



## COURSE SPECIFICATION

(2024 / 2025)

### Animal and Poultry Production (A)

#### 1 - Basic Information:

Code number: 70501

Course title: **Animal and Poultry Production (A)**

Department: **Animal Wealth Development**

Academic Year: 2<sup>nd</sup> level 1<sup>st</sup> semester of B. V. M. Program

Total teaching hours: 45 credit hrs

- Lectures: 30 hrs (2 credit hour/week)
- Practical/small group sessions: 2 h/w (1 credit hour/week)

#### 2 - OVERALL AIMS OF THE COURSE:

At the end of this course, students should gain the basic concepts, principles and the essential practical skills in the field of Dairy, Beef, Sheep, and Goat production.

#### 3 - INTENDED LEARNING OUTCOMES (I.L.Os.):

##### 3-A: KNOWLEDGE and UNDERSTANDING:

*By the end of the course, students should be able to:*

- a1. Explain the measures of reproductive efficiency and management of heat detection in dairy cattle and the principles of judging dairy cattle
- a2. Define lactation curve and review factors affecting milk yield and management of dry cow
- a3. Review factors affecting efficiency of beef cattle and systems of beef cattle production
- a4. Specify the requirements, breeding and production characteristics of efficient sheep and goat flocks.

### **3-B: INTELLECTUAL SKILLS:**

***By the end of the course, students should be able to:***

- b1.** discriminate reasons and sources of production inefficiency in Dairy, Beef, Sheep, and Goat.
- b2.** interpret farm summaries and efficiency indices for herd/flock evaluation and enhancement.
- b3.** modify management and breeding schedules in response to emerging and unexpected problems.
- b4.** propose production and breeding systems to animal owners relevant to the socio–economics and resource availability.
- b5-** Manipulate the development in animal production into practical needs.

### **3-C: PRACTICAL AND PROFESSIONAL SKILLS:**

***By the end of the course, students should be able to:***

- c1.** Collect farm data for production/reproduction efficiency assessment.
- c2.** Calculate efficiency indices from current and retrospective performance data.
- c3.** Apply sound management practices to newborn, growing and mature animals.
- c4-** Design system of mating appropriate for different production systems.
- c5-** Select breeds and parents for genetic improvement according to the pre–set breeding goals.

### **3-D: GENERAL AND TRANSFERABLE SKILLS:**

***By the end of studying the course, the graduate should be able to:***

- d1-** Coach and work in a multidisciplinary team.
- d2-** Organize and control tasks and resources.
- d3-** Utilize computer and internet skills.
- d4-** Search the web and collect information to build up a review.
- d5-** Communicate with professional and discussion groups and colleagues.

## 4 - COURSE CONTENTS:

Topic	No. of Hours	Lecture	Practical
Introduction	1	1	--
Dairy production	24	16	8
Beef production	12	8	4
Sheep and Goat production	8	5	3
<b>Total</b>	<b>45</b>	<b>30</b>	<b>15</b>

## 5 - TEACHING & LEARNING METHODS:

- 5.1- Advanced lectures
- 5.2- Discussion and class activities
- 5.3- Information collection from the internet and text books
- 5.4- Practical sessions
- 5.5- Making individual reports about Sheep, Goat, Beef cattle and dairy operations.
- 5.6- Field trips to a well-known and respected Sheep, Goat, Beef cattle and dairy operations.

Teaching and Learning Methods	Intended Learning Outcomes Covered			
	KU	IS	PPS	GTS
1-Advanced lectures	a1 to a4	b1, b2, b4, b5		d1, d3, d5
2- Discussion and class activities		b1 to b5		d2 to d5
3- Information collection		b3		d3, d4
4- practical sessions			c1 to c5	
5- Making individual reports about Sheep, Goat and dairy operations.		b3, b4, b5		d1, d3, d5
6- Field trips		b3, b4, b5		d1, d3, d5

- **During the Corona pandemic**, emphasis was placed on following precautionary measures such as social distancing, wearing a face mask and gloves, and using disinfectants. Also, if there is a case of infection among students, faculty members, or their contacts with infected people, they are prevented from attending until the end of the isolation period to ensure that the epidemic does not spread among students.

**Lectures:** The students will be subdivided into groups. The onsite lectures will be given for each group beside online lectures. Teaching tools include Data show, overhead projector and blackboard and online videos.

**Practical:** Students are divided into 8 groups, each group in one session (two hours / week). The students practice demand, supply and elasticity problem solving. Teaching tools include Data show, overhead projector and whiteboard.

## 6 - METHODS FOR STUDENTS With limited capabilities:

No disabled students until now, but if present the methods are:

- Activation of office hours .
- Discussion with them during practical session.

## 7 - STUDENT ASSESSMENT:

A-Assessments methods	B-Time of Assessments	C-Allocated Mark			
Semester work	After the 4 <sup>th</sup> week and 8 <sup>th</sup> Week of the Semester	10			
Mid-Term exam	After the 6 <sup>th</sup> week of the Semester	10			
Practical exam	By the end of the Semester	20			
Oral Exam	By the end of the Semester	10			
Written exam	By the end of the Semester	50			
<b>Total</b>		<b>100</b>			
Method	Matrix alignment of the measured ILOs/ Assessments methods				
	K&U (a)	I.S (b)	P&P.S (c)	G.S (d)	
Semester works	1, 2	1,2	---	1,2,3,4	
Practical exam	-----	1-5	1-5	1,2,3,4	
Oral Exam	1-3	1-5	---	1,2,3,4	
Written exam	1-3	1-5	---	---	



## **8- LEARNING AND REFERENCE MATERIALS:**

### **8-1: BASIC MATERIALS:**

- **Department notes.** A Concise Guide to Animal and Poultry Production (A).

### **8-2: Recommended books:**

- Phillips, C.J.C. (2019) Principle of Cattle Production. CAB International Wallingford, Oxon Ox10 8De, UK.
- 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.

### **8.3: web sites and journals ....and so on**

- Damanhour Journal of Veterinary Sciences.
- Alexandria Journal of Veterinary Sciences.
- International Veterinary Information Services (IVIS).
- Vet.net.com
- [WWW.scienceDirect.com](http://WWW.scienceDirect.com)
- Pub med.
- Google search
- Wikipedia
- <https://www.ekb.eg/ar>

**Course Coordinator**

**Head of Department**

**Prof. Dr. Abdelgawad Salah El-Tahawy**

*Approval date:*



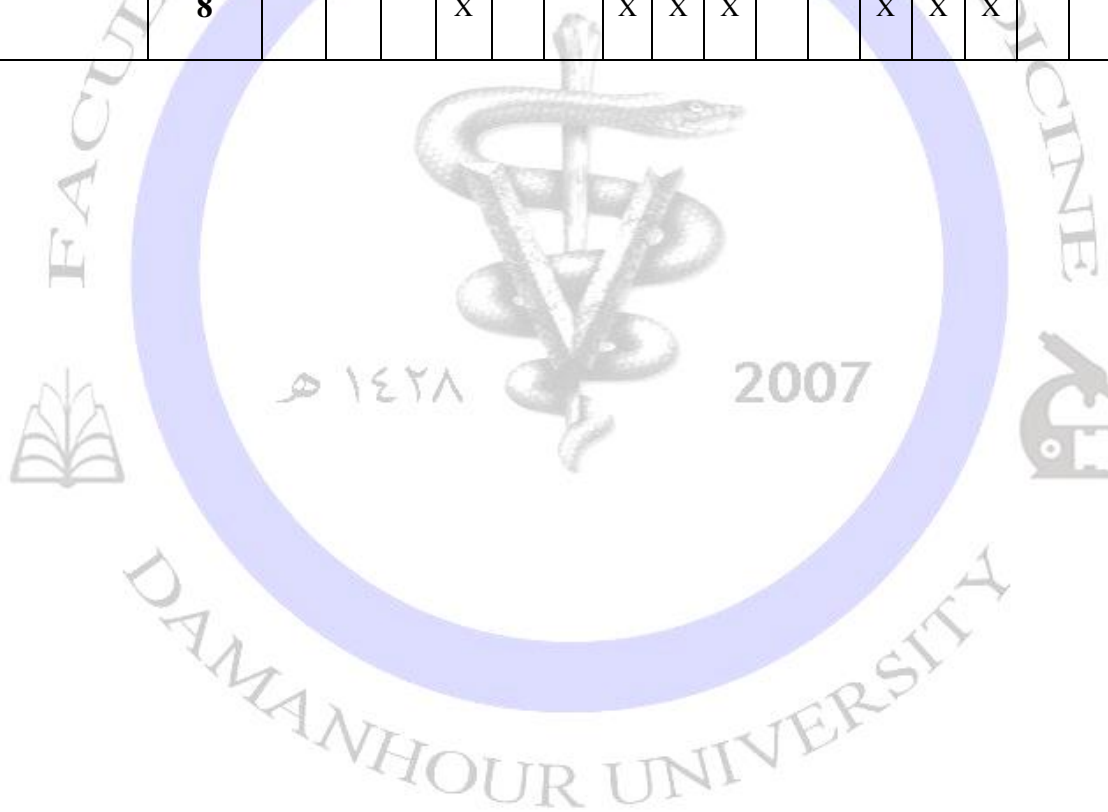
رؤية كلية الطب البيطري  
تسعى كلية الطب البيطري بدمنهور أن تكون ذات ميزة تنافسية في التعليم البيطري و التشخيص المعمل  
المرجعي و الأنشطة البحثية لمجابهة المشكلات المجتمعية و البيئية متوافقا مع رؤية جامعة دمنهور في دقة  
الاداء و جودة المخرجات و التطوير المستمر نحو الأفضل.

جامعة دمنهور  
Damanhour University



### Course Matrix for achievement of Intended Learning Outcomes

	Topics	Hours	Knowledge & Understanding						Intellectual Skills					Practical & Professional Skills					General & Transferable Skills					
			1	2	3	4	5	6	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	
1	Introduction	1	X																					
2	Dairy production	24	X	X					X	X	X				X	X	X			X	X	X	X	X
3	Beef production	12			X				X					X	X	X	X	X	X	X				
3	Sheep and Goat production	8				X			X	X	X				X	X	X			X	X	X	X	X



#### رسالة كلية الطب البيطري

تهدف كلية الطب البيطري إلى إمداد سوق العمل المحلي و الإقليمي بأطباء بيطريين و باحثين مؤهلين علمياً و مهارياً من خلال برامج تعليمية مميزة لتنمية الثروة الحيوانية و السمكية و الداجنة و تلبية احتياجات المجتمع من الغذاء الأمن و الحد من إنتشار الأمراض المعدية و المشتركة لدعم خطط التنمية المستدامة وفقاً لرؤية مصر 2030.