



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

**Department of Medical Parasitology
Course Specifications**

**Medical parasitology for Public Health
Master & Diploma degree**

2016-2017

Public Health Master & diploma degree Course specifications
University: Tanta Faculty: Medicine Department: Medical Parasitology

A- Administrative Information

- 1-Course title: Master & Diploma degree of Public Health
- 2- Department offering the program: Public Health Department
- 3- Department responsible for the course: Parasitology Department
- 4- Course code: Comm. 8002 & Comm. 7002.
- 5- Level: First part master
- 6- No. of Credit hours: 1.75 hours (30 Taught hours).
- Lectures: 10 Tutorial:4 Practical: 22.5 Others:1 Total: 60
- 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 for appropriate survey data.
- 3) Awareness about the epidemiological and environmental impacts of the parasitic diseases; and how to plan and share in solving the subsequent problems through integrated control program.

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 immunity
- 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, treatment and expected complication)
- a.4-Mention the methods of prevention and control of infection on individual community levels.

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-Formulate and rearrange dispersed data related to parasitic infections and to be able to present them in a clear concise form.

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- Assess and perform appropriate methods to establish a proper diagnosis

c.3- Perfect microscopic examination and staining of different medical parasites.

c.4-Deal with nosocomial infection and parasite infection in immuno-compromised patients

d. General and transferable skills:

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

d.1- Direct or share in a teamwork aiming at solving an environmental problem

d.2-Use the update methods and technology for obtaining and transferring scientific data

d.3-Arrange with community units for planning and achieving a field plan to combat an environmental health problem

d.4-Perform continuous medical educations.

3-Course contents

Total: 60 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</i> <i>Schistosoma</i> & Snails	1	2	3	
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		2.5	

Topics	No. of hours			
	lecture	tutorial	Clinical/ lab	Self directed learning
Nemathelminthes (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</i> <i>spiralis</i> <i>Capillaria</i> & <i>Filaria</i> & <i>Dracunculus</i>	2	1	4	
Protozoa Introduction & <i>Balantidium</i> <i>Amoeba</i> & Free living <i>Amoeba</i> Intest. Flagellates, <i>G. Iamblia</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> <i>Leishmania</i> & <i>Trypanosomes</i>	3	1	4	
Medical arthropods Mosquitoes & Sand fly, Flies Fleas, Lice, Bugs Ticks & Mites	2		4	
Line of diagnostic techniques	0.5		1	
Prevention & control	0.5			
Imaging			2	
Annual Workshop			2	1
TOTAL	10	4	22.5	1
	60			

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.

3. Identification of different medically important arthropods.

5-Student Assessment

5.1 Written examination: to assess a.1/a.2/a.3/a.4/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/d3

- 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	45
Oral examination	30
Other types of assessment (formative only)	
Total	75 degrees

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>
- <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

<p>We verify that the above course and the analysis of students and external evaluator opinions are accurate.</p> <p>Course coordinator and head of department Name.....Signature..... Name.....Signature.....Date.....</p> <p>Head of quality assurance unit: Name.....Signature.....Date.....</p>
