Animal and Poultry Production

Benha University **Faculty of Veterinary Medicine**

Course Specifications

Program on which the course is given: **Bachelor of Veterinary Medical Science**
Department offering the course: **Department of Animal Wealth Development**
Academic year / Level: **Third Year, 1st semseter**

Date of specification approval: Ministerial decree No. 921 on 15/ 9/ 1987
Date of Dept approval: 9-٩-201٠

A- Basic Information

Title: Animal and Poultry Production **Code: Vet 00637**
Lecture: 3 hours /week
Practical: 2 hours/week
Total: 5 hours/week

B- Professional Information

1 – Overall Aims of the Course:

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 and poultry 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- Recognize basis of the establishing different animal production projects as dairy, beef and sheep projects.
a3- Explain basis of the establishing poultry 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 and poultry 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 equipments.
c3- Follow up the dairy, beef, sheep and poultry activities in production farms.
c4- Improve the performance of dairy, beef, sheep and poultry projects.

d-General and Transferable Skills

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

d1- Be a successful member in a production team.

d2- Make Presentation of a scientific study and case reports.

d3- Use Scientific production terms.

3- Contents

Topic	No. of hours	Lecture	Practical
Dairy Industry and Essentials of Establishing a Profitable Dairy Farm	9	9	_
Reproductive Performance	12	12	_
Lactation: Manipulation of Lactation and Factors affecting Yield and Composition of milk.	9	9	_
Herd Replacement and Culling	3	3	_
Herd Health Program	3	3	_
Dry Cow Management	3	3	_
Calf Rearing Systems	3	3	_
Poultry Production	3	3	_
Zoological Classification of Animals.	2	_	2
Selecting And Judging Dairy Cattle.	4	_	4
Body Condition Scores Of Dairy Cattle.	2	_	2
The Major Breeds Of Dairy Cattle.	4	_	4
Lactation: Mammary Gland Structure And Milk Secretion.	2	_	2
Lactation: Milking And Milking Machine.	2	_	2
Correction Of Records For Non Genetic Factors And Breeding Value Of Cows.	2	_	2
The Major Breeds Of Beef Cattle.	4	_	4
Types And Breeds Of Sheep And Goats.	4	_	4
Poultry classification	2	_	2
Artificial incubation	2	_	2
Total	75	45	30

4- content-ILOs matrix

Content	**ILOs**			
	Knowledge and understanding	**Intellectual**	**Professional and practical**	**General and transferable**
Dairy Industry and Essentials of Establishing a Profitable Dairy Farm	**a1, a2**	**b1, b2,b3**	**c1, c2 , c3, c4**	**d1**
Reproductive Performance	**a1, a2**	**b1, b2**	**c3, c4**	**d1, d٣**
Lactation: Manipulation of Lactation and Factors affecting Yield and Composition of milk.	**a1, a2**	**b1**	**c1, c3, c4**	**d1, d2**
Herd Replacement and Culling	**a2**	**b1, b3**	**c2 , c3, c4**	**d1, d2**
Herd Health Program	**a2**	**b1, b2**	**c3, c4**	**d1, d2**
Dry Cow Management	**a1, a2**	**b1, b2**	**c2 , c3, c4**	**d1, d2**
Calf Rearing Systems	**a2**	**b1, b3**	**c2 , c3, c4**	**d1**
Poultry Production	**a3**	**b2**	**c3, c4**	**d٣**
Zoological Classification of Animals.	**a1**	**b2**	**c2**	**d٣**
Selecting And Judging Dairy Cattle.	**a2**	**b1, b2,b3**	**c2 , c3, c4**	**d1**
Body Condition Scores Of Dairy Cattle.	**a2**	**b2**	**c2 , c3, c4**	**d1**
The Major Breeds Of Dairy Cattle.	**a1, a2**	**b2,b3**	**c1, c2 , c3, c4**	**d1**
Lactation: Mammary Gland Structure And Milk Secretion.	**a2**	**b2**	**c2 , c3, c4**	**d2**
Lactation: Milking And Milking Machine.	**a2**	**b1, b2,b3**	**c1, c2**	**d2**
Correction Of Records For Non Genetic Factors And Breeding Value Of Cows.	**a2**	**b2**	**c3**	**d1**
The Major Breeds Of Beef Cattle.	**a1, a2**	**b2,b3**	**c1, c2 , c3, c4**	**d1**
Types And Breeds Of Sheep And Goats.	**a1, a2**	**b2,b3**	**c3, c4**	**d1**
Poultry classification	**a3**	**b2**	**c3, c4**	**d٣**
Artificial incubation	**a3**	**b2**	**c3, c4**	**d2**

5- Assessment-ILOS matrix

Assessment	ILOs			
	Knowledge and understanding	**Intellectual**	**Professional and practical**	**General and transferable**
Mid – Term exam	**a1, a2**	**b1, b2,b3**		
Practical exam	**a1, a2**	**b1, b2,b3**	**c1, c2 , c3, c4**	
Oral exam	**a1, a2, a٣**	**b1, b2**		**d1, d٢ d٣**
Final term exam	**a1, a2, a٣**	**b1, b2,b3**	**c1, c2 , c3, c4**	
Assignments and research				

6– Teaching and Learning Methods

4.1- Visits for animal production farms.
4.2- Visits for the Faculty farm.
4.3- CD's, slides and video tapes.
4.4- Making articles and reports

7- Student Assessment Methods

5.1 Practical exam to assess professional and practical skills.
5.2 Oral exam to assess knowledge and information and intellectual skills.
5.3 Written exam to assess knowledge, information and intellectual skills.
5.4 Semester work (assignments) to assess management of clinical cases.

Assessment Schedule

Assessment 1	Semester Work	Week 6
Assessment 2	Practical Examination	Week 13
Assessment 3	Oral Examination	Week 15
Assessment 4	Final Examination	Week 15

Weighing of Assessments

Mid-Term Examination	10	%
Final-term Examination	50	%
Oral Examination.	10	%
Practical Examination	20	%
Semester Work	10	%
Other types of assessment		%
Total		100%

8- List of References:

6.1- Course Notes:

A concise guide of Animal Production and Breeding

6.2- Essential Books (Text Books):

1- Animal Breeding and Infertility: Michelle J. Meredith.
2- Dairy Cattle: Principles, Practices, Problems, Profits, 3rd ed.1985, Richard C. Folley, Donald L. Bath, Frank N. Dickinson H. Allen Tucker, by Lea and Febiger. Philadelphia U.S.A
3- Indoor Beef Production, Ron Hardy and Sam Meadow croft
4-Sheep Production, Owen, J.B. Bailliere, Tindall. London
5-Raising Poultry the modern way, 1983, Leonards, Mercia
6- Poultry Production thirteen edition: Richard, E. Austic

6.3- Recommended Books

(Name, author-edition – year)

1- Genetic and Breeding of Farm Animals: D. P. Mukherjee., G. C. Banerjee
2- A Veterinary Book for Dairy Farmers , 2nd ed., 1996: R.W.Blowey.
3-Dairy farm Business Management: Ken Slater.S. Gordan.
4-Beef production, Management Decisions fourth Edition 2003:Thomas G.Field, Robert.E,Taylor.
5- Poultry health and management Second Edition 1984: David Sainsbury.

6.4- Periodicals, Web Sites, … etc

Banha Veterinary Medical journal
Zagazig Veterinary journal
Assuit Veterinary Medical journal
Indian veterinary journal
Egyptian Veterinary Medical association

9- Facilities Required for Teaching and Learning

The Faculty farm.
Visits to different animal production projects.
Data show and computer lab.

Course Coordinator:

Prof Dr. Khairy Mohamed El-Baiomy

Head of the Department:

Prof. Dr. Gamal Abdel-Rehem Sosa

Date: