



## PROGRAMME SPECIFICATION

### Postgraduate MD Degree of General Surgery

Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Programme Title & Code	Postgraduate MD Degree of General Surgery SUR 600
(2) Final award/degree	MD degree
(3) Department (s)	General Surgery Department
(4) Coordinator	Prof. Dr. Mosaad Morshed
(5) External evaluator (s)	Prof. Dr. Mahmoud Elkheshin Alexandria Faculty of Medicine
(6) Date of approval by the Department's council	27/5/2013
(7) Date of last approval of programme specification by Faculty council	9/8/2016

## **(B) Professional information**

### **(1) Programme Aims:**

The broad aims of the Programme are as follows: (either to be written in items or as a paragraph)

1. To provide our candidates with the required knowledge about basic medical subjects as anatomy and pathology and their clinical applications in the field of general surgery.
2. To teach the candidate the epidemiology and pathophysiology of different surgical diseases.
3. To teach the candidates the essential and updated modalities in diagnosis and management of general surgical conditions,
4. To provide the candidates with updated information about fine surgical specialties as microvascular surgery bariatric surgery, trauma surgery, head and neck reconstruction and advanced laparoscopic surgery.
5. To make the candidate comprehend the basics of stem cell therapy and its surgical relevance.
6. To provide the candidate with the essentials about biostatistics and how to use them in research.

## (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 programme, the candidate will be able to:

### A- Knowledge and Understanding

A 1 To define the pathological features and recent trends in pathogenesis of different surgical conditions.

A 2 To specify the normal anatomical features of body organs and relate them with various surgical diseases.

A3. To define the basic epidemiologic, pathologic, and clinical features of common surgical conditions.

A4. To define the list of differential diagnoses and recent guidelines in the management of various surgical conditions.

A5. To define updates in the field of bariatric, microvascular, trauma, stem cell, head and neck, trauma surgery.

A6. To underline the principles of statistics used in medical practice and research and to understand the medicolegal aspects of medical practice and research.

A7. To define the recent updates in laparoscopic and minimally invasive surgery.

A8. To define safety of patients in the operating theater and in the surgical ward according to quality improvement programs and recent guidelines.

## B- Intellectual skills

B1 To integrate the basics of anatomy and pathology with clinical practice.

B2 To interpret clinical symptoms and signs of surgical diseases to reach proper diagnosis.

B3 To Interpret the various laboratory and radiologic findings to reach the proper diagnosis.

B4 To recognize the appropriate management strategies including choosing the proper medication, procedures or interventions for common surgical problems.

B5. To recognize predisposing factors for various surgical conditions and their possible complications.

B6 To follow guidelines and evidence based medicine in problem solving in various conditions.

B7 To perform medical research about specified surgical problems and understand how to read scientific articles by scanning and skimming methods.

B8 To design an initial course of management for stabilization of patients with critical conditions.

B9 To recognize the recent updates in bariatric, microvascular, trauma, stem cell therapy and minimally invasive surgery laparoscopic surgery and the various statistical methods used in surgical research.

B10.To identify strengths, deficiencies, and limits in one's knowledge and expertise and set learning and improvement goals with predetermined appropriate learning activities.

B11. Realize the Decision making strategy based on recent guidelines.

B12. Apply the principle of safe surgery while dealing with the patients and in OR.

## C- Professional/practical skills

C1 Take focused history according to the patients' complaint and perform proper general and local examination to reach a proper diagnosis.

C2 Explore the updates in the diagnostic tools for each disease and integrate data of history, examination and investigations to enlist the possible diagnoses for the patient.

C3. Patients education and the ability to use IT and electronic databases for data registration.

C4 Construct a management plan for common surgical problems and protocols for urgent cases.

C5. Express compassion, integrity, and respect for others and show responsiveness to patient needs that supersedes self-interest whilst keeping full respect for patient privacy and autonomy;

C6. Write accurate and complete medical reports about patients' conditions.

## D- Communication & Transferable skills

**D1** To Review the scientific literature on a research topic.

**D2** To Work in a multidisciplinary care team to solve community surgical problems.

**D3** To Able to react positively with the national campaigns which are conducted to manage difficult surgical diseases in our locality.

**D4** To communicate with health authorities through different meetings and conferences national and international.

**D5** Use evidence based medicine in the management decisions.

**D6** Solve problems related to patients and work management.

**D7** Evaluate their work and that of the others using feedback mechanism.

**D8** Time management and organizing morbidity and mortality meetings.

### (3) Academic standards.

Table of comparison between Academic standards for the programme , NARs and program ILOS are attached in [Appendix I](#).

### (4) Curriculum structure and contents.

#### 4.a- Duration of the programme 4 semesters

#### 4.b- programme structure.

Candidates should fulfill a total of 60 credit hours

##### ●4.b.1. Number of credit hours.

First part: 5 hours .Second part: 25 hours Thesis:15 hours

##### ●4.b.2: Teaching hours/week:

Lectures 75 hours. Clinical/lab: 375 hours

**(5) Programme courses:**

**First part**

**a- Compulsory courses:**

Course Title	Course Code	NO. of hours per week				Total teaching hours	Programme ILOs covered (REFERRING TO MATRIX)	
		Theoretical		Laboratory /practical	Field			Total
		Lectures	seminars					
Surgical Anatomy	SUR 620 SA SUR 601					30		
General Surgical Pathology	SUR 620 SSP SUR 605				5 hours	15		

**Second part**

**a- Compulsory courses :**

Course Title	Course Code	NO. of hours per week (credit hours)				Total teaching hours	Programme ILOs covered (REFERRING TO MATRIX)	
		Theoretical		Laboratory /practical	Field			Total
		Lectures	seminars					
General Surgery	SUR 620				23 hours	75 lectures 375 clinical		
Elective courses								
Micro-Vascular surgery	SUR 620 MVS				2 hours			
Advanced trauma management	SUR 620 ATM				2 hours			
Advanced laparoscopic surgery	SUR 620 ALS				2 hours			
Bariatric surgery	SUR 620 BS				2 hours			

<b>Head and neck</b>	<b>SUR 620 HNR</b>					<b>2 hours</b>		
<b>Stem cell therapy</b>	<b>SUR 620 SCT</b>					<b>2 hours</b>		
<b>Statistics research</b>	<b>SUR 620 SRM</b>					<b>2 hours</b>		
<b>Log book &amp; other activities</b>						<b>2 hours</b>		
<b>Thesis</b>						<b>10 hours</b>		

## Programme–Courses ILOs Matrix

Programme ILOs are enlisted in the first row of the table (by their code number: a1, a2.....etc), then the course titles or codes are enlisted in first column, and an "x" mark is inserted where the respective course contributes to the achievement of the programme ILOs in question.

P.S. All courses` specifications are attached in [Appendix III](#).

Course Title/Code	a1	a2	a3	a4	a5	a6	A7		b1	b2b	b3	b4	b5	b6	B7	B8	B9	B10	B11	B12
Surgical Anatomy Sur 601		√							√											
Surgical Pathology sur 605	√								√				√							
General surgery Sur 620			√	√			√			√	√	√	√	√	√	√		√	√	√
Micro-Vascular surgery Sur 620 MVS					√												√			
Advanced trauma management SURG 620 ATM					√												√			
Bariatric surgery sur 620 BS					√												√			
Head and neck sur 620 HNR					√												√			
Stem cell therapy sur 620 SCT					√												√			

<b>Statistics research sur 620 SRM</b>						√											√			
<b>Advanced laparoscopic surgery Sur 620 ALS</b>								√									√			

**(6) Programme admission requirements.**

● **General requirements.**

**POSTGRADUATE BY LAWS**

● **Specific requirements (if applicable).**

**(7) Regulations for progression and programme completion.**

First part

**Assessment Rules**

1- Attendance Criteria.

Minimum acceptance attendance in each course is 75%

2- Log book should be fulfilled and signed by Head of the department

3- Assessment tool

First Part

Course	Theoretical	MCQ	Total
Anatomy	80	20	100
Pathology	80	20	100
		200	

Second part

Course	Theoretical	MCQ	Oral	Clinical	Practical	Total
General Surgery	90+90+60	60	100	100	100	600
Elective course	40	10	---	----	----	50
Total						650

**Assessment Rules**

1- Attendance Criteria.

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3- Assessment tool

### Classification of Final Result for the MSc/MD

To qualify for the award of the MSc/MD with distinction, candidates must achieve an overall average mark of a 75% or more, with a mark of at least 75% being achieved in each course. To qualify for the award of the MSc/MD, candidates must pass at least 60% of the final exam.

### (8) Evaluation of Programme's intended learning outcomes (ILOs).

Evaluator	Tools*	Sample size
Internal evaluator (s)	1. Prof. Dr.: Adel Denewar 2. Prof. Dr. Nabil GadElhak 4. Prof.Dr. Mokhtar Farid	Mansoura Faculty of Medicine
External Evaluator (s)	Prof. Dr. Mahmoud Elkheshin	Alexandria Faculty of medicine

- 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 are in place.

<b>Programme coordinator:</b> Name: Prof. Dr. Mosaad Morshed Prof. of General Surgery, Mansoura Faculty of medicine. Mansoura	Signature & date:
Head of Department Prof. Dr. Nazem Shams Prof. & Head of general Surgery Department	
<b>Dean:</b> Name: Prof Dr. Elsaed Abdel-Hady	Signature & date:
<b>Executive director of the quality assurance unit.</b> Name: Prof Dr. Seham Gad El-Hak	Signature & date:

