



COURSE SPECIFICATION

(Applied Pathology- HEM 505)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate Master degree of clinical hematology/HEMA 500
(2) Department offering the programme.	Internal Medicine Department
(3) Department responsible for teaching the course.	Pathology Department
(4) Part of the programme.	First part
(5) Date of approval by the Department's council	26\4\2016
(6) Date of last approval of programme specification by Faculty council	9\8\2016
(7) Course title.	Applied Pathology
(8) Course code.	HEM 505
(9) Total teaching hours.	15 hours
(10) Credit hours	1 credit hour

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

- 1- To educate the candidate basics of general pathology including cell injury, and infection.
- 2- To identify hematological disease's pathology including Hodgkin's disease, NHL & leukemia

(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

A1: To explain etiology, epidemiology, natural history, diagnosis, pathology, staging, and management of neoplastic diseases of the blood, blood-forming organs, and lymphatic tissues.

A2: To identify principles of molecular genetics, the nature of oncogenes and their products, and cytogenetics.

B- Intellectual skills

B4: To correlate clinical information with cytology, histology, and immunodiagnostic techniques.

B5: To interpret the results of blood smears, bone marrow aspiration, and biopsy.

B7: To integrate etiology, epidemiology, natural history, diagnosis, pathology, staging of neoplastic diseases of the blood, blood forming organs and lymphatic tissues.

D- Communication & Transferable skills

D2: To participate in a multidisciplinary case management conference or discussion.

(3) Course contents:

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
(1)General pathology <ul style="list-style-type: none">• Cell injury					

<ul style="list-style-type: none"> • Infection • A-Toxemia • B-Bactremia • C-Septicemia • D-Pyemia • E-Tuberculosis 	3h				
Tumor-Neoplasia- New Growth.	5h				
(2)Special pathology					
<ul style="list-style-type: none"> • Disease of lymphoid tissue and leukemia a-Disease of lymphatic vessels b-Disease of Lymph nodes c-Disease of the spleen d-Hodgkin's disease e-Non Hodgkin's lymphoma f-Acute leukemia g-Chronic leukemia 	1h				
	1h				
	2h				
	1h				
	2h				
	15h				Lect. -15 h

(4) Teaching methods:

4.1: Power point presentation.

4.2: Case discussion.

(5) Assessment methods:

5.1: Written and MCQ exams for assessment of knowledge and intellectual ILOs

5.2: Oral exam for assessment of knowledge , transferable and intellectual ILOs

5.3: MCQ exam for assessment of knowledge and intellectual ILOs

Assessment schedule:

Assessment 1: Final written and oral exam after 6 months of registration to the degree

Assessment2:MCQ at the end of the semester

Marks of each assessment

MCQ exam : 12 marks

Written exam: 48 marks

Oral exam: 40 marks

(5) References of the course:

6.1: Hand books: General pathology for medical students, Pathology department.
Faculty of medicine, Mansoura University

6.2: Text book: -Robbins text book of Pathology

-Ackerman's surgical pathology

- Sternberg surgical pathology and soft tissue tumors

(6) Facilities and resources mandatory for course completion:

-Lecture Halls.

-Data show.

Course coordinator: Prof. Dr Sameh Shamaa

Prof Dr Mohamed Nasr Mabed

Prof Dr Emad Azmy

Head of Hematology Unit: Prof Mohamed Nasr Mabed

Head of the department: Prof. Salah al-Gamal

Date of First Approval: 22/12/2010

Date of Last Approval: 30/03/2016