



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



Clinical parasitology (691M)

MASTER COURSE SPECIFICATION

1- Basic information

University	University of Sadat City
Faculty	Veterinary Medicine
Course Code:	691M
Course title:	Clinical Parasitology
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 Abo Liala

2- Professional information

1- Overall aims of course

<p>Upon successful completion of the course, the student will be able to:</p> <ul style="list-style-type: none"> ❖ Identify different techniques for diagnosis of different parasites 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
<p>2- Intended learning outcomes of course (ILOs)</p>
<p><u>a-Knowledge and understanding</u></p>
<p>By the end of this course the graduate should be able to:</p> <p>a1- Identify the fundamental concepts of Parasitology and with the technical vocabulary used in this field.</p> <p>a2- Describe morphological, biological and geographical criteria of different parasites.</p> <p>a3- Recognize different parasitic stages</p> <p>a4- Explain the epidemiology of different parasites</p>
<p><u>b-Intellectual skills</u></p>
<p>By the end of this course the graduate should be able to :-</p> <p>b1- Interpret common taxa of parasites based on morphological, biologic and geographical criteria and clinical observation.</p> <p>b2- Assess the differentiation between the best methods of diagnosis of different parasites.</p> <p>b3- Specify the factors responsible for differentiating between infection and disease caused by various parasites.</p> <p>b4- Diagnose of different zoonotic parasites.</p> <p>b5- Plan a protection program from pollution with parasites.</p>
<p><u>c-Professional and practical skills</u></p>
<p>By the end of this course the graduate should be able to:</p> <p>c1- Isolate and identification of parasites and parasitic infections.</p> <p>c2- Write on the biology and life cycles of parasites.</p> <p>c3- Apply diagnosis of different parasitic infection in different hosts.</p> <p>c4- Count different parasites.</p> <p>c5-Examine different fecal samples.</p>
<p><u>d-General and transferable skill</u></p>

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

- d.1. Work effectively as part of a team.
- d.2. Make use of library facilities and IT tools.
- d.3. Explore appropriate computer / keyboard skills including word
- d.4. Present research results

3- Topics and contents

Theoretical Topic	No. of hours		
	Lectures	Practical	Total
Introduction and classification of parasites	16	-	16
Biology of parasites, - Epidemiology of Parasites.	8	-	8
Classification of Parasites Taxonomy of Parasites	16	-	16
Diagnosis of Trematode infection	8	-	8
Diagnosis of Cestodes infection	16	-	16
Diagnosis of Nematodes infection	8	-	8
Diagnosis of protozoan infection	8	-	8
Diagnosis of Trematode infection	16	-	16
practical Topic			
Samples and sampling techniques	-	10	10
Isolation and identification of parasites and parasitic infections	-	12	12
-Methods of diagnosis of Parasitic infections	-	44	44
common steps for preparation of permanent samples	-	22	22
Total	88	88	176

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:

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	1,2,3,4,5	
Oral exam	1,3,4	1,3,4		
Self learning activities				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-Hendrix CH.M. and Robinson E. (2006): Diagnostic parasitology for veterinary technicians. Mosby inc. an affiliate of Elsevier inc.
- 2-Hendrix CH.M. (1998): diagnostic veterinary parasitology 1998 by mosby . inc.
- 3-Garcia L.S. (1999) practical guide to diagnostic parasitology American society for microbiology

6.3. Journals , Websitesetc

- 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:

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 and classification of parasites	16	-	16	1,2,3,4	1,2		1,2,3,4	√	-	√	√	
Biology of parasites, Epidemiology of Parasites.	8	-	8	1,2,3	1,2,3		1,2,3,4	√	-			
Classification of Parasites Taxonomy of Parasites	16	-	16	1,2,3	1,2		1,2,3,4	√	-	√	√	
Diagnosis of Trematode infection	8	-	8	1,2,3	1,2		1,2,3,4	√	-	√	√	
Diagnosis of Cestodes infection	16	-	16	1,2	1		1,2,3,4	√	-	√	√	
Diagnosis of Nematodes infection	8	-	8	1,4	3,4		1,2,3,4	√	-	√	√	
Diagnosis of protozoan infection	8	-	8	1,4	3,4,5		1,2,3,4	√	-	√	√	
Diagnosis of Trematode infection	16	-	16	1,4	3,4,5		1,2,3,4	√	-	√	√	
<i>practical Topic</i>												
Samples and sampling techniques	-	10	10			1,2	1,2,3,4	-	√			
Isolation and identification of parasites and parasitic infections	-	12	12			1,2,4	1,2,3,4	--	√	√	√	√
-Methods of diagnosis of Parasitic infections	-	44	44			1,3,4,5	1,2,3,4	-	√	√	√	√
common steps for preparation of permanent samples	-	22	22			1,3,4,5	1,2,3,4	-	√	√	√	√
Total	88	88	176									