



## COURSE SPECIFICATION

### Faculty of Medicine– Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate MD program of general (internal) medicine
(2) Department offering the programme.	General (Internal) medicine department
(3) Department responsible for teaching the course.	Pathology department in collaboration with Internal medicine department
(4) Part of the programme.	First part
(5) Date of approval by the Department's council	26/7/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Applied pathology
(8) Course code.	MED605
(9) Credit hours	2 hours
(10) Total teaching hours.	30 hours

## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of the course are as follows:

**Teach the candidate how to integrate and link their Internal medicine information with other related specialties such as basic histopathological knowledge.**

**Provide the candidate with the basis of medical problems and their related pathological theories.**

**Teach the candidate efficient use of recent technology in learning and updating their pathological information.**

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

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

**A- Knowledge and Understanding**

**A 15 recognize the basic pathological information of the cardiovascular diseases (Atherosclerosis, thrombosis, aneurysms, Ischemic heart disease, Rheumatic and valvular heart diseases, Bacterial endocarditis, and Cardiomyopathy).**

**A 2 recall the pathological basis of the respiratory diseases (Suppurative lung disease, Pneumonias, pulmonary fibrosis, TB, Respiratory distress syndrome, chronic bronchitis, emphysema, Bronchial asthma, Pulmonary hypertension, pulmonary embolism & Bronchogenic carcinoma).**

**A 3 demonstrate sufficient knowledge of the pathological theories of the gastrointestinal and hepatic diseases (Oesophagitis, Carcinoma of the oesophagus, Gastritis, peptic ulcer, Gastric tumours, Inflammatory bowel disease, Diverticular disease, Carcinoma of the colon, Liver cirrhosis and Portal hypertension, Viral hepatitis, The liver in systemic disease, NAFLD, Hepatocellular carcinoma, Chronic pancreatitis and pancreatic cancer).**

**A 4 recognize the pathological basis of endocrinal diseases (Suprarenal disorders, Pathogenesis of goiter, Thyroid nodules, Thyroiditis, Autoimmune endocrine disorders, & Diabetic complications : microvascular and macrovascular) and glomerular diseases.**

B- Intellectual skills.

**B 1 analyze efficiently case scenarios of different internal medicine problems with pathological basis.**

**(3) Course content.**

Subjects	Lectures & Seminars 2/week/15weeks	Total Teaching Hours 30 hours
<u>Cardiovascular pathology:</u> Atherosclerosis ,thrombosis, aneurysms Ischemic heart disease Rheumatic fever and valvular heart disease Bacterial endocarditis Cardiomyopathy	2/week	8 hours (4 weeks)
<u>Chest</u> Suppurative lung disease Pneumonias , pulmonary fibrosis TB Respiratory distress syndrome Chronic bronchitis, emphysema Bronchial asthma Pulmonary hypertension Pulmonary embolism Bronchogenic carcinoma	2/week	8 hours (4 weeks)
<u>Gastroenterology and liver</u> Oesophagitis Carcinoma of the oesophagus Gastritis, peptic ulcer Gastric tumours Inflammatory bowel disease Diverticular disease Carcinoma of the colon Liver cirrhosis and Portal hypertension Viral hepatitis The liver in systemic disease	2/week	8 hours (4 weeks)

<b>NAFLD</b> <b>Hepatocellular carcinoma</b> <b>Chronic pancreatitis and pancreatic cancer</b>		
<u><b>Endocrinology:</b></u> <b>Suprarenal disorders</b> <b>Pathogenesis of goiter, Thyroid nodules</b> <b>Thyroiditis</b> <b>Autoimmune endocrine disorders</b> <b>Diabetic complications : microvascular and macrovascular.</b>	<b>2/week</b>	<b>4 hours</b> <b>(2/week)</b>
<u><b>Kidney:</b></u> <b>Glomeular disease</b>	<b>1/week</b>	<b>1 hours (1 week)</b>

**(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 for assessment of knowledge and intellectual ILOs

5.2 MCQ for assessment of knowledge and intellectual ILOs

Assessment schedule.

Assessment 1: written exam for 1.5 hours (short essay): 80 marks. At the end of the first semester

Assessment 2: MCQ continuous assessment: 20 Marks at the end of the semester

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

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

- 6.1: Hand books: of the pathology department.
- 6.2: Text books: Robbins Basic Pathology
- 6.3: websites.

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

Lecture rooms with data show availability

Log book

Course coordinators.

Prof.

Head of the department. Prof. Salah Elgamal.

Date.