



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Program offering the course.	PhD
(2) Department offering the program.	Anatomy and Embryology
(3) Department responsible for teaching the course.	Anatomy and Embryology
(4) Part of the program.	Second part
(5) Date of approval by the Department`s council	18/5/2016
(6) Date of last approval of program specification by Faculty council	9-8-2016
(7) Course title.	Cardio-Vascular Applied Anatomy
(8) Course code.	ANA 601 AACA
(9) Credit hours:	10 (Theoretical) 5 (practical)

(B) Professional information

(1) Course Aims:

The main aims of this course are that the candidate develops him/herself academically and professionally by **acquiring** detailed knowledge and required skills to be capable of teaching anatomy to postgraduate students in the field of cardiovascular.

(2) Intended Learning Outcomes (ILOs):

A- Knowledge and Understanding:

On successful completion of the course, the candidate should:

K 1 Discuss the development of the heart and great vessels.

K 2 Describe the anatomy of cardiac chambers and valves.

K 3 Define in depth the anatomy of great vessels, peripheral vessels.

K 4 Recognize the detailed anatomy of coronary circulation.

K 5 Discuss the clinical aspects based on anatomical and embryological knowledge related to these specific parts of the body.

B- Intellectual skills:

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

I 1 Integrate the anatomical facts and embryological basis with cardiovascular clinical problems.

C- Practical skills:

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

P 1 Assemble the different internal structures in cadavers during teaching.

P 2 Dissect professionally selected regions of the human body.

P 3 Plan for developing his/her performance in anatomical teaching.

D- Communication & Transferable skills.

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

T 1 Communicate efficiently to improve teaching and research skills.

T 2 Be prepared for lifelong learning through self and continuous learning and setup self needs for learning.

T 3 Manage the time efficiently and process information by all means.

T 4 Work efficiently within a team and be prepared to be a team leader.

T 5 Setup rules and parameters for self evaluation and evaluating others performance

(3) Course content.

Subjects	Lectures	Laboratory
1. Embryology of the heart and vessels	10	-
2. Cardiac chambers	14	20
3. Cardiac valves	16	20
4. Great and peripheral vessels	20	30
5. Coronary circulation	10	20
6. Nerve supply of the heart	10	20
7. Arterial anatomy	20	20
8. Anatomy of large veins	20	20
9. Applied anatomy	25	-
Total	150	150

(4) Teaching methods.

- 4.1. Lectures
- 4.2. Practical sessions
- 4.3. Group discussion
- 4.4. Presentation by students

(5) Assessment methods. Final exam

- 5.1. **Written exam. 100 marks** for assessment of K1-5; I1
- 5.2. **Practical exam. 50 marks** for assessment of P1,3
- 5.2. **Oral Exam. 50 marks** for assessment of all K1-5; I1, T1-5

Assessment schedule.

Final Exam (200 marks): at the end of the course

Percentage of each assessment to the total mark.

- Written exam. 100 marks (50%):** essay 80 marks (80%), MCQ 20marks (20%)
- Practical exam. 50 marks (25%)**
- Oral exam. 50 marks (25%)**

(6) References of the course.

- 6.1. **Hand books:** Department Book
- 6.2. **Text books:**
 - Grey's Anatomy.
 - Last's Anatomy.
 - Cunningham Practical of Anatomy
 - Langman's Medical Embryology.
 - Keith L. Moore Embryology.
 - Student's Grants Atlas.

Netter's Atlas.

Snell's Atlas.

6.1. Websites.

http://anatomy.med.umich.edu/courseinfo/mich_quiz_index.html

<http://freevidelectures.com/>

<http://www.med.umich.edu/lrc/coursepages/M1/anatomy/html/>

(7) Facilities and resources mandatory for course completion.

- Lecture room
- Anatomy dissection lab, cadavers, plastinated specimens and models
- Computers, data show projector and internet connection

Course coordinator: Prof. Samira Lotfy

Head of the department: Prof. Adel El Hawary

Date: 18/5/2016