



## COURSE SPECIFICATION

Msc. Tropical medicine –Second part

Faculty of Medicine– Mansoura University

### (A) Administrative information

(1) Program offering the course.	Msc. Tropical Medicine (TROP 512 TIE) (TROP 512TMC) (TROP 512IDC)
(2) Department offering the program.	Tropical Medicine
(3) Department responsible for teaching the course.	Tropical Medicine
(4) Part of the programme.	Second Part – Tropical medicine& infectious diseases
(5) Date of approval by the Department`s council	27/5/ 2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Tropical medicine& infectious diseases
(8) Course code.	TROP 512 TIE

	TROP512TMC TROP512IDC
(9) Credit hours	14 credit hour
(10) Total teaching hours	135 hour lectures 150 hour clinical

(B) Professional information

(1) **Course Aims.**

The broad aims of the course are as follows.

- 1- Provide updated knowledge and skills of basic aspects and clinical skills of Tropical, infectious diseases**
- 2- Getting and updating knowledge from scientific interactions and caring for patients and continued medical education CME in Tropical medicine**
- 3- Provide training in scientific medical research and communication skills necessary for effective practice**

## **(2) Intended Learning Outcomes (ILOs):**

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

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

- A1 Discuss basic concepts of biology, immunology, diagnosis, management, prevention and control of infectious diseases
- A2 Recognize the differential diagnosis of common infectious conditions presented in primary health care setting
- A3 Identify relative risks, benefits and outcomes of treatment options of locally endemic infectious diseases with emphasis on viral hepatitis and shistosomiasis
- A4 Describe pathogenesis, diagnosis, management and principles of prevention of life threatening infectious diseases
- A5 Describe geographical distribution, risk factors and principles of disease prevention appropriate for specific patient populations within the community and internationally
- A6 Review basic principles of medical research and medical biostatistics
- A7 Discuss up to date knowledge in infectious diseases from scientific interactions and caring for patients and continued medical education CME.

### **B- Intellectual skills**

- B1. Construct appropriate management strategies (both diagnostic and therapeutic) for patients with endemic diseases
- B2. Formulate an initial course of management for patients with serious infectious conditions requiring critical care
- B3. Select appropriate tests for detecting patients at risk for certain infectious diseases or in the early stage of disease and determine strategies for responding appropriately
- B4. Propose clinical decisions regarding diagnosis and management of infectious disorders

## **C-Professional Practical Skills**

- C1. Interpret patient's history, physical symptoms, physical signs and laboratory findings in terms of anatomic, pathologic and functional diagnostic significance
- C2. Categorize the most frequent clinical, laboratory, radiologic findings of common endemic diseases with prioritization of the common possibilities for each problem
- C3. Predict the most appropriate diagnostic procedures for each problem and use Evidence Based Medicine in management decisions.
- C4. Perform and interpret the results of commonly used diagnostic procedures such as ECG, abdominal ultrasound, upper and lower gastrointestinal endoscopy, ultrasound guided liver biopsy and how to use these data in the diagnosis, management and follow up of cases and to monitor drug therapy.
- C5. Perform routine technical procedures including at a minimum arterial puncture, inserting a Foley's catheter., thoracocentesis and paracentesis
- C6. Apply principles of sterilization and infection control regulations on hospital and community levels
- C7. Organize medical records including: admission sheets, progress notes, referrals for consultation, discharge summaries and follow up notes
- C8. Apply epidemiological methods to the investigation, prevention and control of infectious diseases in developing countries

#### D- Communication & Transferable skills

- D1. Establish professional relationships with patients, their families characterized by understanding, trust, respect and confidentiality
- D2. Explain medical conditions to the patient and family in a human manner, encourage discussion and promote the patient's participation in decision making
- D3. Manage time and resources effectively and set priorities.
- D4. Work efficiently within the health care team and cope with a changing work environment.
- D5. Solve problems related to patients, work management, and among colleagues.
- D6. Evaluate their work and that of others using constructive feedback.
- D7. Use information and communication technology effectively in the field of medical practice.
- D8. Develop and deliver a teaching module and guide learners in a work setting

#### (3) Course content.

Subjects	Lectures	Seminars	Clinical	Field
Fever	5		10	
Parasitic diseases	20		20	
Bacterial infections	20		25	
Viral infections	20		20	
Hospital infections	10		20	
Zoonosis	10		10	
Environmental disorders	10		10	
System oriented disease in trop	10		10	
Tropical Malignancies	10		10	
Diseases of the immune system	10		10	
Diagnostic and therapeutic toc	10		10	
Total credit hours	9		5	
TOTAL teaching hours	135		150	

**(4)Teaching methods:**

4.1. Lectures

4.2. Clinical demonstration and bed side clinical teaching

4.3. observation of bedside diagnostic procedures

4.4. Problem-solving (case study) sessions

4.5. Training for both diagnostic and therapeutic procedures.

**(5) Assessment methods:**

5.1. Written exam for assessment of...(A1 to A7)

5.2. Oral exam for assessment of.....(A1 to A7) (B1to B4) and D4

5.3. MCQ exam for assessment of.....(A1 to A4)

5.4. OSCE exam foe assesement of.....( B1 to B4) (C1 to C8) and( D1 to D8)

**Assessment schedule.**

Written exam (50%) 120 marks

Oral exam: (25%) 75 marks

MCQ: (20% of written) 30 marks

OSCE: (25%) 75 marks

**Other assessment without marks.**

-Log books for presenting clinical cases

**(6) References of the course.**

- 6.1. Hand books: Oxford Handbook of Tropical Medicine, A guide to physical examination, Barbara Bates, Colour Atlas of Tropical Medicine and Parasitology.
- 6.2. Text books: Manson's Tropical diseases, Hunter Tropical Medicine and Emerging Infectious Diseases, Harrison's Principle of internal medicine, Cecil Textbook of medicine.
- 6.3. Journals: Journal of Tropical Medicine and Hygiene, American journal of tropical medicine, Journal of clinical microbiology, Journal of virology.
- 6.4. Websites: <http://www.asp.unl.edu>, <http://www.parasitology.org.uk>, <http://www.dpd.cdc.gov/dpdx>, <http://www.phage.org/black09.htm>, [http://www.microbe.org/microbes/virus or bacterium.asp](http://www.microbe.org/microbes/virus%20or%20bacterium.asp), <http://www.bact.wise.edu/bact330/330Lecturetopics>, <http://www.microbelibrary.org>, <http://www.hepnet.com/hepb.htm>
- 6.5. Others: Lecture CDs available on request.

**(7) Facilities and resources mandatory for course completion.**

- 1- lecture hall.
- 2- Teaching aid as computer, data show projector, laser pointer.
- 3- Clinical Facilities in tropical unit during field visits including the inpatient rooms, the endoscopy unit and the Ultrasound guided intervention unit.
- 4- skill lab

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Assistant : Dr. Mohamed EL Diasty  
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Head of the department: Prof. Mahmoud El-Bendary

Date: