



COURSE SPECIFICATION

Applied Anatomy

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Program offering the course:	Postgraduate master degree of Anesthesia and Surgical Intensive Care
(2) Final award / degree	MSc
(3) Department offering the program.	Anesthesia and Surgical Intensive Care department
(4) Department responsible for teaching the course.	Anatomy Department.
(5) Part of the program.	First part
(6) Date of approval by the Department's council	20-4-2016
(7) Date of last approval of program specification by Faculty council	9-8-2016
(8) Course title.	Applied Anatomy
(9) Course code.	ANET 501
(10) Credit hours	one hour
(11) Total teaching hours.	15 lecture

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows.

- To provide candidates with important anatomical landmarks of different body regions which help to improve different anesthetic techniques.
- The possible application during practice in Intensive Care
- The possible application during practice in injection during pain management

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

A1	Recognizes boundaries, parts, contents of mouth cavity
A2	Describe muscles, blood supply & nerve supply of (palate& tongue)
A3	Explain opening, parts, walls, anatomical features, of nasal cavity
A4	Describe parts, muscles, arterial supply of pharynx
A5	Explain laryngeal cartilages, membranes, muscles,nerve supply & blood supply
A6	Review anatomy of trachea
A7	Explain origin, nerve supply & action of muscles of mastication
A8	Describe tempromandibular joint

A9	Describe beginning, course, termination & tributaries of (external jugular vein, internal jugular vein, subclavian vein, superficial veins of upper limb, short saphenous vein & long saphenous vein)
A10	Explain origin, course, termination, branches of (radial nerve, ulnar nerve & median nerve facial nerve, trigeminal nerve, glossopharyngeal nerve, vagus nerve, accessory & hypoglossal nerve) & nerve injury of (radial nerve, ulnar nerve & median nerve
A11	Explain contents of femoral sheath
A12	Recognize site, formation & branches of (cervical plexus, brachial plexus, lumbar plexus & sacral plexus)
A13	Describe feature, beginning, termination & blood supply of spinal cord & meninges
A14	List segmental innervation (dermatomes)
A15	List congenital anomalies of (face, tongue, lip, palate & heart)

B- Intellectual skills

B1	Define Origin, course, relations & distribution of all body vessels & nerves
B2	Design an initial course of airway management.

(3) Course content.

Subjects	Lectures
<u>1- Embryology :</u> <ul style="list-style-type: none">• Anomalies of face , palate, lip, tongue• heart	1 1
<u>2- Gross – Anatomy :</u> <u>A-Head & Neck :</u> <ul style="list-style-type: none">• Mouth , Palate , tongue and pharynx• Nose , nasal cavity.• Larynx, trachea , bronchi• lung• Tempromandibular joint <u>B- chest:</u> <ul style="list-style-type: none">• Trachea , and bronchi• bronchi-pulmonary segments. <u>C- Limbs:</u> <ul style="list-style-type: none">• superficial veins	2 1 2 1 1 1 1 1
<u>3- Neuron-anatomy:</u> <ul style="list-style-type: none">• Cranial nerves• spinal cord• meninges	1 1 1
Total Teaching Hours	15

(4) Teaching methods.

4.1: Lectures

4.2: Power point presentation

(5) Assessment methods:

5.1: Written exam for one hour in anatomy after 6 months of date of registration for graduate studies for MSc.

5.2: MCQ exam

5.3: Structured oral exam

Assessment to the total mark:

Written exam: 48

MCQ exam: 12

Structured oral exam: 40

(6) References of the course:

6.1: Anatomy for anaesthetists 8th ed., H.Ellis, S. Feldman, H Harrop-Girffiths

(7) Facilities and resources mandatory for course completion.

Lecture halls and data show.

Course coordinator: Dr. Maged Talaat Salama

Head of the department: Prof.Dr. Mona Abdelglil Hashish

Date: 04/04/2016

