



## COURSE SPECIFICATION

### Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Programme offered course	<b>Surgical Anatomy</b>
(2) Department offering the programme	<b>General surgery Anatomy</b>
(3) Department responsible for teaching the course	<b>General surgery Anatomy</b>
(4) Part of the programme	<b>Second part MD Surgical Oncology</b>
(5) External evaluator(s)	<b>Prof. Dr. Gamal Emiera, National cancer institute, Cairo university</b>
(6) Date of approval by the Department's council	<b>8 / 8 / 2016</b>
(7) Date of last approval of programme specification by Faculty council	<b>9/8/2016</b>
(8) Course title	<b>Surgical Anatomy</b>
(9) Course code	<b>SONC 620 ANA SONC 601</b>
(10) Credit hours.	<b>1.5 hour theoretical 0.5 hour practical</b>
(11) Total teaching hours.	<b>22.5 hour theoretical 15 hour practical</b>

## **(B) Professional information**

### **(1) Course Aims.**

The broad aims of the course are as follows.

- 1- To prepare our candidates to acquire knowledge, competencies, skills and applications in different branches of Surgical Anatomy.
- 2- To give our candidate the ability to integrate the Surgical Anatomy data properly in service of Surgery and the ability to integrate data obtained from clinical examination and investigations properly for ideal management for the surgical patient.
- 3- The purpose of the training program of the Master degree is to prepare the physician for the independent practice of clinical Surgery. This training must be based on supervised clinical work with increasing responsibility for outpatients and inpatients. It must have a foundation of organized instruction in the basic Surgery science.

**Within the overall aim, the objectives of the Programme are as follows.**

1. Teaching the basic medical science related to surgical practice as anatomy.
2. Teaching the basic medical science related to Clinical surgical practice as anatomy with concern to different variants of anatomical background and how to avoid complications.
3. Teaching the main topics of anatomical disorders with different environmental factors that play a role in many related diseases.
4. Training the candidate how to search for the recent knowledge and how to apply this in his field.

### **(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

A44-Discuss anatomy of different parts of the head and neck.

A45-Recognize anatomy of the breast and the axilla.

A46-Identify anatomy of major vascular, nervous and lymphatic structures in thorax and upper limb.

A47-Discuss anatomy of different parts and viscera in abdomen and pelvis and recognize their surgical implications.

A48-Identify major nerves and vessels of lower limb.

A49-Recognize surgical anatomy of inguinal canal, popliteal fossa and hand spaces.

## B- Intellectual skills

B10.Illustrate anatomy of different parts of the body.

B11-Demonstrate understanding of surgical applications of surgical anatomy.

B12-Correlate knowledge of anatomy with surgical practice point of view.

## C- Professional/practical skills

C1-Examine anatomy of different parts of the body on postmortem specimens.

C2-Be able to recognize different structures on museum specimens.

### (2)Course content.

Title	Lectures	Practical
<b>Salivary glands</b> <b>Cervical fascia</b>	<b>1 hour</b>	
<b>Larynx</b> <b>Pharynx</b>	<b>1 hour</b>	
<b>Triangles of the neck</b> <b>Palate</b>	<b>1 hour</b>	

<b>Thyroid and parathyroid glands</b> <b>Cranial nerves</b>	<b>1 hour</b>	
<b>Cervical lymph nodes</b> <b>Carotid artery and its branches</b>	<b>1 hour</b>	<b>2 hours</b>
<b>Internal jugular vein</b> <b>Tongue</b>	<b>1 hour</b>	
<b>Maxillary sinus</b> <b>Face</b>	<b>1 hour</b>	
<b>Breast</b> <b>Axilla</b>	<b>1 hour</b>	<b>2 hours</b>
<b>Brachial plexus &amp; its branches</b> <b>Cubital fossa</b> <b>Hand spaces</b>	<b>1 hour</b>	
<b>Thoracic wall and pleura</b> <b>Thoracic duct</b>	<b>1 hour</b>	
<b>Aorta</b> <b>Inferior vena cava</b>	<b>1 hour</b>	<b>2 hours</b>
<b>Diaphragm</b> <b>Abdominal wall</b> <b>Peritoneum</b> <b>Subphrenic spaces</b>	<b>1 hour</b>	

<b>Esophagus</b> <b>Stomach and duodenum</b>	<b>1 hour</b>	<b>2 hours</b>
<b>Small intestine</b> <b>Appendix</b> <b>Large intestine and anorectum</b>	<b>1 hour</b>	
<b>Liver</b> <b>Billiary system</b>	<b>1 hour</b>	
<b>Pancreas</b> <b>Spleen</b>	<b>1 hour</b>	
<b>Kidneys and ureters</b> <b>Urinary bladder</b>	<b>1 hour</b>	<b>2 hours</b>
<b>Prostate</b> <b>Testicle and scrotum</b>	<b>1 hour</b>	
<b>Female genital system</b>	<b>1 hour</b>	<b>2 hours</b>
<b>Iliac vessels</b> <b>Adrenal glands</b>	<b>1 hour</b>	
<b>Pelvis and perineum</b>	<b>1 hour</b>	
<b>Inguinal canal</b> <b>Femoral sheath</b> <b>Femoral vessels</b> <b>Sciatic nerve</b>	<b>1 hour</b>	<b>1 hour</b>
<b>Popliteal fossa</b> <b>Tibial nerves and vessels</b>	<b>½ hour</b>	

(3) Teaching methods:

4.1: lectures

4.2. specimen demonstration

**(4) Assessment methods:**

5.1. Written exam for assessment of knowledge.

5.2. MCQ exam for assessment of knowledge.

5.3. Objective structured clinical examination for assessment of knowledge.

5.4. Practical exam for assessment of ability to identify different anatomical structures on specimens.

Percentage of each assessment to the total mark.

Written exam: 60 marks

MCQ exam: 15 marks

Oral exam: 50 marks

Practical exam: 50 marks

Other assessment without marks: logbook

**(5) References of the course:**

6.1. Hand books: Department Anatomy Book.

6.2. Text books: Skandalakis Surgical Anatomy.

6.3. Journals: Journal of Anatomy.

6.4. Websites: [www.instantanatomy.net](http://www.instantanatomy.net)

**(6) Facilities and resources mandatory for course completion.**

Lecture halls

**(7) Evaluation of Programme's intended learning outcomes (ILOs):**

Evaluator	Tools*	Signature
Internal evaluator (s) Prof.Dr. Nazem Shams Prof.Dr. Adel Denewer Prof.Dr. Sherif Zaki Kotb Prof.Dr. Ahmed Seteet Prof.Dr. Mohamed Hegazy	Focus group discussion Meetings	

External Evaluator (s) <b>Prof. Dr. Gamal Emera,</b> National cancer institute, Cairo university	Reviewing according to external evaluator checklist report.	
Senior student (s)	None	
Alumni	None	
Stakeholder (s)	None	
Others	None	

\* TOOLS= QUESTIONNAIRE, INTERVIEW, WORKSHOP, COMMUNICATION, E\_MAIL

We certify that all information required to deliver this programme is contained in the above specification and will be implemented. All course specification for this programme is in place.	
<b>Head of the department:</b> <b>Prof. Dr. Nazem Shams</b> Professor of Surgical Oncology, Mansoura University	Signature & date:
<b>Dean:</b> <b>Prof. Dr. Elsaid Mohamed Abdelhady</b>	Signature & date:
<b>Executive director of the quality assurance unit:</b> <b>Prof. Dr. Seham Gad El-Hak</b>	Signature & date: