2026

1-Basic information

Course title	Animal and poultry production (A)							
Course code	AWD.215							
Department offering the course	Animal Wealth Development							
Level	2 nd year							
Semester	Fall							
Number of units/credit hours	Theoretical	1	Practical	1(2)	Other	0	Total	2(3)
Course Type	√ Obligatory Elective							
Academic program	Bachelor of Veterinary Medicine (BVM)							
University	Benha University							
Faculty	Veterinary medicine							
Name of course coordinator	Prof Dr. sherif Ramadan							
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 and Fish production: Dairy industry; Essentials for profitable dairy farm; reproductive performance; lactation ; rearing calves & heifers; herd replacement and culling; herd health program; the commercial cow-calf producer; growth and development in beef cattle, carcass characteristics and factors affecting meat quality, beef production system; establishing the flock of sheep & Goats; wool and mohair production system of sheep and goat production; Management of commercial poultry breeders; light regime for open and closed poultry house system; principles of quail & ostrich production; Duck, Gees and Turkey production; Rabbit production; fish production.

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

(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 aquatic	a1	Describe basics knowledge about Animal Production.
	2.5	Principle of welfare, production and health maintenance of food producing and pet animals, sporting animals, wildlife , poultry and fish	a2	Identify basis of the establishing different animal production projects as dairy, beef and sheep projects.
			a3	Explain basis of the establishing animal farms and projects
Intellectual skills	4.3.	Inculcate a rigorous approach to problem identification and solving.	b1	Manage different types of animal projects
			b2	Evaluate the efficiency of dairy, beef, sheep projects.
			b3	Design an animal enterprise and factors must be put in their considerations
Professional and practical	3.7.	Assess and advise about animal management, nutrition under conditions of health and disease, and reproductive efficiency.	c1	Make feasibility studies to different animal

skills				projects.
	3.8.	Skillfully and appropriately gain and use new information remain current with the emerging biomedical knowledge and therapeutic options.	c2	Deal with land, money, animal and equipment.
			c3	Follow up the dairy, beef, sheep activities in production farms.
			c4	Improve the performance of dairy, beef, sheep projects
General skills	D			
	5.1	Work under pressure and / or contradictory conditions.	d1	Work under pressure during lab session
	5.2	Function in a multidisciplinary team.	d2	Can work in team manner
	5.3	Communicate appropriately verbally and non-verbally.	d3	Communicate effectively with lab collage
	5.4	Organize and control tasks and resources	d4	Manipulate and organize tasks
	5.5	Search for new information and technology as well as adopt life-long self learning ethics.	d5	Search for new information and technology
	5.6	Utilize computer and internet skills.	d6	Utilize computer and internet skills

4- Teaching and learning methods

Lectures	√	Discussion & seminar	√	Practical	√
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Presentation & movies	√	Problem solving	√	Brain storming	√
Others	Field visits				

- Course Schedule:

Number of the Week	Scientific content of the course (Course Topics)	Total Weekly Hours	Expected number of the Learning Hours			
			Theoretical teaching (lectures/discussion groups/.....)	Training (Practical/Clinical/.....)	Self-learning (Tasks/Assignments/Projects / ...)	Other (to be determined)
W1	Reproductive Performance_1 (Zoological Classification of Animals.)	2(3)	1	1(2)		0
W2	Reproductive Performance_2 (Selecting And Judging Dairy Cattle.)	2(3)	1	1(2)		0
W3	Reproductive Performance_3 (Selecting And Judging Dairy Cattle 2)	2(3)	1	1(2)	Formative quiz	0
W4	Manipulation of Lactation and factors affecting yield and composition of milk_1 (Body Condition Scores Of Dairy Cattle)	2(3)	1	1(2)		0
W5	Manipulation of Lactation and factors affecting yield and composition of milk_2 (Lactation: Mammary Gland Structure And Milk Secretion.)	2(3)	1	1(2)		0
W6	Herd Replacement and culling (Lactation: Milking And Milking Machine.)	2(3)	1	1(2)	Formative quiz	0
W7	Semester work including 1hr exam	-----				
W8	Dry Cow Management_1 (The Major Breeds Of Dairy Cattle_1)	2(3)	1	1(2)		0

W9	Dry Cow Management_2 (The Major Breeds Of Dairy Cattle_2)	2(3)	2	1(2)		0
W10	Beef Cattle Production (The Major Breeds Of Beef Cattle 1)	2(3)	1	1(2)	Formative quiz	0
W11	Beef Cattle Production (The Major Breeds Of Beef Cattle 2)	2(3)	1	1(2)		0
W12	Sheep and goat Production (Types and breeds Of Sheep and Goats)	2(3)	1	1(2)		0
W13	Sheep and goat Production (Poultry classification)	2(3)	1	1(2)		0
W14	Poultry Production (Artificial incubation)	2(3)	1	1(2)	Formative quiz	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 activities, 1hr exam, practical exam, oral exams and final written exams).

b- Assessment schedule and weight

Assessment method	Timing	Grade	Percent
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:

	Main reference	Student handbook: A concise guide of Animal Production and Breeding edited by animal
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Learning resources		production members
	Essential books (text books)	<ul style="list-style-type: none"> • Robert E. Taylor (2013) Scientific Farm Animal Production : An Introduction To Animal Science • Amarjeet Singh (2008) Animal Husbandry. • Juho Kyntaja S (2007) Breeding , Production Recording Health And The Evaluation Of Farm Animals • Smith,G.(1998): Genetic improvement of cattle and sheep. Farming. • Robert E. Taylor (2013) Scientific Farm Animal Production : An Introduction To Animal Science • Juho Kyntaja S (2007) Breeding, Production Recording Health And The Evaluation Of Farm Animals.
	Periodicals, Web sites, . . . etc	<ul style="list-style-type: none"> • Benha Veterinary Medical journal. • (Egyptian Veterinary Medical association. • Zagazig Veterinary journal • Indian veterinary journal • www.ekb.eg
	Learning platform	Thinqi
supportive facilities	Devices & instruments	Devices: <ul style="list-style-type: none"> • Thermal cyclcer • Laminar Air Flow • Vortex • Microscope • Centrifuge • Automatic Egg Incubator • Microbiological Incubator • Magnetic stirrer • Water Distillator • Horizontal Electrophoresis • Vertical Electrophoresis • Ordinary Centrifuge

		<ul style="list-style-type: none"> • Water bath • Digital balance • Microwave • Instruments: • Slides • Cover slides • Jars • Pipettes
		<ol style="list-style-type: none"> 1. Data show. 2. White board. 3. Department laboratory 4. Faculty education farm. 5. Faculty of agriculture farms 6. Central 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
Reproductive Performance	a1, a2	b1, b2,b3	c1, c2	d1,d5
Manipulation of Lactation and Factors affecting Yield and Composition of milk.	a1, a2	b1, b2	c3, c4	d1,d2,d3
Herd Replacement and Culling	a1, a2	b1	c1, c3, c4	d1,d2
Dry Cow Management	a2	b1, b3	c2 , c3	d2,d3,d4
Beef Cattle Production	a2	b1, b2	c3, c4	d1,d2,d3
Sheep and goat Production	a1, a2	b1, b2	c2 , c3, c4	d2,d3,d6
Poultry Production	a2	b1, b3	c3, c4	d1,d2,d3
basis of the establishing animal farms and projects	a3	b3	c3,c4	d1,d2,d3

B- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods
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		L	P&M	D	P	Ps	Bs	FV
Knowledge and understanding	a1							√
	a2							√
	a3							√
Intellectual skills	b1							
	b2			√				
	b3			√				
Professional and practical skills	c1	√			√			
	c2	√			√			
	c3	√			√			
	c4	√			√			
General skills	d1		√					
	d2	√		√		√	√	√
	d3	√	√	√		√	√	
	d4	√	√	√		√	√	
	d5	√	√	√		√	√	
	d6	√	√	√		√	√	

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

C- Assessment methods and ILOS:

ILOS		assessment method				
		formative	Semester 1hr exam	oral	practical	Written
Knowledge and understanding	a1		√	√		√
	a2		√	√		√
	a3		√	√		√
Intellectual skills	b1	√	√	√		√
	b2	√	√	√		√
	b3	√	√	√		√
Professional and practical skills	c1				√	
	c2				√	
	c3				√	
	c4				√	
General skills	d1	√		√		
	d2	√		√		
	d3	√		√		
	d4	√		√		
	d5	√		√		
	d6	√		√		

Course coordinator: Prof Dr. Sherif Ramadan

Head of department: Prof Dr. Sherif Ramadan

-Program coordinator: Prof. Dr. Mahmoud Abouelroos

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