



COURSE SPECIFICATION

Applied Anatomy related to Cardiology

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	MD degree of cardiovascular medicine
(2) Department offering the programme.	Cardiology Department
(3) Department responsible for teaching the course.	Anatomy Department
(4) Part of the programme.	1st Part
(5) Date of approval by the Department's council	24-5-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Applied Anatomy related to Cardiology
(8) Course code.	CARD 614 AA
(9) Total teaching hours.	37.5 hours (Lectures & Seminars)
(10) Credit hours	2.5 Credit Hours

Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

To provide the student with Basic and Updated Knowledge of Cardiovascular Embryology and anatomy

(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- Illustrate and explain the applied embryology and anatomy of the cardiovascular system including the heart, great vessels and peripheral vessels

B- Intellectual skills

B1- Integrate the cardiovascular embryology and anatomy facts during clinical diagnosis and management of cardiovascular diagnosis.

(3) Course content:

Subjects	Lectures	Seminars	Total Teaching Hours
Embryology and congenital anomalies of heart and great vessels	3	1.5	4.5
Anatomy of Mediastinum	2	1	3
Anatomy of the Pericardium .	2		2
Anatomy of the cardiac chambers and valves.	3	2	5
Anatomy of coronary circulation (Arterial, venous, lymphatic drainage).	2		2

Anatomy of Pulmonary circulation (Arterial, venous, lymphatic drainage).	2		2
Anatomy of the great Arteries. (Ascending & Descending Aorta, Aortic Arch, Pulmonary arteries	3		3
Arterial Anatomy: (Carotid , Radial , ulnar, Femoral and Renal.	3		3
Anatomy of the great Veins (Superior and inferior vena cava)	2		2
Anatomy of large veins (Femoral vein, Jugular , selective venous system and Azygus vein.	2		2
Nerve supply of the heart.	2		2
Anatomic Neck Regions	2	1	3
Femoral Triangle	2	2	4
Total Hours	30	7.5	37.5

(4) Teaching methods:

4.1 : Lectures 4.2 : Seminars

(5) Assessment methods:

5.1:Written. (for assessment of knowledge skills)

5.2: MCQ. (for assessment of knowledge and intellectual skills)

Assessment schedule:

1-First Exam : MCQ at end of semester

2-Final Exam at end of course:

Written exam

Percentage of each Assessment to the total mark:

1- MCQ Exam 20 of total mark
2- Written exam marks 80 of total mark
Total Marks 100

(6) References of the course:

6.1: Hand books: Member-Ship of Anatomy Department Student Book

6.2: Text books: Grays Textbook of Anatomy

6.3: Journals:

- New England journal of medicine

- Journal of the American Collage of Anatomy

6.4: Websites:

- Cardiosource - Medscape cardiology

- Escardio.org European society of Cardiology - Tctmed.com

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

Course coordinator: Prof Dr Hesham Waly

Prof. Dr Ahmed Wafa

Head of the department: Prof Dr AbdelRazek Maaty

Date: 8/6/2016