



Anatomy 1st part SPECIFICATION
Faculty of Medicine- Mansoura University
Vascular surgery MD

(A) Administrative information

(1) Program. offering the course.	Vascular surgery
(2) Department offering the program.	Vascular surgery Department
(3) Head of the program.	Prof. Hesham Ali Sharaf El-Din
(4) Coordinator	Dr. Ahmed Magdy Hamouda
(5) External Supervisor	Prof. Mostafa Soliman Abd Albary
(6) Date of last approval of program specification by Faculty council	July, 2016
(7) Course code.	Anatomy VSUR 601 , VSUR 620A
(8) Credit hours	3 hours
(9) Total teaching hours.	45 theoretical hours

(B) Professional information

(1) Course Aim:

The course aim is to provide the sufficient basic knowledge to the candidate about the anatomy of the arterial, venous and lymphatic system of the body and the ability to expose these vessels in different parts of the body. This knowledge will help them to be a capable vascular surgeon and to provide the attitude of a qualified academic vascular surgeons.

(2) Intended Learning Outcomes (ILOs):

a. Knowledge and understanding:

By the end of the program the candidate will be able to:

a1-Explain the anatomical variation and route of exposure of the vascular conduit affected in different vascular diseases and conditions.

a2-Explain the anatomical basis of vascular conditions, diseases and interventions

a3-Describe the embryological basis of common congenital vascular diseases and conditions

a4-Describe the presentations of common vascular disease related to the different anatomical variation.

a5-Define the relevant investigations required to reach an accurate diagnosis

b. Intellectual capabilities:

By the end of the program the candidate will be able to:

B1 – Differentiate vascular diseases affecting different vascular conduit within the same part of the body.

B2- Select appropriate radiological investigations for each vascular condition

B3- Interpret the results of radiological investigations

2) Course content.

Topics	L
1. Anatomy and embryology of the vascular system of the upper limb	
a. Anatomy of the arterial system of the upper limb.	3
b. Anatomy of the venous system of the upper limb.	3
c. Anastomosis around joints.	2
d. Anatomy of the lymphatic drainage and nerve supply of upper limb.	1
e. Applied Anatomy	1
2. Anatomy and embryology of the vascular system of the lower limb	
a. Anatomy of the arterial system of the lower limb.	3
b. Anatomy of the venous system of the lower limb.	3
c. Anastomosis around joints.	2
d. Anatomy of the lymphatic drainage and nerve supply of lower limb.	1
e. Applied Anatomy	1
3. Anatomy and embryology of the vascular system of the abdomen and pelvis and retroperitoneal spaces.	
a. Anatomy of the aorta.	3
b. Anatomy of the IVC	2
c. Anatomy of the sympathetic chain	1
d. Anatomy of pelvic arterial system	2
e. Anatomy of pelvic venous system	1
f. Retroperitoneal spaces	1
g. Anterior abdominal wall	2
h. Anatomy of the diaphragm	1
i. Applied anatomy	1
4. Anatomy and embryology of the vascular system of the thorax and thoracic duct and diaphragm	
a. Anatomy of the arterial system.	1
b. Anatomy of the venous system.	1
c. Anatomy of the thoracic duct and lymphatic system.	1
d. Anatomy of the phrenic nerve .	1
e. Applied Anatomy	1
5. Anatomy and embryology of the vascular system of the neck and neck triangles	
a. Anatomy of neck triangle.	1
b. Anatomy of arteries of the neck.	1
c. Anatomy of veins of the neck.	1
d. Anatomy of the nerves and lymphatic	1
e. Applied Anatomy	1
Total	45

2.b- References.

3.b.1. Text books.

- Rutherford *Vascular Surgery*.
- Wesley Moore's textbook on vascular surgery.

- *Jamieson and Ruckley*, Surgical management of vascular disease.

2.b.2: Websites:

- Journal of vascular surgery.
- European journal of vascular surgery
- International angiology
- Annals of Vascular surgery

2.b.3: Recommended books

- Vascular and Endovascular Surgery: A Comprehensive Review by Wesley Moore
- Comprehensive Vascular and Endovascular Surgery: by John W. Hallett Jr.

Teaching methods:

3.1: Lecture

3.2: Small group discussion

Assessment methods:

4.1: Written Examination for assessment of knowledge ILOs and intellectual

4.2: MCQ exam for assessment on knowledge and intellectual skills

Assessment schedule:

Assessment 1: written exam After 6 months from the start of the job.

Assessment 2 : MCQ at the end of the semester (15th week)

Percentage of each Assessment to the total mark:

Anatomy 1st Part MD assessment:

Written exam: **80 Marks + 20 MCQ**

Facilities and resources mandatory for course completion.

A. Lecture hall: In the Auditorium of Surgery department and lecture hall of the outpatient clinic (Jehan Street). Each hall is equipped with white board, overhead projector, computer, LCD projector, laser pointers, remote slide advancer, DVD player and

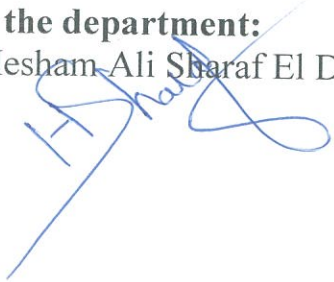
wireless phones. It is air conditioned.

B. Library:

The library is located on the 4th floor of Faculty of medicine, Mansoura University

Head of the department:

Name: Hesham Ali Sharaf El Din

A handwritten signature in blue ink, appearing to read 'H. Sharaf El Din', is written over the printed name. The signature is stylized and includes a large loop at the end.