

## Course specification of Parasitology for Hepatology medicine master

### **A- Administrative Information**

**Course Title:** Parasitology course

**Code:** HEPT714

**Department giving the course:** Parasitology Department

**Program on which the course is given:** Master of Hepatology medicine

**Department offering the Program:** Hepatology medicine Department

**Academic level:** 1<sup>ST</sup> part

**Date of specification/revision:** 2011

**Date of approval by Departmental and Institute Council:** 2011

### **B- Professional Information**

#### **1 – Overall aims of course:**

- 1-Perfection in bases of scientific research uses of research tools.
- 2-Application of analytical methods Parasitology.
- 3-Awareness with Current Problems related to liver.
- 4-Identification of problems and finding new solutions.
- 5-Perfection in suitable range of working skills and use of technology to serve his career.
- 6-Awareness by his role in community development.
- 7-fair, responsible, accurate and honest.
- 8-Continous working to increase Knowledge, profession.

#### **2 – Intended learning outcomes of course (ILOs)**

##### **b- Knowledge and Understanding:**

- a1-Identify bases and theories and what is new in Parasitology and related fields to liver.
- a2-Appraise new researches in parasitology.
- a3-Approve ethical and legal considerations of practical work in parasitology.
- a4- Apply rules and bases of quality control application in parasitology.

##### **c- Intellectual skills**

- b 1- Analyze and evaluate data in his field.
- b2- Solve problems depending on available data.
- b3- Use all data and facilities for solving work problems.
- b4-Carry out and write reports.

#### **d- Professional and practical skills**

c 1 Perfect basic and new skills in parasitology.

#### **e- General and transferable skills**

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

d 1-Perform active and good connection at all

d2-Use of data technology for work.

d3- Assess self and others.

d4-Use all available sources to get knowledge.

d5-Work in team.

#### **3- Contents:**

Parasitology including Helminths, Arthropoda, Protozoa and a practical course.

<b>Topic</b>	<b>Theoretical hours</b>	<b>Laboratory/ Practical</b>	<b>Total</b>
1- Helminths	4	3	7
2- Arthropoda	4	3	7
3- Protozoa	3	3	6
<b>Total hours</b>	11	9	20

**Introduction of Trematoda + Fascioliasis ( *Fasciola gigantica* & *F. hepatica*)**

**Halzon + *H. heterophyes* + *Paragonimus***

**Schistosomiasis (*S.haematobium* + *S.mansoni*+*S.japoniceum*)**

**Snails + introduction of Cestodes + *D.latum***

***D.mansoni* + *T.saginata* + *T. Solium***

**Cysticercosis + *E.granulosus* + Hydatid disease**

***M.multiceps* + *Ceonusis* + *H. nana*+ *H.diminuta* + *D.caninum*.**

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**Introduction of Nematoda + Ascariasis**

***Trichuris trichura* + *E.vermicularis* + Hook worms.**

***Trichostrongylus* + *Srongyloides*+*Capillaria philippiaensis***

**Filariasis**

***D.medenensis* + visceral larva migrans+ cut. Larva migrans**

**Introduction of Arthropoda+ Mosquitoes**  
**Introduction of Protozoa+ Malaria**  
**Sand fly+ Leishmaniasis**  
**Musca+ Stomoxyes+ E. histolytica**  
**Free living Amoebae + B.coli + Giardia**  
**Trichomonas vaginalis + commensal of flagellates+ Blastocystis**  
**Glossina+ Trypanosomiasis**  
**Coccidia**  
**Calliphoridae+ Myiasis+ fleas**  
**Lice+ Bugs**  
**Ticks+Scorpion**  
**Mites+ Cyclops**

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

4.1 lectures

4.2 Seminars& discussions

4.3 Practical training

#### **5- Student assessment methods**

5.1 Written exam to assess ( a1, a4, b2, b3, c1 , d 4)

5.2 Oral exam to assess (a2, b1, b2, b3,c1, d1, d4)

5.3 Slide and cards exams to assess(a1,b1,b4,d2)

5.4 Parasitological examination of specimens to assess(a3,a4,b2,b4,d5)

#### **Assessment schedule**

One written exam 3 hour in Parasitology(150 marks) + oral (50 marks)

#### **Weighting of assessments**

Final written exam:75%

Oral exam: 25%

Total: 100%

#### **6- List of references**

6.1- Course notes

The department practical books and atlas by prof. Dr. Nashaat El Sayed Nassef.

6.2- Essential books (text books)

The department text books :Medical parasitology part 1 and 2 by prof. Dr. Nashaat El

Sayed Nassef.

Medical Parasitology

Diagnostic medical Parasitology

Manthou's tropical medicine

6.3- Recommended books

Basic clinical Parasitology,

Foundations of Parasitology, 5<sup>th</sup> ed., Roberts L.S. and Janovy J. (eds),  
Wm. C. Brown,  
Inc.

6.4- Periodicals, Web sites, etc

Journal of tropical medicine and hygiene.

Annals of tropical medicine and parasitology.

American journal of tropical medicine.

Parasitologists united Journal.

- **Web sites**

<http://www.asp.uni.edu>

<http://www.parasitology.org.uk>

<http://www.dpd.cdc.gov/dpdx>

<http://www.parasite.biology.qiowa.edu>

<http://www.sciencedirect.com>

<http://www.pubmed.com>

## **7- Facilities required for teaching and learning**

7.1- Overhead projectors

7.2- Computers

7.3- Microscope slides

7.4- Laboratories instruments

7.5- Internet club

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

**Course coordinator:**

**Name: Prof. Dr. Soreyya Sherief**

**Head of Department of Parasitology**