COURSE SPECIFICATION

(Parasitology)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Programme for Postgraduate master degree of Medical Microbiology and Immunology
(2) Department offering the programme:	Microbiology and Medical Immunology.
(3) Department responsible for teaching the course:	Medical Parasitology.
(4) Part of the programme:	First part
(5) Date of approval by the Department`s council	7/8/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Medical Parasitology
(8) Course code:	MIC508
(9) Credit hours	1.5 hours lectures- 0.5 h practical
(10) Total teaching hours:	(22.5 lectures,15 h practical)

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

Promote the student with knowlege about:

- Parasites of medical importance and formulate reasoned diagnosis of parasitic diseases.
- Parasite biology, life cycles, host-parasite relationship, environmental and host factors regulating parasitic diseases.
- The epidemiology and transmission patterns of parasites as an essential prerequisite for the development of effective control programs.
- Pathogenic potential, pathogenesis, clinical picture and complication of parasitic organisms.
- Endemic parasites and national parasitic problems.
- The general outlines of parasite treatment and control.

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A.1. Recognize the morphological characteristics, life cycles, methods of transmission of medically important helminths.
A.2. List morphological characteristics, life cycles, methods of transmission of medically important protozoa.
A.3. describe morphological characteristics, life cycles and recognize diseases caused or transmitted by medically important arthropods.
A.4. Discuss the geographical distribution of important parasites.
A.5. Host-parasite interaction, how parasites harm their hosts and the major immunological responses underlying this.
A.6. Identify clinical picture associated with parasitic infections.
A.7. Recognize the different diagnostic techniques for detecting parasites.
A.8. Classify the major groups of antiparasitic drugs and know the different prophylactic strategies to control parasitic diseases.
A.9 list the opportunistic parasites and zoonotic and nosocomial infections.

B- Intellectual skills

B1- Analyse problems based exercises.
B2- Apply the suitable diagnostic techniques concerning the parasitic problems encountered (microscopy, serology or molecular …etc)
B3- Interpret the clinical and laboratory findings to reach proper diagnosis.
B4- Use guidelines for a control program for a particular parasitic disease.

C- Professional/practical skills

C 1- Assess the parasites, their different stages or their body parts.

C 2- Perform mounted slides and their content.

C3- Perform method of manipulation infectious materials in lab or hospital.

C4- Carry out lab specimens (body fluids, excreta or infected tissue).

C5- Apply the proper infection control measures in a hospital.

D- Communication & Transferable skills

D 1- Learn skills for the scientific literatures on a research topic.

D 2- Cooperate in teams to solve community parasite problems.

D3- Communicate with health authorities and who as regards exotic and newly emergent parasitic diseases or outbreaks caused by parasites.

(3) Course content:

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
Introduction	1 hours	-----		-----	1hours
Trematodes	2hours		2 hours		3 hours
Cestodes	2hours		2 hours		3 hours
Nematodes	2.5hours		2 hours		5.5hours
Protozoa	4hours		2 hours		6hours
Immunology of parasitic diseases	4hours		2 hours		6hours
Zoonoses	1hours		2 hours		2hours
Nosocomial and opportunistic parasitic infections	2hours				3hours
Molecular parasitology	1 hour				2hours
Laboratory techniques			2 hours		2hours
Arthropods	3 hours		1 hours		4hours

(4) Teaching methods:

4.1: Lectures

4.2: Seminars

4.3: Laboratory classes.

4.4: Attending workshops and conferences

4.5 Observation of, assisting and discussion with senior medical staff

(5) Assessment methods:

5.1:Written exam for assessment of knowledge and intellectual ILOs

5.2: Structured Oral exam for assessment of knowledge and intellectual ILOs

5.3:OSPE Practical exam for assessment of knowledge ,intellectual,practical and transferable ILOs

MCq continuous assessment for assessment of knowledge and intellectual ILOs

Assessment schedule:

Written, oral, OSPE exams: Final Msc exam **week/month** 2 semesters from admission to the degree

MCQ exams at the end of each semester

Percentage of each Assessment to the total mark: (assessment of the total parasitology course)

Written exam: 36 marks, that is 48% of the total marks

PSPE practical exam: 15 marks ,that's is 20% of the total marks

Structured Oral exam : 15 marks ,that's is 20% of the total marks

MCQ: 9 marks, that's is 12% of the total marks

Other types of assessment:……**None**…… .%::……

Other assessment without marks:

1-Candidate Logbook which should be fulfilled and signed by Head of the department.

1- Attendance Criteria: Minimum acceptance attendance is 75%

(6) References of the course:

6.1: Hand books: Department theoretical books

6.2: Text books:

1. Basic clinical parasitology (Brown and Neva)
2. Color Atlas of parasitology
3- Medical parasitology (Markell, Vogue, and Jhon)
4- Tropical medicine and parasitology (Peters and Gills)

6.3: Websites and Journals:

1. Parasitology today (Trends in Parasitology) Journal.
2. Advanced pubmed web sites.
3. CDC web site.

1. **Facilities and resources mandatory for course completion:**
    1. Lecture halls and smart board.
    2. Data shows and computer assistance.
    3. Microscopes and microscopic slides.

Course coordinator: Dr. Nawal Salama

Head of the department: Prof. Dr. Mohammad Abou El ela

Date:

P.S. This specification must be done for each course.