

## Specification for animal and poultry production course 2019/2020

### A-Affiliation

1.	Relevant program	Bachelor of Veterinary Medical Science (BVMSc)
2.	Department offering the course	Animal Wealth Development

**Date of specification approval:** ministerial decree No. 1727 on 26/4/2017  
(Approved in this template by the department council on 1/10/2019)

### B-Basic information

1.	Course title	Animal and poultry production
2.	Course code	206 (A) I
3.	Level	2 <sup>nd</sup> year
4.	Semester	First semester
5.	Total hours	3
6.	Lecture hours	1
7.	Practical hours	2

### C-Professional Information

#### 1- Course learning objectives

The aim of the course is to provide the students with a basic education in the field of animal production and to enable them to gain the skills and attitudes required for the successful management of animal farms.

#### 2- Intended learning outcomes of the course (ILOs):

##### a- Knowledge and understanding

After successful completion of the course the students should be able to:

- a1- Describe basics knowledge about Animal Production.
- 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.

##### b- Intellectual skills

After successful completion of the course the students should be able to:

- 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

##### c- Professional and practical skills

After successful completion of the course the students should be able to:

- c1- Make feasibility studies to different animal projects.
- 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.

#### d- General and transferable skills

After successful completion of the course the students should have the following skills

d1- Demonstrate communication, teamwork and problem solving skills.

d2- Search skill.

d3- Organize tasks and resources.

### 3- Course contribution in the program ILOs:

Course ILOS	Program ILOS
A <b>Knowledge and understanding</b>	a <sup>11</sup>
B <b>Intellectual skills</b>	b <sup>11</sup>
C <b>Professional and practical skills</b>	c <sup>7</sup>
D <b>General and transferable skills</b>	d <sup>1, 3,4,6</sup>

#### 3.1- Course contents:

Topic	Lecture hours	Practical hours
Dairy Industry and Essentials of Establishing a Profitable Dairy Farm	3	–
Reproductive Performance	3	–
Lactation: Manipulation of Lactation and Factors affecting Yield and Composition of milk.	3	–
Herd Replacement and Culling	1	–
Herd Health Program	2	–
Dry Cow Management	2	–
Calf Rearing Systems	1	–
Zoological Classification of Animals.	–	2
Selecting And Judging Dairy Cattle.	–	4
Body Condition Scores Of Dairy Cattle.	–	2
The Major Breeds Of Dairy Cattle.	–	4
Lactation: Mammary Gland Structure And Milk Secretion.	–	4
Lactation: Milking And Milking Machine.	–	4
Correction Of Records For Non Genetic Factors And Breeding Value Of Cows.	–	4
The Major Breeds Of Beef Cattle.	–	3
Types And Breeds Of Sheep And Goats.	–	3
Total	15	30

**The midterm and practical exams are included during the semester**

#### 3.2- ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Dairy Industry and Essentials of Establishing a Profitable Dairy Farm	<b>a1, a2</b>	<b>b1, b2,b3</b>	<b>c1, c2 , c3, c4</b>	d1,d2,d3
Reproductive Performance	<b>a1, a2</b>	<b>b1, b2</b>	<b>c3, c4</b>	d1,d2,d3
Lactation: Manipulation of Lactation and Factors affecting Yield and Composition of milk.	<b>a1, a2</b>	<b>b1</b>	<b>c1, c3, c4</b>	d1,d2,d3
Herd Replacement and Culling	<b>a2</b>	<b>b1, b3</b>	<b>c2 , c3, c4</b>	d1,d2,d3
Herd Health Program	<b>a2</b>	<b>b1, b2</b>	<b>c3, c4</b>	d1,d2,d3
Dry Cow Management	<b>a1, a2</b>	<b>b1, b2</b>	<b>c2 , c3, c4</b>	d1,d2,d3
Calf Rearing Systems	<b>a2</b>	<b>b1, b3</b>	<b>c2 , c3, c4</b>	d1,d2,d3
Poultry Production	<b>a3</b>	<b>b2</b>	<b>c3, c4</b>	d1,d2,d3
Zoological Classification of Animals.	<b>a1</b>	<b>b2</b>	<b>c2</b>	d1,d2,d3
Selecting And Judging Dairy Cattle.	<b>a2</b>	<b>b1, b2,b3</b>	<b>c2 , c3, c4</b>	d1,d2,d3
Body Condition Scores Of Dairy Cattle.	<b>a2</b>	<b>b2</b>	<b>c2 , c3, c4</b>	d1,d2,d3
The Major Breeds Of Dairy Cattle.	<b>a1, a2</b>	<b>b2,b3</b>	<b>c1, c2 , c3, c4</b>	d1,d2,d3
Lactation: Mammary Gland Structure And Milk Secretion.	<b>a2</b>	<b>b2</b>	<b>c2 , c3, c4</b>	d1,d2,d3
Lactation: Milking And Milking Machine.	<b>a2</b>	<b>b1, b2,b3</b>	<b>c1, c2</b>	d1,d2,d3

Correction Of Records For Non Genetic Factors And Breeding Value Of Cows.	a2	b2	c3	d1,d2,d3
The Major Breeds Of Beef Cattle.	a1, a2	b2,b3	c1, c2 , c3, c4	d1,d2,d3
Types And Breeds Of Sheep And Goats.	a1, a2	b2,b3	c3, c4	d1,d2,d3

#### 4- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods								assessment method				
	L	P&M	D	P	Ps	Bs	FV	semester	midterm	oral	practical	written	
Intercultural understanding	a1	x	x	x	0		x	0	x	x	x	0	x
	a2	x	x	x	0		x	0	x	x	x	0	x
	a3	x	x	x	0		x	0	x	0	x	0	x
Interpersonal skills	b1	x	x	x	0	x	x	x	x	x	x	0	x
	b2	x	x	x	0	x	x	x	x	x	x	0	x
	b3	x	x	x	0	x	x	x	x		x	0	x
Practical and theoretical	c1	0	x	0	x	x	0	x	x	0	x	x	0
	c2	0	x	0	x	x	0	x	x	0	x	x	0
	c3	0	x	0	x	x	0	x	x	0	x	x	0
	c4	0	x	0	x	x	0	x	x	0	x	x	0
General skills	d1	x	0	x	0	x	x	x	x	0	x	0	0
	d2	0	x	0	0	x	x	0	x	0	x	0	x
	d3	0	0	0	x	0	0	x	x	0	x	0	0

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

#### 5- Assessment timing and grading:

Assessment method	timing	grade
Mid-term exam and semester work	6 <sup>th</sup> week	15
Practical exam	14 <sup>th</sup> week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

#### 6- List of references

##### 6.1- Course notes:

A concise guide of Animal Production and Breeding edited by animal production members

##### 6.2- Essential books (text books)

- 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.

#### 6.3- Recommended books

- **Course note.**
- 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.

#### 6.4- Periodicals, Web sites, . . . etc

- Banha Veterinary Medical journal.  
(Egyptian Veterinary Medical association.
- Zagazig Veterinary journal
- Indian veterinary journal
- [www.ekb.eg](http://www.ekb.eg)

#### 7- Facilities required for teaching and learning

- 1- Data show.
- 2- White board.
- 3- Department laboratory
- 4- Faculty education farm.
- 5- Faculty of agriculture farms
- 6- Central laboratory

**Course coordinator: Prof Dr. SHERIEF RAMDAN**

**Head of department DR. EMAN RAMDAN**

Signature .....

**Date 1/10/2019**