

**ATTACHMENT 2 (e)**

**Course Specifications**

**Kingdom of Saudi Arabia**

**The National Commission for Academic Accreditation & Assessment**

**Course Specifications  
(CS)**

## Course Specifications

Institution Najran University	Date of Report 1438
College/Department <b>College of Medicine</b>	

### A. Course Identification and General Information

1. Course title and code: <b>592- SRG1-7 Surgery I</b>			
2. Credit hours <b>7 (3+4)</b>			
3. Program(s) in which the course is offered. <b>Medicine and Surgery</b>			
4. Name of faculty member responsible for the course <b>Dr. Mohammed Alkhureeb</b>			
5. Level/year at which this course is offered <b>Students in semester 9, 5<sup>th</sup> year</b>			
6. Pre-requisites for this course <b>Courses of 5th to 8th levels</b>			
7. Co-requisites for this course (if any)			
8. Location <b>Najran university hospital, King Khalid Hospital, Najran General Hospital</b>			
9. Mode of Instruction (mark all that apply)			
a. Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="75"/>
b. Blended (traditional and online)	<input type="checkbox"/>	What percentage?	<input type="text"/>
c. e-learning	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="25"/>
d. Correspondence	<input type="checkbox"/>	What percentage?	<input type="text"/>
f. Other	<input type="checkbox"/>	What percentage?	<input type="text"/>
Comments:			

## B Objectives

<p>1. What is the main purpose for this course?</p> <ol style="list-style-type: none"> <li>1) Acquisition of Sound Knowledge of General Principles in Surgery.</li> <li>2) Description of the Symptoms and Signs of Surgical Diseases &amp; Their Radiological Appearances, Laboratory Studies &amp; General Plan of Treatment.</li> <li>3) Development of Problem Solving Approach to Common Surgical Problems and Disorders.</li> <li>4) Explanation of the Pathogenesis of Various Surgical Problems, Diseases, Their Presentations and their initial management.</li> </ol>
<p>2- How to update this course?.</p> <ol style="list-style-type: none"> <li>1) Continuous updating of the information, knowledge and skills included in the course through continuous search for the new knowledge and skills available in recent publications (books, researches, internet and others).</li> <li>2) Verifying the information resources.</li> <li>3) Continuous improvements in teaching methods as well as encouraging the students to participate effectively in the lectures.</li> <li>4) Continuous evaluation of the course content, student level and establish plans accordingly.</li> </ol>

## C. Course Description (Note: General description in the form to be used for the Bulletin or handbook should be attached)

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, 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 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.

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Introduction to the Course	0.019	1(1+0)
History and Physical Examination	0.057	3(0+3)
Demonstration Examination General, Lump ,Ulcer, Abdomen	0.057	3(0+3)
Shock and Metabolic Response to Surgery	0.019	1(1+0)
Abdominal Pain	0.038	2(0+2)
Common Benign Anorectal Condition I	0.019	1(1+0)
Blood Products and Transfusion	0.038	2(0+2)
Acute Appendicitis	0.019	1(1+0)
Performing Bladder Catheterization (Male and Female)	0.057	3(0+3)
Performing Nasogastric Tube Insertion	0.057	3(0+3)
I.V. Fluids and Acid Base Disorder	0.038	2(0+2)
Peptic ulcer	0.019	1(1+0)
Common Benign Anorectal Condition II	0.038	2(0+2)

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Groin Hernia	0.019	1(1+0)
Rectal Examination Performing Enema Prostate Examination	0.057	3(0+3)
Common Benign Breast Disease	0.038	2(0+2)
Abdominal Hernia	0.038	2(0+2)
Cholithiasis And Biliary Colic	0.019	1(1+0)
Small Intestinal Obstruction	0.038	2(0+2)
Common Benign Esophageal Disease	0.019	1(1+0)
Breast Examination	0.057	3(0+3)
Nutrition of the Surgical Patient	0.038	2(0+2)
Hydatid Cyst	0.019	1(1+0)
Approach to Breast Mass	0.038	2(0+2)

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Trauma Management	0.019	1(1+0)
Observing Intubation Performing Basic Cardiac Life Support	0.057	3(0+3)
Benign Thyroid Disease I	0.019	1(1+0)
Large Bowel Obstruction	0.038	2(0+2)
Obstructive Jaundice	0.019	1(1+0)
Neck examination	0.057	3(0+3)
Examination of Thyroid Gland	0.057	3(0+3)
Benign Thyroid Disease II	0.038	2(0+2)
Pre-post Operation Preparation	0.019	1(1+0)
Surgical Infections and Antibiotics	0.038	2(0+2)
General Anesthesia + Local	0.019	1(1+0)
Performing Peripheral Vascular Examination	0.057	3(0+3)

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Cellulitis Abscess + Gas Gangrene	0.019	1(1+0)
Advance Trauma Life Support	0.019	1(1+0)
General Complications of Surgery	0.038	2(0+2)
Pancreatitis	0.019	1(1+0)
Specific Organ Trauma Management	0.038	2(0+2)
Common Surgical Cyst & Sinuses	0.019	1(1+0)
Estimating Glasgow Coma Score Performing primary trauma survey Applying cervical collar Performing handling of unconscious patient	0.057	3(0+3)
Gastrointestinal Bleeding	0.038	2(0+2)
Principles of Minimally Invasive Surgery	0.019	1(1+0)
Wounds and Wound Healing	0.038	2(0+2)

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Acute Scrotum	0.019	1(1+0)
Benign Prostatic Diseases	0.038	2(0+2)
Basic Surgical Radiology	0.019	1(1+0)
Acute & Chronic Limb Ischemia	0.038	2(0+2)
Principles of Bariatric Surgery	0.019	1(1+0)
Bowel Ischemia	0.038	2(0+2)
Burn	0.019	1(1+0)
Observing blood transfusion (preparation for blood transfusion) Performing bleeding control by pressure and tourniquet Performing stabilizing and restraining neck and spine	0.057	3(0+3)
Sterilization and Operation Room Set-Up	0.038	2(0+2)
Head Injury and Increased Intracranial Pressure 2	0.019	1(1+0)
Hematuria	0.038	2(0+2)



1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Varicose Veins	0.019	1(1+0)
Assessing plain abdominal radiographs Identifying the areas and techniques of radiographs Assessing chest radiographs	0.057	3(0+3)
Acute Abdomen in Neonates and Children	0.019	1(1+0)
RIF Mass	0.038	2(0+2)
Esophageal Atresia	0.019	1(1+0)
Congenital Neck Swellings	0.038	2(0+2)
Thoracic Empyema	0.019	1(1+0)
Performing wound care Performing basic burn care Performing basic suturing Performing appropriate aftercare and appropriately after procedure	0.057	3(0+3)
Anorectal Malformation	0.038	2(0+2)
Lymphoedema	0.019	1(1+0)
Hand Infection	0.038	2(0+2)

	Lecture	Tutorial	Laboratory SL	Practical	Total
Contact Hours	54	24(48)	12(36)	Clinical Training BST+ER 24(72)+12(48)	258
Credit	3	1.3	0.7	2.0	7hrs(3+4)

3. Additional private study/learning hours expected for students per week.

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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

Course Learning Outcomes, Assessment Methods, and Teaching Strategy work together and are aligned. They are joined together as one, coherent, unity that collectively articulate a consistent agreement between student learning, assessment, and teaching.

The *National Qualification Framework* provides five learning domains. Course learning outcomes are required. Normally a course has should not exceed eight learning outcomes which align with one or more of the five learning domains. Some courses have one or more program learning outcomes integrated into the course learning outcomes to demonstrate program learning outcome alignment. The program learning outcome matrix map identifies which program learning outcomes are incorporated into specific courses.

On the table below are the five NQF Learning Domains, numbered in the left column.

**First**, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table). **Second**, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes. **Third**, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. **Fourth**, if any program learning outcomes are included in the course learning outcomes, place the @ symbol next to it.

Every course is not required to include learning outcomes from each domain.

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
<b>1.0</b>	<b>Knowledge</b>		
1.1	Describe the common presenting symptoms of surgical diseases	1) Interactive lectures/seminars. 2) Tutorials 3) BST 4- ER,OR 5- SDL	MCQS, Clinical exam, OSCE
1.2	List the differential diagnosis in different surgical diseases presentations e.g. abdominal pain, Abdominal mass.	1-Interactive lectures/seminars. 2-Tutorials 3- BST 4- ER,OR	MCQS, Clinical exam, OSCE
<b>2.0</b>	<b>Cognitive Skills</b>		
2.1	Discuss and analyze the patient, history and physical examination to formulate a diagnosis or a differential diagnosis.	1) Interactive lectures/seminars. 2) Tutorials 3) BST 4- ER,OR	MCQS, Clinical exam, OSCE
2.2	Discuss the fundamentals steps in management of surgical diseases in emergency and elective setting in different specialties.	1) Interactive lectures/seminars. 2) Tutorials 3) BST 4- ER,OR	MCQS, Clinical exam, OSCE

<b>3.0</b>	<b>Interpersonal Skills &amp; Responsibility</b>		
3.1	Establish a good relationship with patients through appropriate communication skills.	1- Interactive lectures/seminars 2- Tutorials 3- BST 4- 4- ER,OR	Clinical exam, OSCE
3.2	Develop appropriate professional knowledge, skills and attitude pertaining to the management of health problems encountered by the surgeon in daily practice.		
<b>4.0</b>	<b>Communication, Information Technology, Numerical</b>		
4.1	Utilize efficiently the different knowledge resources including the library resources and websites.	Seminars and presentations Digital library and internet search( teaching videos	
<b>5.0</b>	<b>Psychomotor</b>		
5.1	Carry out an appropriate general physical examination and specific presentation of surgical disease eg an ulcer or lump, and conduct proper management for surgical emergencies in the outpatient department.	1) BST 2) Skill Lab sessions 3- Clinical Attachment	Clinical Exams, OSCE

5. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Mid-term exam	4	30%
2	Log book	7	2.5%
3	Final MCQS	7	25%
4	Final OSCE	7	40%
5	Seminars	1-7	2.5%

#### **D. Student Academic Counseling and Support**

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

- 1) Allocation of office hours by the departments
- 2) Academic supervision
- 3- Academic surveillance.  
Available contact e-mail mobile phone

#### **E. Learning Resources**

1. List Required Textbooks

**1- Bailey & Love's short practice of surgery 26<sup>th</sup> edition**

**R.C.G. Russell, Norman Williams and Christopher J.K. Bulstrode**

**2- Symptoms and signs of surgical diseases Norman brow's**

Norman L. Browse (Author), John Black (Author), Kevin G. Burnand

**3- Current diagnosis and treatment surgery By: Gerard Doherty 14<sup>th</sup> edition**

**4- Oxford handbook of clinical surgery 4<sup>th</sup> edition by Greg McLatchie, Neil Borley, and Joanna Chikwe**

**5- Clinical surgery A. Cuschieri, P.A. Grace (Alfred Cuschieri , George Hanna) 2<sup>nd</sup> edition**

**6- Saudi digital library [www.sdl.edu.sa](http://www.sdl.edu.sa)**

2. List Essential References Materials (Journals, Reports, etc.)

<p><b>1- Medscape</b></p> <p><b>2- Saudi Medical journal</b></p>
<p>3. List Recommended Textbooks and Reference Material (Journals, Reports, etc)</p> <p><b>1- Bailey &amp; Love's short practice of surgery 26<sup>th</sup> edition</b></p> <p><b>R.C.G. Russell, Norman Williams and Christopher J.K. Bulstrode</b></p> <p><b>7- Symptoms and signs of surgical diseases Norman brow's</b></p> <p>Norman L. Browse (Author), John Black (Author), Kevin G. Burnand</p> <p><b>8- Current diagnosis and treatment surgery By: Gerard Doherty 14<sup>th</sup> edition</b></p> <p><b>9- Oxford handbook of clinical surgery 4<sup>th</sup> edition by Greg McLatchie, Neil Borley, and Joanna Chikwe</b></p> <p><b>10- Clinical surgery A. Cuschieri, P.A. Grace (Alfred Cuschieri , George Hanna) 2<sup>nd</sup> edition</b></p>
<p>4. List Electronic Materials (eg. Web Sites, Social Media, Blackboard, etc.)</p> <p>Teaching videos demonstrations of different physical examinations</p>
<p>5. Other learning material such as computer-based programs/CD, professional standards or regulations and software.</p> <p>Videos of clinical examination demonstration</p>

#### **F. Facilities Required**

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)
1. Accommodation (Classrooms, hospital for the clinical skills training.)

2. Computing resources (AV, data show, Smart Board, software, etc.)
data show
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)
Video tapes in the skill lab (CD) of clinical examination

### **G Course Evaluation and Improvement Processes**

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching
Questionnaire at the end of the block , direct discussion
2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor
Take the opinion of other teachers on the students standard and the level of knowledge which they gain
3 Processes for Improvement of Teaching
4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution)



5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.

Reviewing the feedback from the students and the staff members about the course.  
Having feedback from the hospitals in which the graduate student works in in their houseman ship.

**Faculty or Teaching Staff:**

**Dr. Mohammed Alkhureeb**

**Signature:** \_\_\_\_\_ **Date Report Completed:** 20 /1/1438

**Received by:** \_\_\_\_\_ **Dean/Department Head**

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_