



Course Specifications

Course Title:	Surgery II
Course Code:	501 SURG-7
Program:	Bachelor of Medicine and Bachelor of Surgery (MBBS)
Department:	N/A
College:	Medicine
Institution:	Najran University

A. Course Identification

1. Credit hours: 7 (2+5)
2. Course type a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input type="checkbox"/> Others <input type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: Level 14 / Year 5
4. Pre-requisites for this course (if any): Surgery 1 , Medicine 1 , Basic Clinical Skills
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom		
2	Blended Lectures (20) Seminars (10)	40	15%
3	E-learning		
4	Distance learning		
5	Other	225	85%

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	20
2	Seminar	20
3	Skill Lab	57
4	Bedside Teaching (BST)	96
5	Emergency Department (ED)	24
6	Operating Room (OR)	24
7	Out-patient Department (OPD)	24
	Total	265

B. Course Objectives

1. Course Description

- Surgery II course is a continuation of surgery I modules and intended to provide the undergraduate medical student who finished his surgery I with the appropriate knowledge of the common surgical diseases in the different specialties of surgery.
- This course is delivered to the medical students at the level 10/5th year.
- The course will address the common surgical diseases in general surgery, vascular, plastic, urology, pediatric surgery, cardiothoracic surgery, transplant, neurosurgery, endocrine and modern surgical techniques and others.
- The main aim is to apply the problem solving approach using the basic knowledge and clinical skills for the diagnosis and management, of different surgical diseases.
- Through this course, students will gain the clinical skills and the basic scientific knowledge in different specialties of surgery that will help them to discuss, interpret and use their basic sciences clinical and interpersonal skills to solve patient's problem in surgical practice.
- The student will be able to understand the value of informed consent in surgical practice and be able to discuss with the patient or his relatives the proposed outcome of surgical intervention.

2. Course Main Objective

By the end of this course, the students are expected to develop following:

- 1) PROMOTION of Patient-centred model of surgical care, Understanding, (The patient is the center of the medical universe around which all our works revolve and towards which all our efforts trend).
- 2) DEVELOPMENT of comprehensive surgical, care at the level in undergraduate.
- 3) TEACHING the need for continued self-directed learning in surgery as specialty.
- 4) PROVISION of surgical care to all patients of the community irrespective of age, sex, culture and socio-economic background
- 5) COMPETENCE in clinical ability to take personal responsibility for rendering comprehensive and continuing care of his patients in emergency and elective settings
- 6) THE VALUE of the team work and interdisciplinary management of patients.

C. Course Content

No	List of Topics	Contact Hours
1	Urinary symptoms, sign & Investigation of urinary system. (BST)	3
2	Proctoscope, P/R examination, approach to GIT bleeding (Skill lab)	3
3	Testicular tumor. (Seminar)	2
4	Complicated hernia, sciatica. (BST)	3
5	Post-operative pain management. (L)	1
6	Urinary stones complications and emergency presentation and Management. (BST)	3
7	Surgery for morbid obesity. Thyroidectomy. (OR+BST)	6
8	Congenital anomalies of urinary system (L)	1
9	D/D of neck swelling. (BST).	3

11	Neck and thyroid examination and approach to Thyroid mass (Skill lab) .	3
10	Anal problems (pile, fissure & fistulae) & varicose veins. (OPD)	3
11	Urinary bladder tumors (L)	1
12	Surgical management of intestinal obstruction (BST) .	3
13	Acute ischemia & DVT of lower limb. (BST)	3
14	Surgical and laparoscopic instrument (Skill lab)	3
15	Urinary system trauma. (L)	1
16	A case of Hematuria & urinary stone (BST)	3
17	Laparotomy for internal hemorrhage & intestinal obstruction or acute Abdomen. Operating room (OR)	3
18	Advanced Trauma Life Support (Skill lab) .	3
19	Approach to Diabetic Septic foot (BST) .	3
20	Management of chronic ischemia of lower limb. (BST)	3
21	Dysphagia & dyspepsia. (OPD+ BST)	6
22	Common renal tumors in adult and Pediatrics (L)	1
23	Inguinoscrotal conditions (congenital hernia, hydrocele. anomalies of the testes (L+ BST) .	4
24	Breast examination , approach to case of breast mass (Skill lab) .	3
25	Peripheral nerve injuries and entrapment. (L)	1
26	Acute abdomen in neonate. (L+BST)	4
27	Acute abdomen in infants and older children (L+BST)	4
28	WHO surgical check list. Drainage of abscess. Hernia repair. (OR)	3
29	Acute and chronic urine retention (BOO). (L+BST) .	4
30	APUDOMAS, (MEN) (Pheochromocytoma) (Seminar + BST)	5
31	A case of Cleft lip/palate (BST) .	3
32	Laparotomy for intestinal obstruction. (OR) .	3
33	Neural tube defects. (L)	1
34	Gastric outlet obstruction in adult. (L+OPD)	4
35	Esophageal atresia. (L) .	1
36	Pain in loin (urinary stone). Emergency department (ED)	3
37	Brain tumors and SOL. Increased intracranial pressure (L)	1
38	Chest trauma and Intercostal tube management and indication (BST)	3
39	Wound closure (L)	1
40	Hematuria & bleeding / rectum. Outpatient department (OPD) + BST	6
41	The Surgeons Role in unconventional Civilian Disasters (L)	1
42	A case of leg & foot ulcer. (BST) .	3
43	Obstructed hernia, urine retention. Emergency department (ED) .	3
44	Examination & Management of a case of pancreatitis. (BST) .	3
45	Chronic urine retention. Jaundice (BST) .	3
46	Approach to a case of breast mass (BST) .	3
47	Principles of Transplant surgery (L)	1
48	Cancer stomach. (L)	1
49	Limping and joint swelling in child. (BST)	3
50	Appendectomy. Cholecystectomy (Lap. and open) (OR)	3
51	Power resource in Surgery (Seminar)	2
52	Splenomegaly & Surgical indications of splenectomy. (BST)	3
53	A case of extra-abdominal hernia, cellulites. (OPD) .	3
54	Lung tumor. (Seminar)	2

55	Peripheral vascular examination and approach to peripheral vascular diseases (Skill lab) .	3
56	Air way management. Emergency department (ED)	3
57	A case of change in bowel habit / rectal bleeding (LGIT) bleeding (BST)	3
58	GIT Diverticula. (Seminar)	2
59	Collection of samples for occult blood in faces, & testing of blood. Performing Fluid resuscitation (Skill lab) .	3
60	Bone tumors (Seminar)	2
61	Approach to a comatose patient and estimating GCS (Skill lab)	3
62	Benign & malignant pancreatic mass (BST)	3
63	Robotic & nature orifice surgery & Diathermy (Seminar)	2
64	Cancer esophagus (L)	1
65	Important investigation in surgery. (Skill lab)	3
66	A case of Hematemesis & Fecal fistula (BST) .	3
67	Cervical spine clearance in trauma patients and Application of C-collar and Spine Board . (Skill lab)	3
68	Portal hypertension. (Seminar + BST)	5
69	Technique For maintaining Airway, Observing Intubation (Skill lab)	3
70	Benign & malignant liver tumor. (BST) .	3
71	Parathyroid nodules (Seminar)	2
72	Cholecystectomy (Lap. and open). (BST) .	3
73	A case of extra-abdominal hernia (incisional, umbilical & groin) (BST) .	3
74	Approach to Head trauma patient. (BST)	3
75	Surgery for a case of malignant obstructive Jaundice. Excision of breast mass, mastectomy (OR)	3
76	Management of trauma patient. Emergency department (ED) .	3
77	D/D of a case of abdominal masses or swelling in adult and pediatric (BST) .	3
78	Anorectal malignancy & Management of colorectal Cancer (BST)	3
79	Surgical management of a case of acute abdomen (ED) .	3
80	Inflammatory bowel disease. & Intestinal stoma. (Seminar)+ (BST)	5
81	A case of lumps in groin, A case of cholecystitis, perianal condition & Neck mass. Outpatient department (OPD) .	3
82	Abdominal examination , approach to acute abdomen (Skill lab)	3
83	Abdominal pain, burn. Emergency department (ED) .	3
84	A case of diabetic foot (BST) .	3
85	Approach to urine retention & Hematuria. (BST)	3
86	Approach to a case of aneurysms. (BST) .	3
87	A case of cholecystitis & biliary colic (BST) .	3
88	A case of Calicular obstructive Jaundice & pancreatitis (BST) .	3
89	A case of acute appendicitis & cut wound (OR) .	3
90	Introduction to the course (L)	1
91	Approach to soft tissue sarcomas (BST)	3
92	Approach to Polytrauma patient. (BST)	3
93	Neck mass. & A case of fecal fistula (OPD) .	3
	Total	265

D. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Continuous Assessment		40%
	Logbook	1. Beginning of 8th	5%
	Seminar	2. All through the course	5%
	Mid-term exam	3. Beginning of 5th	15% (MCQs) 15% (OSPE)
2	Final exam		60%
	Final MCQs exam	Middle of 8th	15%
	Final clinical exam	OSPE, Short case, and Long case	
	Clinical	End of 8th	45% (30% clinical + 15% OSPE)

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<ol style="list-style-type: none"> Bailey & Love's short practice of surgery 27th edition R.C.G. Russell, Norman Williams and Christopher J.K. Bulstrode (March 21, 2018) Symptoms and signs of surgical diseases Norman brow's Norman L. Browse (Author), John Black (Author), Kevin G. Burnand (1 January 2010) Current diagnosis and treatment surgery 14th edition By:Gerard Doherty McGraw Hill Education Books USA 2015 Oxford handbook of clinical surgery 4th edition by Greg McLatchie, Neil Borley, and Joanna Chikwe. 2013 Journal of general Surgery UK-USA Clinical surgery A. Cuschieri, P.A. Grace (Alfred Cuschieri , George Hanna) 5th edition 2013 Handbook of Neurosurgery 9th edition. By: Greenberg, Mark (Year 2020)
Essential References Materials	<ol style="list-style-type: none"> Essential surgical practice: Higher surgical training in general surgery, 5th edition. Alfred Cuschieri, George Hanna. January 20, 2015 by CRC Press. Reference- 1076 pages. ISBN 9781444137606-cat# K 17645 Saudi medical journal
Electronic Materials	<ol style="list-style-type: none"> Teaching videos demonstrations of different physical examinations. SDL (Saudi Digital Library) Blackboard. www.Pubmed.com www.Medscape.com
Other Learning Materials	Computer-based programs/CD, professional standards or regulations and software. Videos of clinical examination demonstration

2. Facilities Required

Item	Resources
<p style="text-align: center;">Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)</p>	<ol style="list-style-type: none"> 1. Lecture room suitable for the number of the students. 2. Teaching hospital for bedside teaching. 3. Skill lab, prepared with different mannequins suitable for performing different surgical procedures.
<p style="text-align: center;">Technology Resources (AV, data show, Smart Board, software, etc.)</p>	Computers, multimedia in the lecture rooms.
<p style="text-align: center;">Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)</p>	<ol style="list-style-type: none"> 1. Library supplied with reference text books, electronic resources. 2. Video tapes in the skill lab (CD) of clinical examination.

F. Specification Approval Data

Council / Committee	Surgery Department/ Medical education committee
Reference No.	Surgery Meeting - 9
Date	26-5-1444 (20-12-2022)