



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:	Anatomy 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:	Applied anatomy
(8) Course code:	MED501
(9) Total teaching hours:	7hs
(10) Credit hours	0.5 hour

(B) Professional information

(1) **Course Aims:**

The broad aims of the course are as follows.

***application and integration of the basics of anatomy 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 of:

A1. Recall the basics of the following Embryology including, Development of GIT, Development of liver and pancreas, Development of rectum and anal canal, Development of and anomalies of cardiac Septa, Development of pituitary, thyroid, thymus, and suprarenal glands.

A2. Recognize the basics of Gross anatomy including, abdomen and pelvis, Anatomy of GIT, Anatomy of liver, pancreas, rectum, and anal canal, Blood supply of GIT and portosystemic anastomosis, Anatomy of kidney, ureter, urinary Bladder, prostate and urethra, Anatomy of suprarenal gland, Thorax: Blood supply, conductive system and Surface marking of the heart, Cardiac septa, Pleura, pleural recesses, and surface Marking of the pleura, Lung, bronchopulmonary segments and surface markings, Thymus glands, Head and neck: Pituitary gland, Thyroid gland, D- Neuroanatomy: Cerebral cortex, Vertebrobasilar and carotid system, Ventricular system and circulation of CSF, in the brain, Types of nerve fibres and fiber contents of internal capsule, Mixed cranial nerves.

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
1- <u>Embryology:</u> Development of GIT. Development of liver and pancreas. Development of rectum and anal canal. Development of and anomalies of cardiac Septa. Development of pituitary, thyroid , thymus, and suprarenal glands.	2hs	2hours / 5 weeks
2- <u>Gross anatomy:</u> A- abdomen and pelvis: Anatomy of GIT. Anatomy of liver , pancreas, rectum and anal canal. Blood supply of GIT and portosystemic anastomosis. Anatomy of kidney, ureter, urinary Bladder, prostate and urethra. Anatomy of suprarenal gland.	2hs	2 hours / 5 weeks
B- Thorax: Blood supply, conductive system and	2hours	2 hours /2 week

Surface marking of the heart. Cardiac septa. Pleura, pleural recesses, and surface Marking of the pleura. Lung, bronchopulmonary segments and surface markings. Thymus glands.		
C- Head and neck: Pituitary gland Thyroid gland		2 hours/1week
D- Neuroanatomy: Cerebral cortex Vertebrobasilar and carotid system Ventricular system and circulation of CSF in the brain. Types of nerve fibres and fiber contents of internal capsule. Mixed cranial nerves .		2 hours/2weeks

(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 (a1,4 ; b1,3,8)

Assessment schedule:

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

Assessment2: oral exam : 60 marks.

Assessment3: MCQ: 18 marks

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

(6) References of the course:

- 6.1: Hand books: of the anatomy department.
- 6.2: Text books: Grey anatomy.
- 6.1: websites .

(7) Facilities and resources mandatory for course completion:

Lecture rooms with data show availability

Log book

Course coordinators:

Prof Adel Elhawary

Head of the department: Prof Salah Elgamal