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

Parasites of Wild Animals (692M)

MASTER COURSE SPECIFICATION

1- Basic information

University	**University of Sadat City**
Faculty	**Veterinary Medicine**
Course Code:	**692M**
Course title:	**Parasites of Wild Animals**
Department offering the Course:	**Parasitology**
Program title:	**Master in Veterinary Medical Sciences (Parasitology)**
Contact hours/week:	**Lecture: 2 hours/ week**
	Practical: 2 hours/ week
Course coordinator:	**Dr. Mahmoud Abou Laila**

2- Professional information

1- Overall aims of course
Upon successful completion of the course, the student will be able to:
1- Identify different species of parasites infecting wild animal spp (Helminthes, Arthropods and

Protozoa), with good Knowledge about their Taxonomy & morphological characters
2- Professionally understand biology of parasites, Survival strategies of parasites, the means of spread of parasites and Behavioral ecology of different parasites.

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 parasites infecting wild animals.
a2- Describe morphological, biological and geographical criteria of different parasites.
a3- Recognize the host parasite relationship.
a4- Explain biology of different parasites

b-Intellectual skills

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

b1- Interpret common taxa of parasites based on morphological, biologic and geographical criteria and clinical observation.
b2- Assess the differentiation between the behavior and ecology of different parasite species and stages in the environment.
b3- analyze the relation between the incidence of different parasites between wild animals.
b4- Carry out a protection from infection with different zoonotic parasites.
b5- Carry out diagnosis of different parasites.

c-Professional and practical skills

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

c1- Evaluate the ecology of different parasite.
c2- Write on different parasites infecting wild animals.
c3- Carry out a diagnosis of different parasitic infection in different hosts.
c4- control different parasites by different drugs.

d-General and transferable skill

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

d.1. Work in team.
d.2. Manage the time efficiently.
d.3. Communicate effectively
d.4. Involve self and continuous learning.
Show leadership skills that enable them to organize work and lead the juniors and paramedical staff.

3- Topics and contents

Topic	No. of hours		
	Lectures	Practical	Total
Introduction to Parasitology	8	-	8

Helminthes parasites infecting wild animals	**4**	-	**4**
Protozoa infecting wild animals	**4**	-	**4**
Arthropods affecting wild animals	**4**	-	**4**
host- parasite relations	**4**	-	**4**
Biology of parasites	**4**	-	4
Epidemiology of Parasites.	**4**	-	4
Classification of Parasites	**4**	-	4
Control of Parasites and parasitic Infections	**4**	-	4
Ecology of Parasites and Parasitic infections	**4**	-	**4**
Practical topics			
Collection of parasitic samples.	-	**16**	**16**
Common steps for preparation of permanent samples (mounting process)	-	**16**	16
Diagnostic techniques used.		**32**	32
Field trip: screening of parasites in nature	-	**24**	24
Total	**44**	**88**	**132**

4- Teaching and learning methods

4.1. Lectures.

4.2. Practical sessions.

4.3. Self-learning and presentation.

5-Student assessment

a. METHODS:

Written exam	For assessment of knowledge, information and intellectual skills
Practical exam	For assessment of professional and practical skills
Oral exam	For assessment of knowledge, information and intellectual skills
Self learning activities	For assessment of knowledge, general and transferable skills

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

Assessments methods				
Method	**Matrix alignment of the measured ILOs/ Assessments methods**			
	K&U (a)	**I.S (b)**	**P&P.S (c)**	**G.S (d)**
Final-Term exam	1,2,3,4	1,3,4		
Practical exam		2, 5	1,2,3,4	

Oral exam	1,2,3,4	1,3,4		
Self learning activiti es				1,2,3,4

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
Self learning activities	**10%**	Signed list of presented materials

6- List of references

6.1. Essential books

1. Garcia L.S. (1999) practical guide to diagnostic parasitology American society for microbiology
2. Soulsby, E.J.L. (1996): Heminths, Arthropods and protozoa of domesticated animals. 7th ed. Baillier, Tidal and Cassel, London.

6.3. Journals , Websites ……..etc

1- Parasitology today
2- The Journal of parasitology
3- www.asp.unl.edu/
4- www.aavp.org
5- www.dpd.cdc.gov
6- www.vetmed.wise.edu

Course coordinator: **Head of department:**

Dr. Mahmoud Abou Laila **Prof. Dr. Nasr Moawad El-Bahy**

Matrix alignment of course topics and ILOs

Theoritical Topic	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	**8**		**8**	1,2,3,4	1,2		1,2,3**,4**	√	-	√	√	
Helminthes parasites infecting wild animals	**4**		**4**	1,2,3	1,2,3		1,2,3**,4**	√	-			
Protozoa infecting wild animals	**4**		**4**	1,2,3	1,2		1,2,3**,4**	√	-	√	√	
Arthropods affecting wild animals	**4**		**4**	1,2,3	1,2		1,2,3**,4**	√	-	√	√	
host- parasite relations	**4**		**4**	1,2	1		1,2,3**,4**	√	-	√	√	
Biology of parasites	**4**		**4**	1,4	3,4		1,2,3**,4**	√	-	√	√	
Epidemiology of Parasites.	**4**		**4**	1,4	3,4		1,2,3**,4**	√	-	√	√	
Classification of Parasites	**4**		**4**	1,4	3,4		1,2,3**,4**	√	-	√	√	
Control of Parasites and parasitic Infections	**4**		**4**	1,4	3,4,5		1,2,3**,4**	√	-	√	√	
Ecology of Parasites and Parasitic infections	**4**		**4**	1,4	3,4,5		1,2,3**,4**	√	-	√	√	
pracitical Topic												
Collection of parasitic samples.	**-**	**16**	**16**			1,2	1,2,3**,4**	-	√			
Common steps for preparation of permanent samples (mounting process)	**-**	**16**	**16**			1,2,4	1,2,3**,4**	--	√	√	√	√
Diagnostic techniques used.	**-**	**32**	**32**			1,3,4	1,2,3**,4,5**	-	√	√	√	√
Field trip: screening of parasites in nature	**-**	**24**	**24**			1,3,4	1,2,3**,4**	-	√	√	√	√
Total	**88**	**88**	**176**									