



University of Sadat City  
Faculty of Veterinary Medicine  
Dept. of Parasitology  
(2014-2015)



# Parasites of Birds (687M)

## MASTER COURSE SPECIFICATION

### 1- Basic information

<b>University</b>	<b>Sadat City</b>
<b>Faculty</b>	<b>Veterinary Medicine</b>
<b>Course Code:</b>	<b>687M</b>
<b>Course title:</b>	<b>Parasites of Birds</b>
<b>Department offering the Course:</b>	<b>Parasitology</b>
<b>Program title:</b>	<b>Master in Veterinary Medical Sciences (Parasitology)</b>
<b>Contact hours/week:</b>	<b>Lecture: 2 hours/ week</b>
	<b>Practical: 2 hours/ week</b>
<b>Course coordinator:</b>	<b>Dr. Mahmoud Abou Laila</b>

## 2- Professional information

### 1- Overall aims of course

**Upon successful completion of the course, the student will be able to:**

- ❖ Identify different species of poultry and rabbit parasites with good Knowledge about their Taxonomy & morphological characters
- ❖ Professionally understand Biology of parasites, Survival strategies of parasites, the means of spread of parasites and behavioral ecology of different parasites infecting birds and rabbits

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

#### a-Knowledge and understanding

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

- a1- Identify the different helminthes infecting birds.
- a2- Describe morphological, biological and geographical criteria of different parasites infecting birds and rabbits.
- a3- Define the host parasite relationship.
- a4- Explain different methods for control of parasites of birds and rabbits

#### b-Intellectual skills

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

- b1- Explain common taxonomy of parasites based on morphological, biologic and geographical criteria and clinical observation.
- b2- Differentiate between the behavior and ecology of different parasite species and stages in the environment.
- b3- Compare between factors responsible for differentiation between infection and disease caused by various parasites infecting birds and rabbits.
- b4- Characterize the protection of birds from infection with different parasites.

#### c-Professional and practical skills

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

- c1- Tabulate different parasites of birds.

- c2- Write reports in parasites infecting birds and rabbits.
- c3- Construct a diagnosis of different helminthes in birds.
- c4- Illustrate data of the mange.
- c5- Determine blood parasite infections in birds.

**d-General and transferable skill**

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

- d.1. Organize a work within a team.
- d.2. Develop the use of library facilities and IT tools.
- d.3. Enhance the appropriate computer / keyboard skills including word
- d.4. Construct spreadsheets, presentation packages and graph plotting.

### **3- Topics and contents**

Theoretical Topic	No. of hours		
	Lectures	Practical	Total
Introduction to Parasitology, Definitions-epidemiology - host- parasite relations	<b>16</b>	-	<b>16</b>
Helminthes parasites infecting birds and rabbits	<b>16</b>	-	<b>16</b>
protozoa infecting birds and rabbits	<b>16</b>	-	<b>16</b>
Arthropods affecting birds and rabbits	<b>15</b>	-	<b>15</b>
control of Parasites and parasitic Infections	<b>15</b>	-	<b>15</b>
Ecology of Parasites and Parasitic infections	<b>10</b>		<b>10</b>
<b>practical Topic</b>			
Collection of parasitic samples.	-	<b>10</b>	<b>10</b>
common steps for preparation of permanent samples (mounting process)	-	<b>15</b>	<b>15</b>
Diagnosis of mange infecting birds and rabbits	-	<b>15</b>	<b>15</b>
Faecal examination	-	<b>16</b>	<b>16</b>
Blood examination		<b>16</b>	<b>16</b>
field trip: screening of parasites in nature	-	<b>16</b>	<b>16</b>
<b>Total</b>	<b>88</b>	<b>88</b>	<b>176</b>

### **4- Teaching and learning methods**

- 4.1.** Lectures.
- 4.2.** Practical sessions.
- 4.3.** self-learning and presentation.

## 5-Student assessment

### a. METHODS:

Written examination	For assessment of knowledge, back calling and intellectual skills.
Practical examination	For assessment of practical and professional skills.
Oral examination	For assessment of knowledge and intellectual skills.
Student activities	For assessment of knowledge and general and transferable intellectual skills.

### b. MATRIX ALIGNMENT OF THE MEASURED ILOs/ ASSESSMENTS METHODS:

<u>Assessments methods</u>				
Method	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	1,3,4		
Practical exam		2	1,2,3,4,5	
Oral exam	1,2,3,4	1,3,4		
Self-learning activities				1.2.3.4

### c. WEIGHT OF ASSESSMENTS:

Assessment	Allocated Mark	Evidence
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
Self-learning activities	<b>10%</b>	Singed list of presented materials

## 6- List of references

### 6.1. Essential books

- 1- Soulsby, E.J.L. (1996): Heminths, Arthropods and protozoa of poultry and rabbit. 8<sup>th</sup> ed. Baillier, Tidal and Cassel, London..
- 2-Roberts, L. and Janvov, J. (2006): foundations of parasitology. 6 th ed.

### 6.3. Journals , Websites .....etc

- 1- Parasitology today

- 2- The Journal of parasitology
- 3- [www.asp.unl.edu/](http://www.asp.unl.edu/)
- 4- [www.aavp.org](http://www.aavp.org)
- 5- [www.dpd.cdc.gov](http://www.dpd.cdc.gov)
- 6- [www.vetmed.wise.edu](http://www.vetmed.wise.edu)

**Course coordinator:**

Dr. Mahmoud Abou Laila

**Head of department:**

Prof. Dr. Nasr Moawad El-Bahy

## Matrix alignment of course topics and ILOs

<i>Theoretical Topic</i>	No. of hours /week		Total hours	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
Introduction to Parasitology, Definitions-epidemiology - host- parasite relations	16	-	16	1,2,3,4	1,2		1,2,3,4	√	-	√	√	
Helminthes parasites infecting birds and rabbits	16	-	16	1,2,3	1,2,3		1,2,3,4	√	-			
protozoa infecting birds and rabbits	16	-	16	1,2,3	1,2		1,2,3,4	√	-	√	√	
Arthropods affecting birds and rabbits	15	-	15	1,2,3	1,2		1,2,3,4	√	-	√	√	
control of Parasites and parasitic Infections	15	-	15	1,2	1		1,2,3,4	√	-	√	√	
Ecology of Parasites and Parasitic infections	10	-	10	1,4	3,4		1,2,3,4	√	-	√	√	
<i>practical Topic</i>												
Collection of parasitic samples.	-	10	10			1,2	1,2,3,4	-	√			
common steps for preparation of permanent samples (mounting process)	-	15	15			1,2,4	1,2,3,4	--	√	√	√	√
Diagnosis of mange infecting birds and rabbits	-	15	15			1,3,4,5	1,2,3,4	-	√	√	√	√
Faecal examination	-	16	16			1,3,4,5	1,2,3,4	-	√	√	√	√
Blood examination	-	16	16			1,3,4,5	1,2,3,4	-	√	√	√	√

field trip: screening of parasites in nature		16	16				1,2,3,4					
Total	<b>88</b>	<b>88</b>	<b>176</b>									