



## COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

### (A) Administrative information

(1) Programme offering the course.	Medical Doctorate in Tropical Medicine
(2) Department offering the programme.	Tropical Medicine
(3) Department responsible for teaching the course.	Tropical Medicine
(4) Part of the programme.	3 <sup>rd</sup> part
(5) Date of approval by the Department's council	11-5-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Tropical Gastroenterology
(8) Course code.	TROP 612GIT
(9) Credit hours.	11 hours
(10) Total teaching hours.	7 theoretical, 2 clinical and 2 field hours

(B) Professional information

(1) **Course Aims.**

The broad aims of the course are as follows.

**The aim is to enable students to understand the pathogenesis and biology of gastrointestinal disorders and their interaction with the host and to use this knowledge in combination with epidemiological and public health approach to develop rational strategies for the control and treatment of these disorders, also to gain clinical experience in management of gastrointestinal diseases and its sequelae on the society.**

## (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. Identify the Symptoms and signs of disorders affecting the gastrointestinal tract and recognize clinical, laboratory, radiological and pathological aspects concerning these topics.
- A-2. Recognize how to approach the patient with Gastro-intestinal emergencies disorder and in an organized matter.
- A-3. Explain the clinical consequences of most of Mouth and oesophagus conditions and its clinical implications.
- A-4. Memorize Stomach disorders and be able to diagnose it appropriately.
- A-5. Identify Malabsorption and get the best approach towards its management
- A-6. Recognize the differential diagnosis and diagnostic methods of Infection and review its treatment and general management plane.
- A-7. Describe Motility And functional Bowel diseases and its pathological origin.
- A-8. Identify on scientific basis Inflammatory Bowel disease and relate clinical features to the optimum precise diagnosis and set a management protocol for each disorder.
- A-9. Recall the recent international guidelines for management of Colorectal cancer and set a plane for practical intervention
- A-10. Describe the important aspects of pouches and stomas and the most recent diagnostic and treatment options.
- A-11. Recognize diverticular disease and identify how to manage it and relate its importance to functional bowel disorders in general.
- A-12. Identify all about pancreatic disorders and review the recent classification systems to manage acute and chronic pancreatitis.
- A-13. Define recent advances in endoscopy and recognize advanced techniques in management of various gastrointestinal disorders.

## B-Intellectual skills

- B1-Construct appropriate management strategies for patients with common gastrointestinal conditions, both acute and chronic, and those requiring short- and long-term treatment.
- B2- Formulate and construct an initial course of management for patients with serious gastrointestinal conditions requiring critical care
- B3- Assess factors that place individuals at risk for disease or injury, to select appropriate tests for detecting patients at risk for specific diseases or in the early stage of disease, and to determine strategies for responding appropriately
- B4- Determine, analyze, and synthesize relevant and current data and literature, using information technologies and library resources, in order to help solve a clinical problem (EBM)
- B5- Propose clinical decisions utilizing methods, which integrate the best research evidence with clinical expertise and patient values (EBM)
- B6- Appraise and cope with uncertainty by; accepting that uncertainty is unavoidable in the practice of medicine and using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises.

### C-Professional/practical skills

- C 1- Estimate problems and select the most appropriate and cost effective diagnostic procedures for each problem. Interpret patient's history, physical symptoms, physical signs and laboratory test findings in terms of anatomic, pathologic and functional diagnostic significances.
- C 2- Categorize the most frequent clinical, laboratory, radiologic, and pathologic manifestations of common diseases with prioritization of the common possibilities for each problem.
- C 3- Perform routine technical procedures including at a minimum arterial puncture, lumbar puncture, inserting a nasogastric or Sungstaken tube.
- C 4- Appropriate management strategies for patients with gastro-intestinal hemorrhage, both in acute and chronic states, and those requiring short- and long-term treatment.
- C 5- Select, perform and Interpret the results of commonly used diagnostic procedures such as electrocardiography, abdominal ultrasonography, upper and lower gastrointestinal endoscopy.
- C6- The ability to treat the patient as a person, not as a disease and understand that patients are human beings with beliefs, values, goals and concerns which must be respected.
- C 7- Appreciate the role of cultural, social, and behavioral factors in determining disease, disease prevention, health promoting behavior, and medical service organization and delivery.
- C8- Participate actively as member of a multidisciplinary group in disease prevention, national health care programs and in conducting public health surveillance to address specific public health problems and issues.

#### D- Communication & Transferable skills

- D-1. Establish professional relationships with patients, their families and community that are characterized by understanding, trust, respect, sympathy and confidentiality.
- D-2. Deliver information to the patient and family (as appropriate) in a human manner, and in such a way that it is easily understood, encourages discussion and promotes the patient's participation in decision-making.
- D-3. Demonstrate altruism, honesty and integrity and respect in all interactions with patients, families, colleagues, and others with whom physicians must interact in their professional lives.
- D-4. Work collaboratively with other health professionals in other disciplines to maximize patient benefits and minimize the risk of errors.
- D-5. Write clear and concise medical records including: admission sheets, progress notes, and physician's orders, referrals for consultation, discharge summaries and follow up notes.
- D-6. Be aware of the ethical behavior expected of doctors towards patients with recognition of patients' rights, particularly with regard to confidentiality and informed consent.
- D-7. Make effective use of information technology as web and internet. Database work.

**(3) Course content.**

<b>Tropical Gastroenterology</b>	<b>Lectures</b>	<b>Clinical</b>	<b>Field</b>
<b>Symptoms and signs</b>	<b>8</b>	<b>-</b>	<b>-</b>
<b>Gastro-intestinal emergencies</b>	<b>8</b>	<b>10</b>	<b>20</b>
<b>Mouth and oesophagus</b>	<b>8</b>	<b>10</b>	<b>20</b>
<b>Stomach</b>	<b>8</b>	<b>10</b>	<b>-</b>
<b>Malabsorption</b>	<b>8</b>	<b>-</b>	<b>-</b>
<b>Infection</b>	<b>8</b>	<b>-</b>	<b>-</b>
<b>Motility And functional Bowel diseases</b>	<b>8</b>	<b>10</b>	<b>5</b>
<b>Inflammatory Bowel disease</b>	<b>9</b>	<b>-</b>	<b>-</b>
<b>Colorectal cancer</b>	<b>8</b>	<b>-</b>	<b>5</b>
<b>Pouches and stomas</b>	<b>8</b>	<b>10</b>	<b>-</b>
<b>Diverticular disease</b>	<b>8</b>	<b>-</b>	<b>-</b>
<b>Pancreas</b>	<b>8</b>	<b>-</b>	<b>-</b>
<b>Advances in endoscopy</b>	<b>8</b>	<b>10</b>	<b>70</b>
<b>Total teaching hours</b>	<b>105</b>	<b>60</b>	<b>120</b>
<b>Credit hours</b>	<b>7</b>	<b>2</b>	<b>2</b>

**(4) Teaching methods.**

- 4.1. Lectures.
- 4.2. Clinical demonstration and bedside clinical teaching.
- 4.3. Observation of bedside and diagnostic procedures
- 4.4. Problem-solving (case study) sessions
- 4.5. Training for both diagnostic and therapeutic procedures.
- 4.6. Tutorial
- 4.7. Seminars
- 4.8. Workshops

**(5) Assessment methods.**

- 5.1. Written exam. For assessment of A1 to A13 and B1 to B6
- 5.2. Structural oral exam. For assessment of A1 to A13 B1 to B3.
- 5.3. OSCE exam. For assessment of B1 to B7, C1 to C8, D1 to D7.
- 5.4. MCQ exam. for assessment of A1 to A13 and B1 to B6

Assessment schedule.

Assessment 1.

After 6 month from M.D. registration (without marks).

Assessment 2.

After 30 month from M.D. registration (written, oral and practical exam with marks).

Assessment 3.

Log book required activities to go through 2<sup>nd</sup> part examination.

Assessment 4.

Practical tests and/or exam as well as the seminar throughout the course and lab rotation (without marks).

Assessment 5.

The candidate should prepare and present at least one seminar in atopic related to the course and determined by the supervisors in front of the department staff (without marks).

**(6) Percentage of each assessment to the total mark (160)**

Written exam: (80)

OSCE: (30)

Oral exam: (30)

MCQ: (20)

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

6.1. Hand books.Oxford Handbook of Tropical Medicine, Handbook of Liver Diseases, 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, Diseases of the liver and billiary system by Sheila Sherlock and James Dooley, Oxford text book of clinical hepatology, Sleisenger and Fordtran's gastrointestinal and liver 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 Hepatology, Hepatology, Liver, Gut, Journal of digestive disease, Gastro-intestinal endoscopy, 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/virusorbacterium.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.

**(8) 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.

**Course coordinator:** Dr Mahmoud Abdel-Aziz

**Assistant :** Dr. Muhammad Diasty

Dr. Walaa Shabana

**Head of the department:** Prof. Mahmoud El-Bendary