



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of General Surgery

Program Specifications

**General Surgery Diploma
degree**

2015-2016

Program Specifications: General Surgery Diploma degree, 2015-6

General Surgery Diploma degree Program specifications

University: Tanta Faculty: Medicine Department: General Surgery

A- Basic information

1-Program title: General Surgery Diploma degree

2-Program Code: TMED02-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 safely in the start of surgical career.
- To provide an educational environment that promotes the standard delivery of health care.
- To prepare Residents to become Assistant 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.

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- a4 – Describe basic knowledge about safe surgical environment.
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 (NAQAEE) 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 18 months

الحد الأدنى لمدة الدراسة لنيل درجة الدبلوم 18 شهرا (33 ساعة معتمدة) موزعة على ذات الجزئين مقسمة كالآتي:-
-الجزء الاول: 8 ساعات معتمدة
الجزء الثاني : مدته 12 شهرا على الأقل درجاته 70% ساعاته 25 ساعة معتمدة على الأقل يبدأ بعد نهاية الجزء الاول بالنسبة للماجستير
باجمالي 33 ساعة معتمدة

4-b- Program structure:

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

م	التخصص	المقررات الدراسية	عدد الساعات نظرى عملى	الإختبارات
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القسم الأول:	التدريسية	المعتمدة	التدريسية	المعتمدة	القسم الأول:	الجراحة العامة	11
1- اختبار تحريري مدته ثلاث ساعات في التشريح والهستولوجيا + اختبار شفوي	15	2/1	15	1	1- مقرر علمي وعملي في التشريح الجراحي والنمو الجنيني والهستولوجيا		
2- اختبار تحريري مدته ثلاث ساعات في الفسيولوجيا والكيمياء الحيوية والفارماكولوجيا + اختبار شفوي	15	2/1	7.5	2/1	2- مقرر علمي في الفسيولوجيا والكيمياء الحيوية		
3- اختبار تحريري مدته ثلاث ساعات في الباثولوجيا الجراحية العامة والميكروبيولوجيا + اختبار شفوي	15	2/1	7.5	2/1	3- مقرر علمي وعملي في الباثولوجيا الجراحية العامة		
	15	2/1	7.5	2/1	4- مقرر علمي وعملي في البكتريولوجيا		
			7.5	2/1	5- مقرر علمي في الفارماكولوجيا		
			7.5	2/1	6- مقرر في اللغة الانجليزية		
اجملي (8 ساعات معتمدة)	15	2/1			7- مقرر في الكمبيوتر		
القسم الثاني:					القسم الثاني:		
1- اختباران تحريريان مدة كل منهما ثلاث ساعات في الجراحة العامة وفروعها والباثولوجيا الجراحية الخاصة	30 ساعة تدريب أسبوعياً			4 ساعات نظري	1- مقرر علمي وإكلينيكي في الجراحة العامة وفروعها وتشمل العظام وجراحة المسالك البولية وجراحة القلب والصدر وجراحة المخ والأعصاب وجراحة الأطفال وجراحة التجميل ويشمل حضور تدريبات في فروع الجراحة العامة والخاصة وأقسامها .		
2- اختبار إكلينيكي	لمدة 70 اسبوع			لمدة 50 اسبوع	2- مقرر علمي وعملي في الباثولوجيا الجراحية الخاصة		
3- اختبار شفوي							
4- اختبار في 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..

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 00-02-English	English	1/2	0	0	1/2 CH		a.1, a.3, b.1, b.2, c.3
TMED 00-02-Computer	Computer	0	1/2	0	1/2 CH		c.3, d3, d4
TMED B01-02-Anatomy	Anatomy	1	1/2	0	1 1/2 CH		a.1, a.2, b.1, c.1, d1
TMED B02-02-Histology	Histology	1/2	1/2	0	1 CH		a.1, a.2, b.1, c1
TMED B03-02-Physiology	Physiology	1	0	0	1 CH		a.1, a.2, b.1, d.1, d4
TMED B04-02-Biochemistry	Biochemistry	1	0	0	1 CH		a.1, b.1, d.1, d4
TMED B07-02-Pathology	Pathology	1/2	1/2	0	1 CH		a.1, a.5, b.1, d.1, d3, d4
TMED 06-02-Microbiology	Microbiology	1/2	1/2	0	1		a.1, a. 5,

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Code	Course Title	No. Of Hours /Week			Total hours / course	Remarks	Program ILOs Covered
		Lectures	Lab.	Clinical			
Microbiology					CH		b.1, c.2, d.1, d4
TMED B08-02-Pharmacology	Pharmacology	1/2	0	0	1/2 CH		a.1, a.5, b.1, d.1

5.2 Courses titles in second part

5.2.a- Compulsory

Code	Course Title	No. Of Hours /Week			Total hours / course	Remarks	Program ILOs Covered
		Lectures	Lab.	Clinical			
TMED. A015-03	General Surgery	13 Credit hours	2 Credit hours	10 Credit hours	25		a.1, a.2, a.3, a.4, a.5, b.1, b.2, c.1, c.2, c.3, , d.1, d.2, d3, d4

Completion of the required Log Book and the Training program is compulsory part in the program

Minimum Credit hours (total of the program) :

Lectures :	lab	Practical :	Total
18.5	4.5	10	33 Credit hours

Plus the pre requisite within training and Log Book.

program ILOs versus courses matrix														
	ILOs													
	a					b		C			D			
	1	2	3	4	5	1	2	1	2	3	1	2	3	4
anatomy	*	*				*		*			*			
histology	*	*				*		*						
physiology	*	*				*					*			*
biochemistry	*					*					*			*
pathology	*				*	*					*		*	*
microbiology	*				*	*		*			*			*
pharmacology	*				*	*					*			
English	*		*			*	*			*				
computer										*			*	*
General surgery	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Academic Reference Standard (ARS)

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

6. Program admission requirements:

- 1) Obtain M.B B.Ch from a recognized university.
- 2) Completing internship of 12 months.
- 3) Provide two reference letters from two consultants recommending that the candidate is suitable for higher surgical training.
- 4) 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.
- 5) The selected candidate will sign a declaration that he will be totally available of minimum of 2 days per week for one year after finishing the first part.
- 6) Regulations of Tanta Faculty of Medicine Post Graduate Council will be followed.

7. Regulation for progression and program completion

- 1) Finishing the first part.
- 2) 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.
- 3) Candidate according to the above rules can be dismissed from the program within the first 12 months if not abide to them.

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8-Program assessment and evaluation:

Assessment

Item	Mark		
	During semester	End of semester	Total
First Part	Attendance to lectures and Lab	End exam of First Part Written, oral and practical	600 X 30%= 180
Second Part Log Book and Training	Attendance to lectures and Wards Plus Report every 6 months	Completion is obligatory with 75 % attendance as minimum to be admitted to the second part exam	
Final Second Part Exam	Written	200	600 X 70 %= 420
	Oral	200	
	Practical /Clinical	200	
Total			600

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

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.

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7) The Program Specifications of Master Degree in General Surgery of Tanta University, 2010.

9-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.....