



## COURSE SPECIFICATION

Msc. Tropical Medicine –First part

Faculty of Medicine– Mansoura University

### (A) Administrative information

(1) Program offering the course.	Msc. Tropical Medicine (TROP)
(2) Department offering the program.	Tropical Medicine
(3) Department responsible for teaching the course.	Physiology
(4) Part of the program.	First part- Physiology
(5) Date of approval by the Department`s council	27/5/2016
(6) Date of last approval of program specification by Faculty council	9/8/2016
(7) Course title.	Physiology
(8) Course code.	TROP 503
(9) Credit hours	0.5 credit hour
(10) Total teaching hours.	7.5 hour

## **(B) Professional information**

### **(1) Course Aims.**

The broad aims of the course are as follows.

#### **1- Provide updated knowledge and understanding of the physiologic background and derangements of infectious disease & tropical disorders**

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

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

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

- A1. Explain physiologic background of infectious diseases & tropical disorders namely, gastrointestinal, hematological, renal, circulatory, metabolic and endocrinal.
- A2. Describe the mechanism of bile formation and physiology of enterohepatic circulation and liver functions.
- A 3. Discuss the physiologic aspects of renal functions and regulatory mechanisms of pH, acid base and electrolytes.
- A 4. Identify the process and determinants of hematopoiesis, hemostasis and plasma composition and function.
- A5. Explain splanchnic and capillary circulations and regulatory mechanisms of shock
- A6 Identify regulation, mechanism of action and physiologic effects of hormones and hormonal regulation of GIT secretion.
- A7 Recognize the regulatory mechanisms of body fluid, body temperature and metabolism.

#### **B- Intellectual skills**

- B1. Integrate the basic science of physiology into clinical practice to explain the various phenomena of infectious diseases & tropical and gastrointestinal disorders
- B2. Relate basics of GIT motility, secretions and physiology of digestion and absorption to pathogenesis of various gastrointestinal disorders

#### **C- Professional/practical skills**

**(3) Course content:**

<b>Subjects</b>	<b>Lectures</b>	<b>Laboratory</b>	<b>Total Teaching Hours</b>
Body temperature & it's regulation	1		0.5
Shock	1		0.5
Splanchnic circulation	1		0.5
Capillary circulation	1		0.5
Acid base balance	1		0.5
Control of extra-cellular volume & osmolarity	1		0.5
Regulation of plasma K <sup>+</sup>	1		0.5
Homeostasis, intake & output	1		0.5
Gastric secretion	1		0.5
Pancreatic secretion	1		0.5
Intestinal secretion	1		0.5
Motility of gastro-intestinal tract	1		0.5
Absorption of gastro-intestinal tract	1		0.5
Liver function & bile salts	1		0.5
Haemostasis	1		0.5
<b>TOTAL</b>	<b>15</b>		<b>7.5</b>

**(4) Teaching methods:**

4.1. Lectures.

4.4. Problem-solving (case study) sessions

**(5) Assessment methods:**

- 5.1....Written exam for assessment of.....(A1 to A7) and (B1, B2 )
- 5.2....Oral exam for assessment of.....(A1 to A7)
- 5.3.....MCQ exam for assessment of.....(A1 to A7)

**Assessment schedule:**

Written exam (60%)	72 marks
MCQ: (20% of written	18 marks
Oral exam: (40%)	60 marks
Other assessment without marks:	no

**(5) References of the course:**

- 6.1: Hand books...Book notes of Physiology department.....
- 6.2: Text books...Ganong Text book of physiology.....
- 6.3: Journals... Journal of digestive disease .....
- 6.1: Websites... <http://www.asp.unl.edu>.....
- 6.1: Others:.....

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

- Lecture hall and data show

Course coordinator: Assistant Prof. Mahmoud Abdel-Aziz Abdel-Hamid  
Assistant : Dr. Mohamed EL Diasty  
Dr. Walaa Shabana

Head of the department: Prof. Mahmoud El-Bendary

Date:

