University of Sadat City
Faculty of Veterinary Medicine
Dept. of Poultry and Rabbits Medicine
(2014-2015)

Poultry and Rabbits Diseases
Basic Course

MASTER COURSE SPECIFICATION

A. BASIC INFORMATION

University:	**University of Sadat City**
Faculty:	**Veterinary Medicine**
Program on which the course is given:	**Master in Veterinary Medical Sciences (Poultry and Rabbits Diseases)**
Department offering the Course:	**Poultry and Rabbits Medicine**
Course code:	**--**
Course title:	**Poultry and Rabbits Diseases - Basic Course**
Lecture (hr/week):	**3**
Practical (hr/week):	**4**
Course coordinator:	**Dr. Alaa Gaballa**

2- Professional information

1- Overall aims of course

*Upon successful completion of the course, The candidates must know the most advanced study of viral, bacterial, mycotic, parasitic and nutritional deficiency diseases of poultry and rabbits and differential diagnosis well as the method of prevention and control of these diseases.

2- Intended learning outcomes of course (ILOs)

a-Knowledge and understanding

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

- **a.1.** Identify the different terms of poultry diseases, rabbits diseases, host- parasite relationship and the association between the disease and epidemiology.
- **a.2.** List the molecular characterization of bacterial, viral, parasitic, and mycotic diseases
- **a.3.** Recognize the different concepts of advanced quality measures in poultry disease profession and education.
- **a.4.** Define the requirement of national and regional poultry fields in line with professional ethics.
- **a.5.** Categorize the principles, advanced theories and also the update knowledge of poultry and rabbits diseases and its related one.
- **a.6.** List factors affecting samples taking time poultry and rabbits diseases.

b-Intellectual skills

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

- **b.1.** Analyze data about occurrence, distribution and possible risk factors of diseases
- **b.2.** Investigate the efficiency of farm hygiene in relation to diseases occurrence.
- **b.3.** Obtain and record data to design a map for the occurrence of different diseases
- **b.4.** Specify the disease problems among birds populations to provide suitable means for control
- **b.5.** Judge on the most important diseases affecting different poultry and rabbits.

c-Professional and practical skills

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

- **c.1.** Apply the clinical examination and postmortem for diagnosis of poultry diseases

c.2. Carry out dosing, sampling, labeling and preservation of samples.
c.3. Use appropriate basic laboratory equipment safely and efficiently.
c.4. Apply egg inoculation.
c.5. practice serological tests and different isolation methods for different causative agents

d-General and transferable skill

By the end of studying the course, the student should be able to
d.1. Work effectively as part of a team.
d.2. Facilitate use of library facilities.
d.3. Explore appropriate computer / keyboard skills including word
d.4. Design spreadsheets, presentation packages and graph plotting.

3- Topics and contents

Topic	No. of hours		
	Lectures	Practical	Total
Respiratory viral diseases	12	-	12
Immunosuppressive viral diseases	12	-	12
Tumor viral diseases	12	-	12
Nervous viral disease and pox virus infection	12	-	12
Duck viral diseases	12	-	12
Bacterial diseases	12	-	12
Parasitic diseases	12	-	12
Mycotic diseases	12	-	12
Rabbits viral diseases	6	-	6
Rabbits bacterial diseases	12	-	12
Rabbits parasitic diseases	6	-	6
Nutritional disorders diseases	12	-	12
Clinical examination of poultry diseases	-	24	24
Postmortem examination	-	40	40
Collection and preservation of samples from affected poultry	-	24	24
Isolation and identification of different poultry diseases- and egg inoculation	-	24	24
Molecular diagnosis and serological tests for poultry diseases	-	40	40
Sensitivity tests	-	24	24
Total	132	176	308

4- Teaching and learning methods

4.1. Lectures.

4.2. Practical.

4.3. Self-learning activities.

5-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 transferable skills

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

	K.U (a)	I.S (b)	P.P.S (c)	G.S (d)
Written exam	1,2,3,4,5,6	1,2,3,4,5		
Practical exam			1,2,3,4,5	
Oral exam	1,2,3,4,5	1,2,3,4,5		
Student activities				1-4

C. WEIGHT OF ASSESSMENTS:

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

6- List of references

6.1. Essential books

1-Diseases of poultry 12th edition

Edited by saif,Fadly and Glisson (Iowa state University press Ames, Iowa, USA)2008

2-Avian Medicine and Surgery

Edited by Robert B.Altman (W.B.Saunders company)1997

6.2. Recommended texts

1-Principle s of poultry Science

Edited by S.P.Rose (CAB International UK)2006

2-Poultry diseases sixth edition

Edited by frank Jordan 2008

6.3. Journals , Websites ……..etc

1- Poultry Science Journal

2- British poultry science Journal

3- Poultry Disease Journal

Website

- Univetmedicine.com
- www.the poultry site.com
- www.poultry keeper.com

Course coordinator:

Dr.Alaa Abdelrazik Gaballa

Head of department:

Prof. Dr. Shaaban Gadallah

MVSc Matrix alignment of course topics and ILOs

Topic	No. of hours /week		Total hours	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
Respiratory viral diseases	12	-	12	12		1,2,3,6	1,2,4,5		1,2,3,4	+	-			
Immunosuppressive viral diseases	12	-	12	12		2,3,4,5	2,3,4		1,2,3,4	+	-			
Tumor viral diseases	12	-	12	12		1,3,4.6	1,4,5		1,2,3,4	+	-			
Nervous viral disease and pox virus infection	12	-	12	12		1,2,4,6	1,2,3		1,2,3,4	+	-			
Duck viral diseases	12	-	12	12		2,3,6	1,3,5		1,2,3,4	+	-			
Bacterial diseases	12	-	12	12		2,3,5	2,3		1,2,3,4	+	-			
Parasitic diseases	12	-	12	12		5,6	2,3,4		1,2,3,4	+	-			
Mycotic diseases	12	-	12	12		1,4,6	1,3,5		1,2,3,4	+	-			
Rabbits viral diseases	6	-	6	6		1,4,6	3,4		1,2,3,4	+	-			
Rabbits bacterial diseases	12	-	12	12		1,4,6	2,3		1,2,3,4	+	-			
Rabbits parasitic diseases	6	-	6	6		1,4,6	2,3		1,2,3,4	+	-			
Nutritional disorders diseases	12	-	12	12		1,4,6	3		1,2,3,4	+	-			
Clinical examination of poultry diseases	-	20	20		20			1	1,3	-	+			

Postmortem examination	-	24	24		24		5	1	1,3	-	+			
Collection and preservation of samples from affected poultry	-	24	24		24		5	1,2,3	1,3	-	+			
Isolation and identification of different poultry diseases agents	-	24	24		24		5	3,4	1,2,3	-	+			
Molecular diagnosis and other serological tests for poultry diseases	-	40	40		40		1,2,3,4,5	2,,3,4,5	1,3,4	-	+			
Sensitivity test	-	24	24		24		2,3,4	3,4,5	1,3,4	-	+			
Total			308	132	176									