



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of General Surgery

Course Specifications

**General Surgery for
Radiology and Medical
Imaging master degree**

2015-2016

Course Specifications: General Surgery for Radiology and Medical Imaging master degree, 2015-2016

General Surgery for Radiology and Medical Imaging master degree Course specifications

University: Tanta Faculty: Medicine Department: General Surgery

A- Administrative Information

1- Course title: General Surgery for Radiology and Medical Imaging master degree

2- Department offering the program: Radiology and Medical Imaging Department

3- Department responsible for the course: General Surgery Department, Faculty of medicine.

4- Course code: TMED. 03-A17 Gen Surg

- Level: Second Part: of Total 70 %

6- No. of Credit / taught hours:

- Lectures : 30 h (2 credit h clinical : 60 h(2 credit h Others: 0 Total : 90 h(4 credit h)

7-Authorization date of course specification: 18-9-2013

B- Professional Information

1 – Overall course aims

Our Course aims to:

- To provide a core scientific knowledge concerning the understanding, preparing and managing different surgical conditions related to Radiology and Medical Imaging safely.
- To train and graduate competent Radiology and Medical Imaging specialist with good knowledge about the general surgery topics in relation to his specialty practice.
- To provide an educational environment that promotes the standard delivery of general health care.

2 – Intended learning outcomes (ILOs):

a. Knowledge and understanding:

By the end of the course the candidate will be able to:

- a1 – describe the principles of General surgery in relation to Radiology and Medical Imaging.
- a2 - Formulate a reasonable and comprehensive differential diagnosis and recognized common disorders between general surgery and Radiology and Medical Imaging.

b. Intellectual skills:

By the end of the course 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.

c. Professional and practical skills:

By the end of the course 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 trauma.
- c2- Communicate well with patients, their relatives and colleagues.
- c3- Educate and update himself and others in the field.

d. General and transferable skills:

By the end of the course the candidate will be able to:

- d1- Possess high ethical and moral standards.
- d2 – Apply self education and specify his educational needs.
- d3 – Practice team working and lead teams in specialized professional jobs.

3 – Course content:

3-a- Course Structure:

General topics

- 1) Shock and hemorrhage
- 2) Cardio pulmonary resuscitation (CPR)
- 3) Blood transfusion and coagulation defects
- 4) Wound healing, wound care and surgical incisions
- 5) Pre operative preparation & post operative complications
- 6) Management of trauma
- 7) Fluids, electrolytes and nutritional management
- 8) Burns
- 9) Principles of oncology
- 10) Principal of transplantation
- 11) Physiological monitoring of surgical patient and pain management
- 12) Endocrine and metabolic response to injury and stress

Each topic will be given in a 2 hours lecture

Special topics:

- 1) Skin swelling and ulcers
- 2) Subcutaneous lesions
- 3) Peripheral arterial ischemia
- 4) Breast diseases
- 5) D.D of inguinoscrotal swellings
- 6) Abdominothoracic trauma
- 7) D.V.T
- 8) D.D of lateral and midline neck swellings
- 9) Cervical lymphadenopathy
- 10) Thyroid
- 11) Swollen leg and varicose veins

Attending concerning lectures is mandatory to all candidates (75% attendance)

Plus one month practical training in the Emergency Surgery including CPR (Cardio Pulmonary Resuscitation) Principles

3-b- Course structure:

حسب لائحة الدراسات العليا الحالية لكلية الطب – جامعة طنطا
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

Course structure:

- Lectures : 30 h (2 credit h clinical : 60 h(2 credit h Others: 0 Total : 90 h(4 credit h)

3.b.i_ No of hours per week:

For 15 weeks. Lectures: 2 taught hours/ week and clinical: 4 taught hours/ week

4-Teaching and learning methods

- Lectures
- Seminars
- Workshops
- Bedside teaching

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- assignments
- conference participation and attendance
- observation

5-Student Assessment

- 5.1... written to assess (a.1, 2,)
5.2 ...oral to assess... (a1, 2, b. 1,)
5.3... practical to assess (b1, 2c. 1, 2,)
5.4...Log Book to assess (a3, c.3, d1, 2, 3,)

6- Weighing of assessments

Item	Mark		
	During semester	End of semester	Total
Second Part	Attendance to lectures and Lab	End exam of First Part Written, oral and practical	
Total			

Method of Assessment	%
Final term examination	40 %
Oral examination	30 %
Practical/laboratory work	30 %
Total	100%

7- List of references

- 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

8-Other resources/ facilities required for teaching and learning to achieve the above ILOs

None

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

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We verify that the above Course 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.....