



**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

**Department of General Surgery**

**Program Specifications**

# **General Surgery Master degree**

**2015-2016**

## *Program Specifications: General Surgery Master degree, 2015-2016*

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**General Surgery Master degree Program Specifications**  
**University: Tanta Faculty: Medicine Department: General Surgery**

### **A- Basic information**

**1-Program title: Master Degree in General Surgery (M.Ch or M.S)**

**2-Program Code: TMED.03- A015**

**3- Program coordinator: Prof. Dr. Amel hashish**

**4-Program internal evaluators: Prof. Dr Hamada Dawood, Prof Dr Nagy Eldesouky**

**5-program external evaluators: Prof. Dr Gamal Eltagy, Professor of ped Surgery, Cairo University.**

**6-Date of approval:**

**7-Departments offering the courses of the program:**

**First Part: of Total 30 %**

**Department of Anatomy, Faculty of Medicine**

**Department of Histology, Faculty of Medicine**

**Department of Physiology, Faculty of Medicine**

**Department of Biochemistry, Faculty of Medicine**

**Department of Pharmacology, Faculty of Medicine**

**Department of Pathology, Faculty of Medicine**

**Department of Microbiology, Faculty of Medicine**

**Department of English Language, Faculty of Education**

**Department of Computer, Faculty of Commerce**

**Second Part: of Total 70 %**

**Department of General Surgery, Faculty of Medicine**

### **B\_ professional information**

#### **1 – Overall program aims**

**Our program aims to:**

- To train and graduate competent, knowledgeable general surgeon capable of functioning independently.
- To provide an educational environment that promotes the standard delivery of health care.
- To prepare Residents to become Specialists of General Surgery of safe and efficient caliber by providing a rich educational experience in a variety of clinical settings.

#### **2 – Intended learning outcomes (ILOs):**

##### **a. Knowledge and understanding:**

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

a1 – Define the principles of surgery, surgical anatomy, and body physiology in normal and abnormal surgical conditions.

a2 – Recognize oriented history and physical clinical examination.

a3 – Recognize a reasonable and comprehensive differential diagnosis and recognized common disorders in general surgery as well as many of the rare ones especially those are amenable to treatment.

a4 – Describe basic knowledge about safe surgical environment.

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a5 – Review basic information about pathology of different surgical conditions and underlying normal and abnormal biochemical and microbiological reactions and the corresponding pharmacologic manipulations for surgical diseases.

### **b. Intellectual skills:**

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

- b1- Recognizes emergency situations and manage them effectively. Select relevant investigations logically and conservatively, and interpreting their results accurately.  
b2 - Manage common problems in general surgery and posses knowledge of management alternatives

### **c. Professional and practical skills:**

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

- c1-) Perform many surgical, diagnostic and therapeutic procedures and operations, especially those used in the management of emergencies and common surgical problems.  
c2- Implement the professional ethical attitude with patient and their relatives.  
c3- Keep orderly and informative medical records.

### **d. General and transferable skills:**

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

- d1- Advise colleagues from other specialties with regard to the problems related to surgery.  
d2 -Possess high ethical and moral standards.  
d3 - Perform continuous medical education  
d4 - Apply self education and specify his educational needs.

### **3- Academic standards adopted**

Academic standards for postgraduates offered for 2009 by the Egyptian Authority for Quality Assurance and Accreditation for Education (NAQAAE) and adopted by the faculty council for medical degree of master in 24/5/ 2010 was adopted as bench mark with the help of Egyptian Fellowship for General Surgery 2008 and Saudi Board of General Surgery, 2008.

### **4 – Curriculum structure and content:**

#### **4-a- Program duration: Minimum of 24 months**

الحد الأدنى لمدة الدراسة لنيل درجة الماجستير 24 شهرا (40 ساعة معتمدة) موزعة على ذات الجزئين مقسمة كالآتي:-  
الرسالة : مدتها 6 شهور على الأقل 7 ساعات معتمدة  
النجاح فيها بقبولها فقط بدون درجات وتعتبر تقارير المناقشة اعتمادا لساعات الرسالة كاملة ( 7 ساعات )  
الجزء الثاني : مدته 18 شهرا على الأقل درجاته 70% ساعاته 25 ساعة معتمدة على الأقل يبدأ بعد نهاية الجزء الأول بالنسبة للماجستير  
ومناقشة الرسالة للماجستير بالنسبة للأقسام الأكاديمية يتم إحتساب بداية الجزء الثاني بعد نهاية الأول مباشرة ويتم مناقشة الرسالة أثناء الجزء الثاني وساعاتها تحتسب بصورة مستقلة خارج نطاق 25 ساعة

#### **4-b- Program structures:**

يبين الجدول التالي المقررات الدراسية واختباراتها اللازمة لنيل درجة الماجستير في الجراحة العامة بكلية طب طنطا حسب البند (58) من لائحة الدراسات العليا الحالية.

م	التخصص	المقررات الدراسية	عدد الساعات			
			نظري	عملي	التدريسية	المعتمدة
11	الجراحة العامة	القسم الأول: 1- مقرر علمي				

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الإختبارات	عدد الساعات				المقررات الدراسية	التخصص	م
	التدريسية	المعمدة	نظري	عملي			
ثلاث ساعات فى التشريح والهستولوجيا + اختبار شفوى	15	2/1	15	1	وعملى فى التشريح الجراحى والنمو الجنينى والهستولوجيا		
2- اختبار تحريرى مدته ثلاث ساعات فى الفسيولوجيا والكيمياء الحيوية	15	2/1	7.5	2/1	2- مقرر علمى فى الفسيولوجيا والكيمياء الحيوية		
والفارماكولوجيا + اختبار شفوى			15	1	3- مقرر علمى		
3- اختبار تحريرى مدته ثلاث ساعات فى الباثولوجيا الجراحة العامة	15	2/1	7.5	2/1	وعملى فى الباثولوجيا الجراحية العامة		
والميكروبيولوجيا + اختبار شفوى			15	1	4- مقرر علمى		
	15	2/1	7.5	2/1	وعملى فى البكتريولوجيا		
			7.5	2/1	5- مقرر علمى فى الفارماكولوجيا		
			7.5	2/1	6- مقرر فى اللغة الانجليزية		
اجملى (8 ساعات معتمدة)	15	2/1			7- مقرر فى الكمبيوتر		
<b>القسم الثانى:</b>					<b>القسم الثانى:</b>		
1- اختباران تحريريان مدة كل منهما ثلاث ساعات فى الجراحة العامة وفروعها والباثولوجيا الجراحية الخاصة	30 ساعة			4 ساعات	1- مقرر علمى وإكلينيكي فى الجراحة العامة وفروعها وتشمل العظام وجراحة المسالك البولية وجراحة القلب والصدر وجراحة المخ والأعصاب وجراحة الأطفال وجراحة التجميل ويشمل حضور تدريبات فى فروع الجراحة العامة والخاصة وأقسامها .		
2- اختبار إكلينيكي	لمدة 70			اسبوعيا	2- مقرر علمى		
3- اختبار شفوى	اسبوع			لمدة 50 اسبوع	وعملى فى الباثولوجيا الجراحية الخاصة		
4- اختبار فى العمليات							

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مقررات الجزء الثاني لكل برنامج اكلينيكي مادة 58 من اللائحة مع ما يقره مجلس القسم لكل تخصص على حده حسب المواصفات المطلوبة لخريج البرنامج..

مقررات الجزء الثاني لكل برنامج اكلينيكي هو مادة التخصص و يجب أن تحتوى على برنامج تدريبي محدد

ساعة معتمدة = 15 ساعة نظري أو 30 ساعة عملي

لكل مجلس قسم سلطة تحديد ساعة معتمدة أو جزء منها عن الأنشطة الآتية ضمن البرنامج التدريبي للطلاب:

حضور سيمينار – مؤتمر القسم العلمي – تقديم عروض- حضور مناقشة رسائل – حضور عمليات – مناظير – أنشطة معملية – صباغة شرائح – مناقشة حالات أو نتائج أبحاث أو شرائح

### Curriculum content of Second Part:

A General Surgeon is one who has acquired specialized knowledge and experience related to the diagnosis, preoperative, operative, and postoperative management, including the management of complications, in ten primary components of Surgery, all of which are essential to the education of a broadly based surgeon (**Please, read the attached annex**)

Program structure:

4.b.i\_ No of hours per week:

Lectures: 4 taught hours/ week

Lab/ Exercise: 30 hours/ week

4.b.ii: check the attached annex for the log book requirements and training requirements plus requirement for Second Part Exam entry as approved by the council of General Surgery Department and according to the current postgraduate studies Liaisons of Tanta Faculty of Medicine.

### 5-Courses included in the program:

5.1 Courses titles in first part

To be provided and revised by the concerned Departments

5.1.a-compulsory

Code	Course Title	No. Of Hours /Week			Total hours / course	Remarks	Program ILOs Covered
		Lectures	Lab	Clinical			
TMED B01-03-Anatomy	Anatomy	1	1/2	0	1 1/2 CH		a.1, a.2, b.1, c.1, d1
TMED B02-03-Histology	Histology	1/2	1/2	0	1 CH		a.1, a.2, b.1, c1
TMED B03-03-Physiology	Physiology	1	0	0	1 CH		a.1, a.2, b.1, d.1, d4
TMED B04-03-Biochemistry	Biochemistry	1	0	0	1 CH		a.1, b.1, d.1, d4
TMED B07-03-Pathology	Pathology	0.5	0.5	0	1 CH		a.1, a.5, b.1, d.1, d3, d4
TMED 06-03-Microbiology	Microbiology	1/2	1/2	0	1CH		a.1, a. 5, b.1, c.2, d.1, d4
TMED B08-03-Pharmacology	Pharmacology	1/2	0	0	1/2 CH		a.1, a.5, b.1, d.1



**Academic Reference Standard (ARS)**

program ILOs versus courses ARS																								
ARS ILOs	A						B							C			D							
	1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	1	2	3	4	5	6	7	8
A	1	*																						
	2				*	*																		
	3		*	*																				
	4						*																	
B	1						*		*	*	*	*												
	2							*					*											
C	1													*		*								
	2														*									
	3														*									
	4															*								
D	1																*				*	*		*
	2															*								

**6. Program admission requirements:**

- 1) Obtain M.B B.Ch from a recognized university.
- 2) Completing internship of 12 months.
- 3) Passing an admission interview.
- 4) Provide two reference letters from two consultants recommending that the candidate is suitable for higher surgical training.
- 5) Signature of the candidate that he /she will abide by the rules and regulation of the training program or can be dismissed completely from the program.
- 6) The selected candidate will sign a declaration that he will be totally available of minimum of 2 days per week for two years.
- 7) Regulations of Tanta Faculty of Medicine Post Graduate Council will be followed.

**7. Regulation for progression and program completion**

- 1) Finishing the first part to get the thesis.
- 2) Thesis with Supervisor's report every 6 months
- 3) Log Book and Training according to Scheduled Program at department of General Surgery with Report of performance every 6 months to continue in the program.
- 4) Candidate according to the above rules can be dismissed from the program within the first 18 months if not abide to them.

**8-Program assessment and evaluation:**

**Assessment**

Item	Mark		
	During semester	End of semester	Total
First Part (If present)	Attendance to lectures and Lab	End exam of First Part	600 X 30%= 180
Thesis	Report every 6 months	Thesis Defense	

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Item		Mark		
		During semester	End of semester	Total
Second Part Log Book and Training		Attendance to lectures and Wards Plus Report every 6 months		
Final Second Part Exam	Written	200		600
	Oral	200		X
	Practical /Clinical	200		70 %=420
<b>Total</b>				<b>600</b>

**Evaluation**

- Reports of program external and internal evaluators
- Questionnaire to students and stick holders
- Reports of faculty internal auditing system

Will be included in the annual program report, and action plan will be structured accordingly

**- Annex of the Current Program Specifications and the Log Book System are integral parts of the program specifications (Please read it very carefully)**

**List of Books:**

- 1) Kasar AlAini Textbook of Surgery, 2008
- 2) Baily and Love's Short Practice of Surgery, 2008
- 3) Manual of Trauma and emergency Surgery, 2000
- 4) Farquharson's Textbook of Operative General Surgery, 2005
- 5) Foster Basic Surgical Operations, 2000
- 6) Essentials of Surgery, 1997
- 7) Maingot's Abdominal Operations, 1997
- 8) Mastery of Endoscopic and Laparoscopic Surgery, 2008

**References of Program Specification:**

- 1) Academic Reference Standards (ARS) for Post graduate studies
- 2) Egyptian Board Fellowship in General Surgery 2008
- 3) Training for General Surgery in North Europe according to EUMS requirements, 2000.
- 4) Saudi Board of General Surgery, 2008.
- 5) Canadian Residency Program for General Surgery, 2005.
- 6) American College of Surgeons Guide for Residency Training Program of General Surgery for University of Hawaii, 2005.

**We certify that all of the information required to deliver this program is contained in the above specifications and will be implemented**



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We verify that the above Program and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

name.....signature.....Date.....

Head of quality assurance unit:

name.....signature.....Date.....