



COURSE SPECIFICATION **(Emergency Medicine Master Degree)**

Faculty of Medicine- Mansoura University

(A) Administrative information

<input type="checkbox"/> Programme offering the course:	Postgraduate Master degree of Emergency Medicine
<input type="checkbox"/> Department offering the programme:	Pathology department
<input type="checkbox"/> Department responsible for teaching the course:	Pathology department.
<input type="checkbox"/> Part of the programme.	1 st Part
<input type="checkbox"/> Date of approval by the Department`s council	7/8/2016
<input type="checkbox"/> Date of last approval of programme specification by Faculty council	9/8/2016
<input type="checkbox"/> Course title:	Pathology
<input type="checkbox"/> Course code:	EM 505
<input type="checkbox"/> Credit hours	1 h
<input type="checkbox"/> Total teaching hours:	15 h theoretical

(B) Professional information

(1) Course Aims:

The broad aims of the course are to prepare our candidates to:

1- To enable the student to acquire knowledge, skill related to basic pathological processes.

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

- A1-** Identify the general pathological features of inflammation, tissue repair,
- A2:** Recognize different patterns of cell injury and cell death
- A3-** Recognize different forms of circulatory disturbances as atherosclerosis, embolism, gangrene, edema, congestion, thrombosis.....etc.
- A4:** Discuss different aspects of environmental pathology including industrial exposure & physical injury

B- Intellectual skills

- B1** Relate the morphological changes of common and important diseases at macroscopic and microscopic level to clinical conditions
- B2-** Correlate clinical manifestation with pathological mechanisms occurring at the molecular, tissue, organ, and whole body level
- B3-** Predict complications and organize prognostic factors of various diseases

(3) Course content:

Topic	No. of hours
1- Cell injury and cell death	2
2- Inflammation (causes, types, pathogenesis)	3
3- Repair <ul style="list-style-type: none">- Regeneration- Fibrosis & organization- Healing of cutaneous wounds- Healing of bone fractures- Factors affecting healing process	3
4- Hemodynamic disorders disturbances <ul style="list-style-type: none">- Edema- Hyperemia and congestion- Hemorrhage- Hemostasis & thrombosis- Embolism- Infarction & atherosclerosis- Gangrene	5
5- Environmental pathology <ul style="list-style-type: none">- Industrial exposure- Physical injury (thermal & electrical)	2

(4) Teaching methods:

4.1: Lectures

4.2: Seminars

(5) Assessment methods:

5.1: Written exam for assessment of ILOs number; A 1-4, B 1-3

5.2 MCQ exam for assessment of ILOs number; A 1-4, B 1-3

5.3: Oral exam for assessment of ILOs number; A 1-4, B 1-3

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

Written exam: 72

MCQ exam: 18

Oral exam: 60

Other types of assessment:.....None

Other assessment without marks:

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

2- Attendance Criteria: Minimum acceptance attendance is 75%

(6) References of the course:

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|-----------------------------|---|
| 6.1- Course Notes: | Pathology by professors of department |
| 6.2- Essential Books | Robbin's basic pathology text book of pathology |
| 6.3- Recommended Books | Concise pathology & Pathology Illustrated |
| 6.4- Periodicals, Web Sites | www.pathmax.com, ...etc |

(7) Facilities and resources mandatory for course completion:

1. Lecture halls.
2. Data shows and computer assistance.

Course coordinator: Dr. Mona Younes

Head of the department: Prof. Dr. Khaled Zalata

Date: