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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: 1ST 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-Continuous 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.

Topic	Theoretical hours	Laboratory/ Practical	Total
1- Helminths	4	3	7
2- Arthropoda	4	3	7
3- Protozoa	3	3	6
Total hours	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

Manthon's tropical medicine

6.3- Recommended books

Basic clinical Parasitology,

Foundations of Parasitology, 5th 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