



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate MSc program of internal medicine
(2) Department offering the programme:	Internal medicine department
(3) Department responsible for teaching the course:	Clinical Pathology department in collaboration with Internal medicine department
(4) Part of the programme:	First part
(5) Date of approval by the Department`s council	5/11/2014
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Clinical and chemical pathology
(8) Course code:	MED530
(9) Total teaching hours:	15 hours
(10) Credit hours	1 (one) hour

(B) Professional information

(1) **Course Aims:**

The broad aims of the course are as follows:

***Application and integration of the basics of clinical pathology with the knowledge related to the practice of internal medicine and health care.**

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

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

A- Knowledge and Understanding

A1. Recognize the clinical pathological basics of Glucose metabolism, Stomach and pancreas, Acid- base balance, laboratory aspects of pregnancy, Tumour markers, Cerebrospinal fluid, Hematology, Haemopoiesis, Leukemias, Anaemia, Hemolytic anemias, Blood transfusion, Haemostasis, clinical microbiology & clinical immunology, Sampling, Procedures in microbiological laboratory, Clinical bacteriology, Clinical virology, Clinical mycology, Antigen recognition

B- Intellectual skills:

B1 identify strengths, deficiencies, and limits in one's knowledge and expertise and be able to be updated and face challenges.

B 3 integrate knowledge and understanding of internal medicine and other medical specialties and interpret basic clinical tests and images as well as obscure findings to solve clinical problems .

B 8 use information technology to optimize learning and write an essay about a specific medical problem.

(3) Course content:

Subjects	Lectures 1/week (15 weeks)	Total Teaching Hours (15 hours)
Clinical chemistry Glucose metabolism Stomach and pancreas Acid- base balance Some laboratory aspects of pregnancy Tumour markers Cerebrospinal fluid	5hs	5 hours (5 weeks)
Hematology Haemopoiesis Leukemias Anaemia Hemolytic anemias Blood transfusion Haemostasis	5hs	5 hours (5 weeks)
Clinical microbiology & clinical immunology Sampling Procedures in microbiological laboratory Clinical bacteriology Clinical virology Clinical mycology Antigen recognition	5hs	5 hours (5 weeks)

(4) Teaching methods:

- 4.1: Lectures with power point presentation.
- 4.2: Seminars and group discussions.
- 4.3: Self learning.

(5) Assessment methods:

- 5.1: written exam (short essay) for assessment of ILOs (a3,4 ; b1,3,8)

Assessment schedule

Assessment 1: written exam for 1.5 hours (short essay) : 72 marks.

Assessment 2: oral exam : 60 marks.

Assessment 3: MCQ: 18 marks

Other assessment without marks: presentations during seminars, log book.

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

6.1: Hand books: of the clinical pathology department.

6.2: Text books:

6.1: websites .

(7) **Facilities and resources mandatory for course completion:**

Lecture rooms with data show availability

Log book

Course coordinators:

Prof Salah Agha

Prof Salah Elgamal

Head of the department: Prof Salah Elgamal