



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Program offering the course.	M.Sc.
(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 programme specification by Faculty council	9-8-2016
(7) Course title.	Cardio-vascular Applied Anatomy
(8) Course code.	ANA 501 AACA
(9) Credit hours.	5 (theoretical) 2 (practical)

(B) Professional information

(1) Course Aim:

The main aims of this course are to allow the candidate to develop him/her self academically and professionally by **acquiring** detailed knowledge and required skills to be capable of anatomical teaching 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 heart and great vessels.

K 2 Describe the anatomy of cardiac chambers and valves.

K 3 Define 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 will be able to:

I 1 Integrate the anatomical facts of these regions with cardiovascular clinical problems.

C- Practical skills:

P 1 Apply the anatomy and embryology in solving and explaining different clinical problems of a particular region of the body.

P 2 Plan for developing his/her performance in anatomical teaching.

D- Communication & Transferable skills.

- T 1** communicate efficiently to develop teaching and research skills.
- T 2** **Be prepared** for lifelong learning through self and continuous learning and setup self needs for learning.
- T 3** Efficiently **manage time** and process information and by various 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	7	-
2. Cardiac chambers	8	10
3. Cardiac valves	10	6
4. Great vessels	10	6
5. Coronary circulation	5	8
6. Nerve supply of the heart	5	10
7. Arterial anatomy	10	10
8. Anatomy of large veins	10	10
9. Applied anatomy	10	-
Total	75	60

(4) Teaching methods.

- 4.1. Lectures
- 4.2. **practical sessions**
- 4.2. Group discussion
- 4.3. Presentation by students

(5) Assessment methods: Final exam

5.1. **Written exam for assessment of K1-5, I1.**

5.2. **Oral Exam for assessment of K1-5, I1, T1-5.**

5.3. **Practical Exam for assessment of P1, 2**

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, **MCQ:** 20 marks

Oral exam: 50 marks (25%)

Practical 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.

6.3. **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