

# Course Specification : Basics of Parasitology for Master of Paediatrics Hepatology

## **A- Administrative Information:**

- 1) **Course Title:** Parasitology for paediatrics hepatology
- 2) **Department giving the course:** Parasitology Department
- 5) **Department(s) offering the program:** paediatrics hepatology
- 6) **Semester:** 1st part
- 7) **Date of approval by National institute of liver 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
- 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-Continuous working to increase Knowledge, profession.

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

#### **A- Knowledge and Understanding:**

- a1- Recognize bases and theories and what is new in Parasitology and related fields.
- a2- Evaluate new researches in parasitology.
- a3- Apply ethical and legal considerations of practical work in parasitology.
- a4-State rules and bases of quality control application in parasitology.

#### **B- Intellectual skills:**

- B1- Evaluate data in his field.
- B2- Use all data and facilities for solving work problems.
- B3-Write and evaluate reports.

#### **C- Professional and practical skills:**

- C 1 Perfect basic and new skills in parasitology.
- C 2 Use current tools in parasitology (Immunodiagnostic tests as ELISA, and PCR).

#### **D- General and transferable skills:**

- D1-Use of data technology for work.

D2-Use of all available sources to get knowledge.

D3-Work in team.

D4-Learn himself continuously

**3-Content:**

**Parasitology including Helminths, Protozoa and a practical course**

Total	Laboratory/ Practical	Theoretical hours	Topic
2		2	Introduction of Trematoda + Fascioliasis ( <i>Fasciola gigantica</i> & <i>F. hepatica</i> ) Halzon + <i>H. heterophyes</i> + <i>Paragonimus</i>
2		2	Schistosomiasis ( <i>S.haematobium</i> + <i>S.mansoni</i> + <i>S.japoniceum</i> ) Snails + introduction of Cestodes + <i>D.latum</i>
2		2	<i>D.mansoni</i> + <i>T.saginata</i> + <i>T. Solium</i> Cysticercosis + <i>E.granulosus</i> + Hydatid Disease
2		2	<i>M.multiceps</i> + Ceonurosis + <i>H. nana</i> + <i>H.diminuta</i> + <i>D.caninum</i> . Introduction of Nematoda + Ascariasis
2		2	<i>Trichuris trichura</i> + <i>E.vermicularis</i> + Hook worms. <i>Trichostrongylus</i> + <i>Srongyloides</i> + <i>Capillaria</i> philippiaensis
2		2	Filariasis , <i>D.medenensis</i> + viscerallarva migrans+ cut. Larva migrans
2		2	Introduction of Protozoa+ Malaria Leishmaniasis

3		3	E. histolytica Free living Amoebae + B.coli + Giardia
3		3	Trichomonas vaginalis + commensal of flagellates
3		3	Blastocystis Trypanosomiasis, Coccidia
23		23	<b>Total hours</b>

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

4.1 lectures

4.2 Seminars& discussions

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

5.1- Written Examination for assessment of knowledge and understanding and intellectual skills

5.2- Oral Examination for assessment of knowledge and understanding outcomes, intellectual skills, and general skills

5.3- Practical Examination for assessment of practical and intellectual skills.

#### **Assessment schedule**

One written exam of 1.5 hours in parasitology + oral exam

#### **Weighting of assessments**

1- Written exam 70% of all marks

3- Oral exam 30 % of all marks

Total 100%

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

##### **6.1 - 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

Manthon's tropical medicine

##### **6.2 - Recommended books**

Basic clinical Parasitology,

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

##### **6.3 - Periodicals, Web sites, etc**

Journal of tropical medicine and hygiene.

Annals of tropical medicine and parasitology.

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American journal of tropical medicine.

Parasitologists united Journal.

<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- Resources / Facilities required for teaching and learning achieving the above ILOs**

Computers and data shows.

*We certify that all of the information required to deliver this course is contained*

*in the above specification and will be implemented*

**Head of the department: Prof . Dr. Thoria Sarif**