



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

**Department of Medical Parasitology
Course specifications**

**Medical Parasitology for Tropical
Medicine & infectious diseases
Master & Diploma degree**

2016-2017

Tropical Medicine & infectious diseases Master & Diploma degree
University: Tanta Faculty: Medicine Department: Medical Parasitology

A- Administrative Information

1- course title: medical parasitology for Master & Diploma degree of Tropical Medicine & infectious diseases

2- Department offering the program: Tropical Medicine & infectious diseases Department

3- Department responsible for the course: Medical Parasitology Department

4- Course code: Trop. 8002 & Trop. 7002.

5- Level: First part Diploma

6- No. of Credit hours: 01 hour 10 min (15 Taught hours).

Lectures: 10 Tutorial: 02 Practical: 11 Total: 17.5 hours.

7- Authorization date of course specification: 1/11/2016

B- Professional Information

1 - Overall Course aims:

the course aims to prepare a person having broad information about the science of medical Parasitology in its different topics; including:

- 1) Correlation of basic information with the clinical presentations of parasitic disease.
- 2) Decision of appropriate diagnostic tools.
- 3) Awareness about the epidemiological and environmental impacts of the parasitic diseases; and how to plan and share in solving the subsequent problems.

2 - Intended learning outcomes (ILOs):

A- knowledge and understanding:

By the end of the course, students should be able to:

- a.1- Describe the world distribution of parasite and explain the factors determining such distribution and their socioeconomic impact on the community
- a.2- Identify the medically important parasites, with the host parasite relationship.
- a.3- Describe the various aspects of the parasites and their diseases (life cycle, pathology and pathogenesis, clinical aspects, expected complication, line of diagnosis and treatment)

b. Intellectual skills:

By the end of the course the candidate will be able to:

- b.1-Analyze medical problems related to parasitic infections.
- b.2- Correlate clinical manifestations with the causative parasite and their pathogenesis.
- b.3-Suggest applicable prevention and control programs

c. Professional and practical skills:

By the end of the course the candidate will be able to:

- c.1-Solve clinical problems by referring available data to the possible underlying causes
- c.2-Know how to manipulate infections material in a lab or hospital.
- c.3-Deal with nosocomial infection and parasite infection in immunocompromised patients

d. General and transferable skills:

By the end of the course the candidate will be able to:

- d.1- Use the update methods and technology for obtaining and transferring scientific data.
- d.2-Perform continuous medical educations

3-Course contents

Total: 17.5 taught hours

Topics	No. of hours			
	lecture	tutorial	Clinical/ lab	Self directed learning
Platyhelminthes (Trematodes) Introduction, <i>Fasciola</i> , <i>H. heterophyes</i> , <i>Metagonimus</i> , <i>Fasciolopsis buski</i> , <i>Paragonimus</i> , <i>Clonorchis sinensis</i> , <i>Opisthorchis Schistosoma</i> , Snails	1	1	1	
Platyhelminthes (Cestodes) Introduction, <i>Taenia</i> , <i>H. nana</i> , <i>H. diminuta</i> & <i>D. caninum</i> <i>Echinococcus</i> , <i>Hydatid</i> & <i>Coenurus</i> , <i>D. latum</i> & sparganosis	1		1	
Nemathelminthes	2		2	

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(Nematodes) Introduction, <i>E. vermicularis</i> & <i>Ascaris</i> , Hookworms & CLM & VLM, <i>Strongyloides stercoralis</i> <i>T. trichiura</i> & <i>Trichostrongylus</i> & <i>Trichinella spiralis</i> , <i>Capillaria</i> & <i>Filaria</i> & <i>Dracunculus</i>				
Protozoa Introduction & <i>Balantidium</i> <i>Amoeba</i> & Free living <i>Amoeba</i> Intest. Flagellates, <i>G. lamblia</i> , <i>Trichomonas</i> & <i>D. Fragilis</i> <i>Plasmodium</i> spp. & <i>Babesia</i> & <i>Toxoplasma</i> , <i>Cryptosporidium</i> , <i>Isospora</i> & <i>Sarcocystis</i> spp. <i>Leishmania</i> & <i>Trypanosomes</i>	3	1	2	
Medical arthropods Mosquitoes - Sand fly-Flies- Fleas, Lice, Bugs Ticks & Mites	2		1	
Line of diagnostic techniques	1		1	
Imaging			3	
Annual Workshop				
TOTAL	10	2	11	
	17.5			

4-Teaching and learning methods

Throughout the course the candidate achieves these objectives by the following activities.

A- Attending Lectures.

B- Attending Seminars:

C- Attending a Practical Course that Covers:

1. Identification of different clinical signs of parasitic infections.
2. Different radiological and imaging techniques for diagnosis of parasitic infections.

5-Student Assessment

5.1 Written examination: to assess a.1/a.2/a.3/b.1/b.2/b.3

5.2.1 Oral: to assess a.1/a.2/a.3/b.1/b.3/c.1/c.2/c.3

5.2.2 OSPE: to assess a.1/ b.3/c.1/c.2/c.3

5.3 Research assignment: to assess d1 & d2

- Assessment schedule

After completing the course, the candidate will be eligible to enter written, oral, and practical exams. Exam is hold twice / year at February and August according to post graduate bylaws

6- Weighing of assessments

Written examination	30
Oral examination	20
Other types of assessment (formative only)	
Total	50 degree

7 - List of references

7.1 Course notes: the staff lectures, Book edited by staff members of the Parasitology department

7.2 Text book; Human parasitology

By Burton Jerome Bogitsh, Clint Earl Carter, Thomas N. Oeltmann 2005.

7.3 Recommended books

An introduction to Parasitology.

By Bernard E Matthews. Copyright. Cambridge University Press. 1998

Modern Parasitology.

Textbook of Parasitology. By Francis E and G Cox. Wiley Blackwell, Copyright. 1993

Principles and Practice of Clinical Parasitology.

Edited by S. Gillespie & Richard D. Pearson. Copyright © 2001 by John Wiley & Sons Ltd, Baffins Lane, Chichester, West Sussex PO19 1UD, England.

Human parasitology

By Burton Jerome Bogitsh, Clint Earl Carter, Thomas N. Oeltmann 2005.

7.4 Periodicals and web sites

International Web site :

http://en.wikipedia.org/wiki/List_of_human_parasitic_diseases

http://emedicine.medscape.com/infectious_diseases-PARASITIC_INFECTIONS

<http://www.cdfound.to.it/html/intpar1.htm>

<http://www.wormdigest.org/content/view/157/2/>

<http://www.parasitology.com/worms/index.html>

<http://www.cdfound.to.it/atlas.htm>

<http://www.soton.ac.uk/~ceb/EctoEndodirectory/medendolinks.htm>

<http://homepages.ed.ac.uk/cpb/websites.htm>

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<http://4smart.net/dir/sites/368-83115/Molecular-and-Biochemical-Parasitology>

<http://www.parasitology.com/resources/index.html>

<http://www.stumbleupon.com/su/36JahK/instruction.cvhs.okstate.edu/JCFOX/HTDOCS/CLINPARA/Index.htm>

<http://www.slideworld.org/slidestag.aspx/Medical-Parasitology>

8-Other resources/ facilities required for teaching and learning to achieve the above ILOs

None

9-We certify that all of the information required to deliver this course is contained in the above specifications and will be implemented

We verify that the above course and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

Name.....Signature.....

Name.....Signature.....Date.....

Head of quality assurance unit:

Name.....Signature.....Date.....