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.

<table>
<thead>
<tr>
<th>Topic</th>
<th>Theoretical hours</th>
<th>Laboratory/Practical</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- Helminths</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>2- Arthropoda</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>3- Protozoa</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total hours</strong></td>
<td><strong>11</strong></td>
<td><strong>9</strong></td>
<td><strong>20</strong></td>
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</tbody>
</table>

Introduction of Trematoda + Fascioliasis (Fasciola gigantica & F. hepatica)
Halzon + H. heterophyes + Paragonimus
Schistosomiasis (S. haematobium + S. mansonii + S. japoniceum)
Snails + introduction of Cestodes + D. latum
D. mansoni + T. saginata + T. Solium
Cysticercosis + E. granulosus + Hydatid disease
M. multiceps + Ceonurosis + H. nana + H. diminuta + D. caninum.

Introduction of Nematoda + Ascarisiasis
Trichuris trichura + E. vermicularis + Hook worms.
Trichostrongylus + Strongyloides + Capillaria philippiaensis
Filariasis
D. medenensis + visceral larva migrans + cut. Larva migrans
Introduction of Arthropoda+ Mosquitoes
Introduction of Protozoa+ Malaria
Sand fly+ Leishmaniasis
Musca+ Stomoxys+ E. histolytica
Free living Amoebae + B.coli + Giardia
Trichomonas vaginalis + commensal of flagellates+ Blastocystis
Glossina+ Trypanosomiasis
Coccidia
Calliphoridae+ Myasis+ 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, d4)
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