



## COURSE SPECIFICATION

(2016 / 2017)

### 1 - Basic Information:

**Course title:** Veterinary Economy and Farm Management

**Academic Year:** *The Second year of B. V. Sc. Program*

**Total teaching hours:** 60. hrs

- **Lectures:** 30 hrs

- **Practical:** small group sessions: 30 hrs

### 2 - OVERALL AIMS OF THE COURSE:

**Help the student to understand:**

- Principles of veterinary economics and marketing animal products.
- Animal farm management and the feasibility study of different animal projects.
- Judging efficiency of farm animals and the economic justification of diseases control.

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

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

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

- A1- Identify the principles of micro and macro-economic.
- A2- Recognize principles and practices of marketing of animal products.
- A3- Describe relationships between farm animals and maximize the efficiency of animal farms.
- A4- Explain feasibility study, depreciation of farm animals and management of animal farms and their records.
- A5- Illustrate the economic benefits of diseases control and its programs .
- A6- interpret the economic and veterinary resources and their costs in animal production farms.

#### 3-B: INTELLECTUAL SKILLS:

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

- B1- Develop solutions for field and economic problems.
- B2- plan for unexpected economic problems.
- B3- Create practices and applications of new trends for increasing and improving economic and productive efficiency of animal production farms.
- B4- Design feasibility studies of different animal projects and record making.

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

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

**C1-** Prepare survey observations, analyzing results and animal production quality assesment.

C2- Point out the causes of economic problems and how to choose the most economic solution for dealing with them.

**C3-** solve problems of veterinary marketing , management of farm animals and improving economic of animal welfare.

**C4-** Analyze economic problems in animal and poultry production farms.

**C5-** distinguish the returns and costs resulted from improving marketing, management and economic information in animal and poultry production farms.

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

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

**D1-** Experience in team work and critical analyses in relation to veterinary economics, marketing and good farm animal management.

**D2-** Use the different computer skills

**D3-** Work under stress and can solve large number of economic problems in animal production farms

**D4-** Design a budget and its technique in veterinary practices.

### **4- COURSE CONTENTS:**

#### **4.A: Second semester topics:-**

TOPIC	Total hours (Semester)	Hours for lecture	Hours for practical
Introduction about veterinary economics.	4	2	2
Pricing and Elasticity measures	4	4	--
The business of veterinary practice Management in veterinary setting	4	4	--
Veterinary marketing	2	2	--
Production and Costs functions	4	4	--
Economic and productive efficiency of animal production farms	2	2	--
Methods used for assessing the economic benefits of disease control	2	2	--



TOPIC	Total hours (Semester)	Hours for lecture	Hours for practical
Basis of feasibility studies of animal production projects	6	2	4
Farm records and Budgeting	4	4	--
Position of animal farms and Comparison between the economic traits of farm animals	4	4	--
Large and small animal problems	17	--	17
Economics of drug treatment	2	--	2
Management quality	2	--	2
Judgment on the farm income statement	3	--	3
<b>Total</b>	<b>60</b>	<b>30</b>	<b>30</b>

## 5- TEACHING & LEARNING METHODS:

### \*Lectures

- ( using data show, white board and brain storming)

### \*Practical and small group sessions:

- 1: Practical training.
- (Practical demonstrations, practice of skills, and discussions)
- 2: Small farm project models training

### \* Site visits

- visits to the dairy and poultry farms for practical application.

### \* Self learning

- Computer researches and faculty library visits to prepare essays and presentations.
  - Library researches.
  - Internet researches.
  - Discussion in the researches.
  - Preparation of scientific reports.

## 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:-

<u>7.a Used methods</u>	Written examination	Oral examination	Practical examination	Activities
<u>7.b time</u>	16 <sup>th</sup> week of 2 <sup>nd</sup> term	—	14 <sup>th</sup> week 2 <sup>nd</sup> term	throughout the 2 <sup>nd</sup> term
<u>7.c grads</u>	25	—	15	10

## 8. LEARNING AND REFERENCE MATERIALS:

### 8-1: BASIC MATERIALS:

- **Department notes:** available for students to purchase from the department.

### 8-2: Recmonded books:

- 8.2.a. Bath, L. Donald; F. N. Dickinson; H. A. Tucker; and R. Appleman. (1978):"Dairy cattle: Principles, practices, problems, profits". Second Edition, Lea & Febiger. Philadelphia.
- 8.2.b. Commercial rabbit raising. The plan for rabbits". An Albers publication.
- Devendra, C. D. and G. B. Mcleroy. (1989):"Goat and sheep production in the tropics". Intermediate Tropical Agriculture series.
- 8.2.c. Economics for veterinarians (1977):" Proceedings of a course in economics for veterinarians of the Western Australian Department of Agriculture, February 14 to 18.
- 8.2.d. Heady, E. H. and R. Jensen. (1964):" Farm management economics". Pren. of India, New Delhi.
- 8.2.e. Lasley, J. F. (1981):" Beef cattle production ". Prentice-Hall, Inc. Englewood cliffs, New Jersey 07632.
- 8.2.f. Poultry Hand Book. (1980): " The Pennsylvania state University collage of agriculture". University Park, Pennsylvania.

### 8.3: web sites and jouranls .....and so on

- Intrnational of veterinary information services (IVIS)
- www.Vet.net.com
- Bovine and Ovine middle east and North Africa.
- Egyptian poultry science
- Poultry science (national)
- British poultry science
- World poultry science

### Intended learning out comes of each topic

TOPIC	K.U (A)	I.S (B)	P.P.S (C)	G.T.S (D)
Introduction about veterinary economics.	A1	--	--	--
Pricing and Elasticity measures	A6	B3	--	D2
The business of veterinary practice Management in veterinary setting	A4	B1-B2-B4	--	D1-D3
Veterinary marketing	A2	B3	--	D1
Production and Costs functions	A6	B3-B4	--	D1-D4
Economic and productive efficiency of animal production farms	A3	B3	--	D1-D2
Methods used for assessing the economic benefits of disease control	A5	B2	--	D1-D4
Basis of feasibility studies of animal production projects	A4	B4	--	D2
Farm records and Budgeting	A4	B4	--	D4
Position of animal farms, Comparison between the economic traits of farm animals and their depreciation	A3	B2-B4	--	D1
Large and small animal problems		B1-B2-B3	C2-C3-C4- C5	D1
Economics of drug treatment	A5	B3-B4	C2	D1
Management quality	A4	B3	C3-C5	D3
Judgment on the farm income statement	A4	B2-B3	C1-C5	--



### Intended learning outcomes Evaluation

Assessment	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Mid – Term exam	A1-A2-A3	B1-B2-B5		
Practical exam		B1-B2-B3-B4	C1-C2-C3-C4-C5	
Oral exam	No oral exam.			
Written exam	A1-A2-A3-A4-A5-A6	B1-B2-B3-B4	C1-C2-C3-C4-C5	
Activities, assignments and research		B4-B5		D1-D2-D3-D4

Course Coordinator	Head of Department
Prof.dr.M Atef	Prof.dr.Shawky Mahmoud