



# Medicine

## Diploma Course Specification

### A. BASIC INFORMATION

<b>University:</b>	<b>University of Sadat City</b>
<b>Faculty:</b>	<b>Veterinary Medicine</b>
<b>Program on which the course is given:</b>	<b>Diploma of Farm Animal Diseases</b>
<b>Department offering the Course:</b>	<b>Medicine and Infectious Diseases</b>
<b>Course code:</b>	<b>920</b>
<b>Course title:</b>	<b>Medicine</b>
<b>Lecture (hr/week):</b>	<b>2</b>
<b>Practical (hr/week):</b>	<b>2</b>
<b>Course coordinator:</b>	<b>Dr. Mahmoud Allam</b>

## **B. PROFESSIONAL INFORMATION**

### **) Overall aims of course**

By course ending the students should gain up-to-date knowledge of ruminant medicinal diseases that are most commonly affecting Cows, Buffaloes, Camels, Sheep, Goats and equine and their treatment and control. The students are enabling for accurate diagnosis, differential diagnosis and treatment of these diseases. Diseases of digestive, respiratory, urinary, skin affections, nutritional deficiency and metabolic disorders are of particular concern because of their direct relation to the milk and meat production. Examination of heard has a special attention and sport medicine of equine.

### **) Intended learning outcomes of course (ILOs)**

#### **a) KNOWLEDGE AND UNDERSTANDING**

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

- a.1. Understand the affections, treatment and control of digestive system in ruminant and equine.
- a.2. Define the affections, treatment and control of respiratory system in ruminant and equine.
- a.3. Define the affections, treatment and control of cardiovascular system in ruminant and equine.
- a.4. Recognize the affections, treatment and control of urinary system in ruminant and equine.
- a.5. Identify the affections, treatment and control of metabolic and nutritional disorders in ruminant and equine.
- a.6. List the sport medicine and foal disorders in equine.

#### **b) INTELLECTUAL SKILLS**

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

- b.1. Differentiate farm animals diseases based on clinical signs.
- b.2. Determine of inter-relation between system affections.
- b.3. Correlate other diagnostic aids.
- b.4. Choose the appropriate treatment for each disease.
- b.5. Interpret read and comment the lab and especial diagnostic results.
- b.6. Choose either medical or surgical interference.
- b.7. Interpret of laboratory test results for reaching to correct diagnosis.

#### **c) PROFESSIONAL AND PRACTICAL SKILLS**

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

- c.1. Explain case history professionally.
- c.2. Apply clinical and physical examinations.
- c.3. Carry out Collection of samples and preserve it for Lab diagnosis.
- c.4. Identify drug injection by various routes of administration.
- c.5. Use different diagnostic aids in diagnosis.
- c.6. Carry out examination of clinical cases after treatment.
- c.7. Apply a protocol for prevention and control of ruminant and equine diseases.
- c.8. Apply differential diagnosis between related diseases.

#### **d) GENERAL AND TRANSFERABLE SKILL**

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

- d.1. join with team efficiently.
- d.2. Enhance the use of library services and IT tools.
- d.3. Improve computer / keyboard skills including word
- d.4. Create effective presentation.

## ) Topics and contents

Topic	No. of Hours	Lecture	Tutorial/practical
<b>General Examination of ruminant and equine.</b>	<b>20</b>		<b>20</b>
<b>Clinical diagnosis and Clinical examination of ruminant and equine</b>	<b>10</b>		<b>10</b>
<b>Physical Examination of ruminant and equine:</b>	<b>10</b>		<b>10</b>
<b>Diseases of Digestive System in Ruminants and equine :</b>	<b>20</b>	<b>20</b>	
<b>Clinical Examination of Digestive System of ruminant and equine and its accessories and application of ultrasonography as a diagnostic aid:</b>	<b>18</b>		<b>18</b>
<b>Diseases of Respiratory System in Ruminants and equine.</b>	<b>10</b>	<b>10</b>	
<b>Clinical examination of Respiratory System of ruminant and equine and application of ultrasonography as a diagnostic aid.</b>	<b>10</b>		<b>10</b>
<b>Diseases of Cardiovascular System in Ruminants and equine</b>	<b>10</b>	<b>10</b>	
<b>Clinical Examination of Cardiovascular System of ruminant and equine and application of ultrasonography as a diagnostic aid.</b>	<b>10</b>		<b>10</b>
<b>Disease of Urinary System in Ruminants and equine.</b>	<b>10</b>	<b>10</b>	
<b>Clinical Examination of Urinary System of ruminant and equine and application of ultrasonography as a diagnostic aid.</b>	<b>10</b>		<b>10</b>
<b>Metabolic Diseases in Ruminants and equine..</b>	<b>10</b>	<b>10</b>	
<b>Nutritional Deficiency diseases of Ruminants.</b>	<b>10</b>	<b>10</b>	
<b>VI) Equine Sport Medicine</b>	<b>10</b>	<b>10</b>	
<b>VII) Foal Diseases</b>	<b>8</b>	<b>8</b>	
<b>Total</b>	<b>176</b>	<b>88</b>	<b>88</b>

## ) Teaching and learning methods

- 4.1 Lectures.
- 4.2. Practical.
- 4.3. Self-learning activities.

## ) Student assessment

### a. METHODS:

1- Written examination	For assessment of knowledge, back calling and Intellectual skills
2- Practical examination	For assessment of practical and professional skill.
3- Oral examination	For assessment of knowledge and Intellectual skills
4- Student activities	For assessment of knowledge and general and

**b. MATRIX ALIGNMENT OF THE MEASURED ILOS/ ASSESSMENTS METHODS:**

	<b>K.U (a)</b>	<b>I.S (b)</b>	<b>P.P.S (c)</b>	<b>G.S (d)</b>
<b>Written exam</b>	<b>1,2,3,4,5,6</b>	<b>1,2,4</b>		-
<b>Practical exam</b>		<b>3,5,6,7</b>	<b>1-8</b>	-
<b>Oral exam</b>	<b>1,2,4,5</b>			-
<b>Student activities (assay, seminar, etc.)</b>				<b>1-4</b>

**c. WEIGHT OF ASSESSMENTS:**

<b>Assessment</b>	<b>Allocated Mark</b>	<b>Evidence</b>
Final written exam	<b>50%</b>	Marked and signed written paper
Practical exam	<b>20%</b>	Marked and signed practical exam paper
Oral exam	<b>20%</b>	Signed list of oral exam marks
Student assignments	<b>10%</b>	Representative samples of presented materials

**) List of references****6.1. Essential textbooks.**

- J Rush, B. and Mair, T. (2004): "Equine Respiratory Diseases."
- J Hadrill, D. (2002): "Horse Health Care."
- J Martin, W.B and Aitken, I.D. (2000): "Diseases of Sheep."3rd edition.
- J Ehinger,S.J and Feldman, C.E. (2000): "Text Boot of Veterinary Internal Medicine." 5th edition.

**6.2. Recommended books**

- J 1- Keiji Ogimoto and Soichi Imai: "Atlas of Rumen Microbiology." Japan Scientific Societies Press, Tokyo.
- J 2- Gustav Rosenberger; Grerit Dirksen and et al: "Clinical Examination of Cattle." Verlag Paul Parey. Berlin and Hamburg.
- J 3- Ilse Köhler-Rollefson: "A Field Manual of Camel Diseases." Paul Mundy and Evelyn Mathias.

**6.3. Periodicals**

- J Journal of Dairy Science.
- J Journal of Animal Science.
- J Research on Veterinary Science

	<b>Course coordinators</b>	<b>Head of department</b>
<b>Name</b>	<b>Dr. Mahmoud Allam</b>	<b>Prof. Dr. Ahmed Zaghawa</b>
<b>Signature</b>		

## Matrix alignment of course topics and ILOs

Topic	No. of hours /week		Total hours /semester	Hours for lect.	Hours for pract.	ILOs				T&L.methods				
	Lect.	Pract.				K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)	Lect.	Pract.	Self& active leaning	Audio visual	Case study
General Examination of ruminant and equine.	2	2	20		20			1,3,4	3,4					
Clinical diagnosis and Clinical examination of ruminant and equine.	2	2	10		10	1		2	4					
Physical Examination of ruminant and equine.	2	2	10		10			2	4					
Diseases of Digestive System in Ruminants and equine.	2	2	20	20		1	1,2,4,6	5,6,7,8	1,2,3,4					
Clinical Examination of Digestive System of ruminant and equine	2	2	18		18		3,5,7	1,3	3,4					
Diseases of Respiratory System in Ruminants and equine.	2	2	10	10		2	1,2,4,6	5,6,7,8	2,3					
Clinical examination of Respiratory System of ruminant and equine	2	2	10		10		3,5,7	1,2	3,4					
Diseases of Cardiovascular System in Ruminants and equine.	2	2	10	10		3	1,2,4,6	5,6,7,8	2,3					
Clinical Examination of Cardiovascular System of ruminant and equine	2	2	10		10		3,5,7	1,2	3,4					

<b>Disease of Urinary System in Ruminants and equine.</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>		<b>4</b>	<b>1,2</b>	<b>5,6,7,8</b>	<b>1</b>					
<b>Clinical Examination of Urinary System of ruminant and equine</b>	<b>2</b>	<b>2</b>	<b>10</b>		<b>10</b>		<b>3,5,7</b>	<b>1,2</b>	<b>3,4</b>					
<b>Metabolic Diseases in Ruminants and equine..</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>		<b>5</b>	<b>1,2,4,6</b>	<b>5,6,7,8</b>	<b>1,2</b>					
<b>Nutritional Deficiency diseases of Ruminants.</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>		<b>5</b>	<b>1,2,4,6</b>	<b>5,6,7,8</b>	<b>3,4</b>					
<b>Equine Sport Medicine.</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>		<b>6</b>	<b>1,2,4,6</b>	<b>5,6,7,8</b>	<b>1,2</b>					
<b>Foal Diseases.</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>8</b>		<b>6</b>	<b>1,2,4,6</b>	<b>5,6,7,8</b>	<b>2</b>					