



Course Specification

Faculty of Medicine – Mansoua University

A) Administrative information

(1) Program offering the course.	Postgraduate Master Degree in Family Medicine
(2) Department offering the program	درجة بيئية
(3) Department responsible for teaching the course.	Clinical Pathology
(4) Part of the program	First part
(5) Date of approval by the Department's council	30/5/2016
(6) Date of last approval of program specification by faculty council	9/8/2016
(7) Course title	Clinical pathology
(8) Course code	FAM 530
(9) Credit hours	1
(10) Total teaching hours.	15

(B) Professional information

(1) Course Aims.

The broad aims of the course are:-

The overall aim of the course is to :

Provide the students with the essential knowledge of clinical pathology related to the practice of family Medicine

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

A- Knowledge and understanding

- A1- recognize principles of carbohydrate, lipid and mineral metabolism and acid – base balance
- A2- List renal and liver function tests and tumor and cardiac markers
- A3- Classify red cell , white cell and bleeding disorders
- A4- Demonstrate sufficient knowledge to evaluate patients with hypersensitivity – allergy, immunodeficiency and autoimmune disorders

(2) Intellectual activities

The postgraduate Degree provides opportunities for candidates to achieve and demonstrate the following intellectual qualities

B- Intellectual skills

- B1- Distinguish different complications of blood transfusion
- B2- Differentiate between different immunodeficiency and autoimmune disorders
- B3- Apply a laboratory strategy to diagnose patients with bleeding disorders.
- B4- Analyze the cardiac markers laboratory data in light of onset and duration of cardiac disease.
- B5- Interpret liver, renal Function Tests and tumor markers according to recent guidelines

(3) **Course content.**

subjects	Lectures	Clinical	Laboratory	field	Total teaching Hours
Carbohydrate metabolism	1				1
Lipid disorders	1				1
Calcium and phosphorous metabolism	1				1
Liver function tests	1				1
Acid – base balance	1				1
Renal function tests	1				1
Cardiac markers	1				1
Tumor markers	1				1
Blood banking and complications of blood transfusion	1				1
Coagulopathy and bleeding disorders	1				1
Red and white blood cell disorders and ESR	1				1
Samples and methodology in clinical microbiology	1				1
Laboratory diagnosis of infectious diseases	1				1
Hypersensitivity and allergy	1				1
Immunodeficiency and autoimmunity	1				1

(4) Teaching methods.

4.1- Lectures

4.2- Self learning

4.3- Student teaching

(5) Assessment methods,

5.1- Written exam for assessment of knowledge & intellectual skills.

5.2- Oral exam for assessment of knowledge and Intellectual skills.

5.3- MCQ continuous assessment at the end of each semester.

Percentage of each assessment to the total mark:-

Written exam (40 marks)

Oral exam (50 marks)

MCQ exam (10 marks)

(6) References of the course

6.1- Guide to Clinical Pathology

6.2- Essential Hematology

Course coordinator, Dr. Reham M. El- Farahaty

Head of the Department prof. Osama Elbaz

Date: