



## Course Specifications

<b>Course Title:</b>	Surgery -I
<b>Course Code:</b>	483 SUR-7
<b>Program:</b>	Bachelor of Medicine and Bachelor of Surgery (MBBS)
<b>Department:</b>	NA
<b>College:</b>	Medicine
<b>Institution:</b>	Najran University

## A. Course Identification

<b>1. Credit hours:</b> 7(3+4)
<b>2. Course type</b> a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input type="checkbox"/> <input checked="" type="checkbox"/> program b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> (level 12) Year 4 - Semester-3
<b>4. Pre-requisites for this course (if any):</b> None
<b>5. Co-requisites for this course (if any):</b> None

### 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	0	0
2	Blended	66	27%
3	E-learning	0	0
4	Distance learning	0	0
5	Others: BST, Skill lab	180	73%

### 7. Contact Hours (based on academic semester)

No	Activity	Contact hours
1	Lecture 24	24
2	Seminars 21	42
4	BST/OPD/OR/ED (clinical sessions) 49	147
5	Skill Lab 11	33
	<b>Total</b>	<b>246</b>

## B. Course Objectives and Learning Outcomes

### 1. Course Description

Surgery I course is the first surgical module and intended to provide the undergraduate medical student with the appropriate knowledge of common surgical diseases. The course will address the common surgical diseases in general surgery, plastic, 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 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 student should be able to

- 1) **Interpret** of Symptoms and Signs of Surgical Diseases & Their Radiological Appearances, Laboratory Studies & General Plan of Treatment.
- 2) **Examine** clinically patients with surgical disorders
- 3) **Apply** Problem Solving Approach to Common Surgical Problems and Disorders.
- 4) **Explain** of the Pathogenesis of Various Surgical Problems, Diseases, their Presentations and their initial management.

5- Demonstrate professional conducts adhering to medical ethics & professionalism national identity, and Islamic values.

## C. Course Content

No	List of Topics		Contact Hours
1	introduction to the Course	Lecture	1(1+0)
2	Abdominal examination	Skill lab	3(0+3)
3	Shock and Metabolic Response to Surgery	Seminar	2(2+0)
4	Wounds and Wound Healing	Seminar	2(2+0)
5	Pre-post Operation Preparation	Seminar	2(2+0)
6	Examination of swelling, Ulcer & Common Surgical swelling & fistula	Skill lab	3(0+3)
7	Nutrition of the Surgical Patient	Lecture	1(1+0)
8	Common Benign Breast Disease	Seminar	2(2+0)
9	Common Benign Thyroid Disease	Seminar	2(2+0)
10	Common Benign Esophageal Disease	Lecture	1(1+0)
11	General Complications of Surgery	Seminar	2(2+0)
12	Sterilization and Operation Room Set-Up	Seminar	2(2+0)
13	Acute Appendicitis	Lecture	1(1+0)
14	Breast examination	Skill lab	3(0+3)
15	Congenital Neck Swellings	Lecture	1(1+0)
16	Pancreatitis	Lecture	1(1+0)
17	Biliary tract surgical anatomy, congenital anomalies & Acute, chronic cholecystitis	Lecture	1(1+0)
18	Obstructive Jaundice	Seminar	2(2+0)
19	Small & large Intestinal Obstruction	Seminar	2(2+0)
20	D\D of acute Abdominal Pain	Seminar	2(2+0)
21	Groin Hernia	Lecture	1(1+0)
22	Abdominal hernia	Seminar	2(2+0)
23	Tubes & Drains (Suction, Nelaton's, Sungestaken, NGT insertion and gastric lavage) , Bleeding control by pressure and tourniquet	Skill lab	3(0+3)

24	Surgical wound Infections and Antibiotics	Lecture	1(1+0)
25	Neck & thyroid examination	Skill lab	3(0+3)
26	Peripheral Vascular Examination & Varicose veins	Skill lab	3(0+3)
27	Advance Trauma Life Support & Trauma Management	Lecture	1(1+0)
28	Cellulitis, Abscess and Gas Gangrene	Lecture	1(1+0)
29	Hand Infection	Seminar	2(2+0)
30	The technique for maintaining air way & ICT Insertion	Skill lab	3(0+3)
31	Abdominal trauma	Seminar	2(2+0)
32	Chest trauma	Seminar	2(2+0)
33	Fluids, electrolytes and acid-base disturbance	Lecture	1(1+0)
34	Drainage of abscess /Using of local anesthetics & Local & General Anesthesia	Skill lab	3(0+3)
35	DVT & pulmonary embolism	Lecture	1(1+0)
36	Acute Limb Ischemia & Chronic Limb Ischemia	Seminar	2(2+0)
37	Acute Scrotum & hematuria	Lecture	1(1+0)
38	Diabetic septic foot	Lecture	1(1+0)
39	Urolithiasis	Seminar	2(2+0)
40	Surgical & Laparoscopic instruments	Skill lab	3(0+3)
41	Intestinal polyp & Colon cancer	Seminar	2(0+2)
42	Upper & lower GIT Bleeding	Seminar	2(2+0)
43	Fracture Principle, Classification & complications Fracture Management	Lecture	1(1+0)
44	Compartment syndrome and open fractures	Lecture	1(1+0)
45	Peptic ulcer diseases, complications and its management	Lecture	1(1+0)
46	Supra- condylar fracture of humerus	Lecture	1(1+0)
47	Principles of Bariatric Surgery	Lecture	1(1+0)
48	Ano-rectal Malformation	Lecture	1(1+0)
49	Pile and fissure & Perianal suppuration and fistula	Seminar	2(2+0)
50	Shoulder, hip and knee dislocation	Seminar	2(2+0)
51	Principles of Minimally Invasive Surgery	Lecture	1(1+0)
52	Hydatid cyst / Liver abscess	Lecture	1(1+0)
53	Thoracic Empyema	Lecture	1(1+0)
54	Casting technique for UL & LL fractures. Plaster Of Paris	Skill lab	3(0+3)
55	Assessing plain abdominal and chest radiographs with techniques Basic surgical radiology	Skill lab	3(0+3)
56	Burn	Seminar	2(2+0)
57	BST/OPD/OR (clinical sessions)		48(0+3)
<b>Total</b>			<b>246</b>

## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-block MCQs exam	4	10%
2	Mid-block OSPE exam	4	10%
3	Log book	1-7	5%
4	Final MCQS	8	20%
5	Final OSPE	8	15%
6	Final OSCE	8	25%

#	Assessment task*	Week Due	Percentage of Total Assessment Score
7	Seminar Rubric assessment	1-7	5%
8	Mini - CEX	4-7	10%

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

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	<p>1- Bailey &amp; Love's short practice of surgery 27<sup>th</sup> edition R.C.G. Russell, Norman Williams and Christopher J.K. Bulstrode</p> <p>2-Clinical Surgical Skills, Systemic Guide to Clinical Diagnosis 4<sup>th</sup> Edition. Hamad Al Qahtani. Publication 2021</p> <p>3- Symptoms and signs of surgical diseases Norman brow' Norman L. Browse (Author), John Black (Author), Kevin G. Burnand</p> <p>4- Current diagnosis and treatment surgery By: Gerard Doherty 14<sup>th</sup> edition</p> <p>5- Oxford handbook of clinical surgery 4<sup>th</sup> edition by Greg McLatchie, Neil Borley, and Joanna Chikwe</p> <p>6- Clinical surgery A. Cuschieri, P.A. Grace (Alfred Cuschieri , George Hanna) 2<sup>nd</sup> edition</p>
<b>Essential References Materials</b>	<p>1- Saudi digital library <a href="http://www.sdl.edu.sa">www.sdl.edu.sa</a></p> <p>2- <a href="https://www.medscape.com/generalsurgery">https://www.medscape.com/generalsurgery</a></p>
<b>Electronic Materials</b>	You-tube videos clinical examination, specific topic in surgery
<b>Other Learning Materials</b>	<a href="https://onlinemeded.org/spa/surgery-general">https://onlinemeded.org/spa/surgery-general</a>

### 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, hospital for the clinical skills training Accommodating 40 students
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	<p>1. data show mankims in the skills lab and other consumables</p> <p>2. Computrs, labtops, Smartphones.</p> <p>3. Bkckboard System.</p> <p>4. Zoom application.</p>
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Video tapes in the skill lab (CD) of clinical examination

## H. Specification Approval Data

<b>Council / Committee</b>	Department of Surgery
<b>Reference No.</b>	Surgery Meeting No. 15
<b>Date</b>	22/08/1444 – 14/03/2023

Course coordinator

Dr.Hajr H.Al-Wadei



Head of Department

Dr.Ali Alshehri