

Course Specification

University: Al-Azhar
 Faculty: Medicine
 Department: General Surgery

1- Data of the course:

Code of the course: 601-Surg	Title of the course: General surgery Duration: 8 months	Year: 6 th year of MBBCh program
Specialty: General surgery	Number of teaching units: 2 General and special surgery	Lectures: 350 hours Total:600hrs OPD: 40 hrs special Clinical: 350 hrs

2- Objectives o the course:	<ul style="list-style-type: none"> • To provide the student with the knowledge, and skills which enable him/her to identify, analyze, manage and/or refer clinical surgical problems in order to provide efficient, cost effective and human/patient care. • To provide the student with an appropriate background covering the common and/ or important surgical emergencies. • To enable the student to detect cancer at an early stage. • To enable the development and application of appropriate professional attitudes, ethical principles and communication skills.
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3- ILOs

A- Knowledge and understanding:	<p>On successful completion of the course, the student should be able to:</p> <ol style="list-style-type: none"> 1- Describe the anatomy of surgically-important regions, organs and structures of the body. 2- Describe the etiology, pathogenesis and pathology of important and/ or common surgical diseases. 3- Discuss the clinical manifestations, complications, diagnostic modalities, outcome and treatment plans for common and/or important surgical problems, with special emphasis on emergencies and malignancies.
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	<ol style="list-style-type: none"> 4- Explain the methods of screening and early detection of cancer. 5- Recognize the ethical principles that govern decision-making in surgical practice. 6- Discuss the principles and practice of preoperative preparation and postoperative care. 7- Describe the basic steps needed for the conduction of safe anesthesia. 8- Outline the physiologic effects of pain and the principles of its management.
<p>B- Intellectual Skills:</p>	<ol style="list-style-type: none"> 1- Interpret patient symptoms and physical findings in terms of their anatomic, pathologic and functional diagnostic significances. 2- Identify problems, prioritize them, and generate a list of differential diagnosis for each problem. 3- Select the most appropriate and cost-effective diagnostic and therapeutic procedure for each problem. 4- Interpret the results of commonly used diagnostic procedures. 5- Use the results of tests ordered to modify the problem list and the differential diagnosis accordingly. 6- Combine the clinical and investigational database, with the evidence based knowledge and the skill of deductive reasoning to be proficient in clinical problem-solving.

<p>C- Professional Skills:</p>	<p>By the end of the course the student will be able to:</p> <ol style="list-style-type: none"> 1- Obtain, perform and document a complete medical history and physical examination. 2- Perform an emergency-directed examination for patients with common surgical emergencies. 3- Utilize sources of information like medical records, patient's family/friends to augment medical history. 1- Recognize patients with life/organ-threatening surgical conditions and perform appropriate initial therapy. 2- Identify and outline management of patients with chronic surgical conditions requiring long-term follow-up, rehabilitation and pain relief. 3- Perform routine bedside procedures. 4- Apply the principles of sterile techniques and infection control guidelines. 5- Achieve consensus with the patient or patient surrogate on the treatment plan selected. 6- Monitor the effectiveness of therapy by identifying clinical and investigative parameters to be used in assessing the patient's response to treatment and re-evaluate management plan accordingly.
<p>D- General Skills:</p>	<p>By the end of the course the student will be able to:</p> <ol style="list-style-type: none"> 1- Conduct sincere and effective patient interviews, properly explain their condition and plan of management, obtain consents and convey bad news in a professional way. 2- Write patient records and properly present them. 3- Communicate, consult and respect the role of other health-care providers. 4- Work effectively and cooperatively in a team. 5- Formulate a focused clinical question based on real or hypothetical case, search effectively medical literature using electronic resources, retrieve appropriate information and appraise them using the principles of evidence based medicine. 6- Treat the patient as a person, respecting his confidentiality and deliver care in an honest, considerate and compassionate manner 7- Advocate the patient's interests over his own. 8- Maintain a professional image, and practice a responsible attitude 9- Outline the ethical principles related to organ donation. 10- Discuss professional errors in an honest way.

4- Course Content:	Topic	Topics Weight	Number of Lectures
	1.Basic disease processes	3	5
2.Peri-operative care	3	5	
3.Burns and principles of plastic surgery	2	2	
4.Skin and subcutaneous tissues	2	2	
5.Muscles, tendons, and fascia	1.5	2	
6.Hand and foot	1.5	2	
7.Vascular surgery	5	6	
8.Lymphoreticular disorders	1	1	
9.Head and neck	3	3	
10.Breast	3	3	
11.Endocrinal surgery	4	5	
12.Esophagus	2	3	
13.Stomach and duodenum	3	3	
14.Liver	2	3	
15.Biliary system	3	4	
16.Pancreas	2	2	
17.Spleen	2	2	
18.Peritoneum, omentum and mesentery	1	2	
19.Small and large intestine	6	7	
20.Appendix	1	1	
21.Anal canal	2	3	
22.Abdominal wall and hernias	4	3	
23.Review subjects	2	3	
24.Pediatric surgery	5	5	
25.Cardiothoracic surgery	2	3	
26.Urology	5	10	
27.Testis and scrotum	2	3	
28.Trauma	4	5	
29.Orthopedic surgery	5	10	
30.Neuro-surgery	3	10	
31.Anesthesia and emergency medicine	8	20	
32.Minimal invasive and laparoscopic surgery	1	1	
33.Ethics and communication skills	1	1	
34.Surgical radiology	5	10	
	100%	150	

5- Methods of teaching:	<ul style="list-style-type: none"> - Lectures - Clinical sessions - Audiovisual - Independent learning (IDL)
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6- Methods of teaching of handicaps	Not present
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7- Students evaluation and assessment:

A. Method of assessment:	Tool	Purpose: Assessment of:
	Written examination	Knowledge and understanding
	Clinical examination (long case)	Clinical and intellectual skills and general skills and attitudes
	Clinical examination (OSCE)	Data acquisition
	Oral examination	Knowledge and understanding
	x-ray, anatomy	Knowledge and data analysis
	ER attendance	Data acquisition and skills related to treatment strategies
	Clinical presentation	Skills related to treatment strategies, general skills and attitude
	Staff rounds	Skills related to treatment strategies, general skills and attitude
	Seminars	Skills related to treatment strategies, general skills and attitude
	OR attendance	Skills related to treatment strategies, general skills and attitude
A- Time of assessment	<ul style="list-style-type: none"> - End round Exam after group rotation - End year Exam in November or April 	
B- Allocated marks/Distribution	Final Writing Paper 2	180
	Long Case (clinical exam)	90
	2 short cases (clinical exam)	90
	Jars (surgical pathology)	45
	Operative surgery	45
	Surgical anatomy	45
	Oral Exam	45
	Total	900 ?
The minimum passing score is 540, provided at least 108 are obtained in the written exam		

B. Teaching books, notebooks, and references:

- Books/Notebooks:	1. Bailey and Love's Short Practice of Surgery 2. Current Surgical Diagnosis and Treatment 3. Browse NL: An introduction to the Symptoms and Signs of Surgical Disease
- References:	4. Website: www.medscape.com

Head of the department

Course Coordinator