Course Specification
Student Version

Course Title:	General Surgery I
Course Code:	SUR 510
Department:	Medicine
Program:	Bachelor of Medicine and Surgery
College:	Vision College in Riyadh
Institution:	Vision College in Riyadh
Revised:	July 2025

A. Course Identification

1. Credit hours: 8 (3+0+5)
2. Level/year at which this course is offered: Level 10/Year 5
3. Pre-requisites for this course (if any): MDI 408, BCS 408, COM 408, IMS 408, PHC 408
4. Co-requisites for this course (if any): None

B. Teaching Methods

1	Lecture
2	Tutorial (Case Based Tutorial)
3	Skill lab Sessions and Hospital Clinical Sessions

C. Course Description and Main objective

1. Course Description

This course is designed to provide each student with the knowledge base and clinical skills in General Surgery and the surgical specialties, which are necessary for any physician, regardless of ultimate career choice. This course is designed to develop the student's skills in primary patient care, evaluation, therapy, assessment, and resuscitation of medical and surgical patients. In addition to the lectures and tutorials, their daily schedules include attending the clinical and operating room as well. They should participate in surgical procedures (minor as well as major). The goal of the surgery clerkship is to introduce the student to the principles of caring for the surgical patient. This goal is accomplished by allowing the student to participate in the care of patients in the various stages of evaluation and treatment by surgeons including the out-patient clinic learning is a process that can be accomplished only by active participation by the student

2. Course Main Objective

The aim of the course is to provide the students with advanced knowledge of common surgical diseases and to demonstrate the basic management of emergency surgical condition and elective surgeries.

3. Course Objectives

By the end of this course, students should be able to:

- Explain the pathogenesis of surgical diseases such as genetic, developmental, ischemic, metabolic, toxic, infectious, autoimmune, neoplastic, degenerative, and traumatic factors.
- Describe the basic aspects of common clinical presentations.
- Explain the principles of essential clinical investigations.
- Perform a structured comprehensive history taking, including review, family, past, social, and occupational history
- Perform a full structured physical examination appropriate to orthopedic settings, on patients, mannequin or simulated patient
- Determine the process of ruling out and ruling in each of the differential diagnoses, and how to confirm differential diagnosis of surgical patients.
- Formulate and implement appropriate management plans for patients with emergency problems and life-threatening conditions
- Demonstrate appropriate knowledge and skills in the areas related to surgical patient safety
- Identify and manage clinical risks settings (Surgical emergency)
- Demonstrate positive group dynamics and teamwork skills during OSCE.

D. Course Content

No.	List of Topics	
1	Introduction to the course and exam orientation	1
2	Advanced knowledge of common surgical emergencies and basic management of trauma and shock	20
3	Advanced knowledge of fluid and electrolytes, wound healing and surgical infection, metabolic disturbance, and nutrition for surgical patient	10
4	Advanced knowledge of common surgical diseases and basic management of them of upper gastrointestinal system and bariatrics	12
5	Advanced knowledge of common surgical diseases and basic management of them of hepato-Pancreatic-Biliary.	12
6	Advanced knowledge of common surgical diseases and basic management of them of lower gastrointestinal system	12
7	Advanced knowledge of common surgical emergencies and basic management of them of acute abdomen	14
8	Advanced knowledge of common surgical emergencies and diseases and basic management of them of urology	10
9	Advanced knowledge of common surgical emergencies and diseases and basic management of them of vascular surgery.	10
10	Advanced knowledge of common surgical diseases and basic management of them of breast and endocrine system	15

11	Advanced knowledge of common surgical aspect and basic management of them of plastic surgery	4

E. Assessment tools

#	Assessment task	Percentage of Total Assessment Score
1	Midterm Exam	30%
2	Logbook Evaluation	5%
	Quiz	5%
3	Final Written Exam	30%
4	Objective Structured Clinical Examination (OSCE)	30%
	Total	**100%**

F. Learning Resources

Required Textbooks	• **Schwartz Principle of surgery 11th Edition ISBN 978-1-25-983537-7.** • **Bailey and Love Short Practice of Surgery 26th Edition ISBN-13: 978-1- 4665-8514-0.** • **Sabiston Textbook of Surgery 21st Edition ISBN 978-0-323-64063-3**
Essential Reference Material	**Clinical Orthopedic Examination by McRae, 6th Ed, ISBN: 9780702033933**
Electronic Material	• https://teachmeorthopedics.info/ • https://www.orthopedicsportsdoctor.com/blog/orthopedic-shoulder-exam-tests • https://youtu.be/17ZKya9yR2Y • https://youtu.be/iTfDvFCPZ_w • https://youtu.be/wILfNls75RY • https://teachmeorthopedics.info/examination-of-the-patient-with-a-suspected-spinal-cord-problem/ • https://teachmeorthopedics.info/examination-of-the-patient-with-weakness-or-sensory-loss/ • https://teachmeorthopedics.info/fractures-and-traumatic-dislocations-of-the-hip-in-children/ • https://teachmeorthopedics.info/the-diagnosis-and-management-of-musculoskeletal-trauma/ • https://teachmeorthopedics.info/nonacute-elbow-wrist-and-hand- conditions/