



## Course Specifications

<b>Course Title:</b>	Surgery-I
<b>Course Code:</b>	592 SRG-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 checked="" type="checkbox"/> Others <input type="checkbox"/> b. Required <input type="checkbox"/> Elective <input checked="" type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> (level 13) Year 5 - Semester-1
<b>4. Pre-requisites for this course (if any):</b> Preclinical courses
<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	0	0
3	E-learning	68	27%
4	Distance learning	0	0
5	Other	180	72%

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

No	Activity	Contact Hours
1	Lecture	22
2	Seminars	46
3	BST/OPD/OR (clinical sessions)	72
4	Skill Lab	36
5	FWV (Field Work Visit)	72
	<b>Total</b>	<b>248</b>

## B. Course Objectives

### 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 L	1(1+0)
2	History and Physical Examination SL	3(0+3)
3	Demonstration of clinical Examination General, Lump ,Ulcer, Abdomen SL	3(0+3)
4	Shock and Metabolic Response to Surgery L	1(1+0)
5	Abdominal Pain SE	2(2+0)
6	Common Benign Anorectal Condition I SE	2(2+0)
7	Blood Products and Transfusion SE	2(2+0)
8	Acute Appendicitis L	1(1+0)
9	Performing Bladder Catheterization (Male and Female) Performing Nasogastric Tube Insertion SL	3(0+3)
11	I.V. Fluids and Acid Base Disorder SE	2(2+0)
12	Peptic ulcer L	1(1+0)
13	Groin Hernia L	1(1+9)
14	Rectal Examination, Performing Enema, Prostate Examination SL	3(0+3)
15	Common Benign Breast Disease L	1(1+0)
16	Abdominal Hernia SE	2(2+0)
17	Cholithiasis And Biliary Colic L	1(1+0)

18	Intestinal Obstruction	1(1+0)
19	Common Benign Esophageal Disease L	1(1+0)
20	Breast Examination SL	3(0+3)
21	Nutrition of the Surgical Patient SE	2(2+0)
22	Hydatid Cyst L	1(1+0)
23	Approach to Breast Mass SE	2(2+0)
24	Observing Intubation Performing Basic Cardiac Life Support SL	3(0+3)
25	Benign Thyroid Disease I L	1(1+0)
26	Obstructive Jaundice SE	2(2+0)
27	Neck examination SL	3(0+3)
28	Examination of Thyroid Gland SL	3(0+3)
29	Pre- Operative Preparation & post-operative complications	1(1+0)
30	Surgical Infections and Antibiotics L	1(1+0)
31	General Anesthesia + Local SE	2(2+0)
32	Performing Peripheral Vascular Examination SL	3(0+3)
33	Cellulitis Abscess + Gas Gangrene SE	2(2+0)
34	Advance Trauma Life Support L	1(1+0)
35	Pancreatitis L	1(1+0)
36	Specific Organ Trauma Management SE	2(2+0)
37	Common Surgical Cyst & Sinuses L	1(1+0)
38	Estimating Glasgow Coma Score Performing primary trauma survey Applying cervical collar Performing handling of unconscious patient SL	3(0+3)
39	Gastrointestinal Bleeding SE	2(2+0)
40	Principles of Minimally Invasive Surgery L	1(1+0)
41	Wounds and Wound Healing SE	2(2+0)
42	Acute Scrotum L	1(1+0)
43	Benign Prostatic Diseases	1(1+0)
44	Basic Surgical Radiology SE	2(2+0)
45	Acute & Chronic Limb Ischemia SE	2(2+0)
46	Burns L	1(1+0)
47	Observing blood transfusion (preparation for blood transfusion) Performing bleeding control by pressure and tourniquet Performing stabilizing and restraining neck and spine SL	3(0+3)
48	Sterilization and Operation Room Set-Up SE	2(2+0)
49	Hematuria L	1(1+0)
50	Assessing plain abdominal radiographs Identifying the areas and techniques of radiographs Assessing chest Radiographs SL	3(0+3)
51	Acute Abdomen in Neonates and Children L	2(2+0)
52	RIF Mass SE	2(2+0)
53	Congenital Neck Swellings SE	2(2+0)
54	Thoracic Empyema L	1(1+0)
55	Performing wound care Performing basic burn care Performing basic suturing Performing appropriate aftercare and appropriately after procedure SL	3(0+3)
56	Anorectal Malformation	1(1+0)

57	Lymphoedema L	1(1+0)
58	Hand Infection L	1(1+0)
59	BST/OPD/OR (clinical sessions)	72(0+3)
60	FWV (Field Work Visit)	72(0+3)
<b>Total</b>		<b>248</b>

## D. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-term exam	4	20%
2	Mid-term OSPE exam	4	10%
3	Log book	1-6	5%
4	Final MCQS	6	15%
5	Final OSPE	6	10%
6	Final OSCE	6	35%
7	Seminar Rubric assessment	1-6	5%

\*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>	Youtube 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.)	1. data show mankins in the skills lab and other consumables 2. Computrs, labtops, Smartphones. 3. Bkboard System. 4. Zoom application.
<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

## F. Specification Approval Data

<b>Council / Committee</b>	Department of Surgery
<b>Reference No.</b>	Surgery Meeting -4
<b>Date</b>	11-10-2022

Course coordinator  
Dr.Mansour Alasmari



Head of Department  
Dr.Ali Alshehri