

وزارة التعليم العالي والبحث العلمي
كلية الطب / جامعة القادسية

استمارة وصف البرنامج الأكاديمي / كلية الطب - جامعة القادسية

الجامعة : القادسية

الكلية : الطب

الفرع العلمي : الجراحة

تاريخ ملء الملف : 1/10/2022

التوقيع :

التوقيع :

اسم رئيس الفرع : ا.د. عادل شاكر التميمي اسم المعاون العلمي : ا.م.د. علي عبد الحسين هندوز

التاريخ :

التاريخ :

مصادقة السيد العميد

	Course title	General surgery
2.	Course number	1 , 2
3.	Course hours	30
4.	Credit Units in course	40 midcourse and 60 final course
5.	Prerequisites	Graduated from second stage
6.	Program title	Doctor of medicine
7.	Program code	1
8.	Awarding institution	The University of Al-Qadisiyah
9.	Faculty	Medicine
10.	Department	Surgery
11.	Level of course	Bachelor
12.	Year of study	First and Second courses for the 3rd stage
13.	Language of Instruction	English
14.	Date of production/revision	October – 2022
15.	Courses Coordinator	Ass. Prof. dr . Ali J. Al-Shammari
16.	Corse description	The course teach the student the basics of the general surgery by which the student can know the causes and pathophysiology and headlines of management of the commonest surgical diseases which are essential to know in his future medical career , also can know the basics of surgical work and its requirement .
17.	Practical Skills	Not included .
18.	Teaching and Learning methods	<ul style="list-style-type: none"> - lectures - Upload lecture on the college website - Educational movies - Use data show

		<ul style="list-style-type: none"> -Small group discussion with case study and problem based learning . - Attending the lectures and participating in the discussion groups.
19.	Assessment methods	<ul style="list-style-type: none"> - Written Examination - Small group discussion - reports - activities
20.	Infrastructure	<ul style="list-style-type: none"> - Baiely text book of surgery -Schwartz text book of surgery

❖ Course topics and description :-

Item	Lecture 1
Subject	Introduction / basic surgical principles
Learning objectives	To understand : <ul style="list-style-type: none"> • Surgery definition • Surgery history • Surgery pioneers • Surgery types • Surgery strategy
Content	<ul style="list-style-type: none"> • Definition of surgery and purpose of surgery . • History and origin of surgery • Surgical pioneers and innovators • Types of surgeries and surgical work • Surgical strategy in treating patients
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 2
Subject	Wound / tissue repair / scar
Learning objectives	To understand : <ul style="list-style-type: none"> • Normal healing and how it can be adversely affected • How to manage wounds of different types, of different structures and at different sites • Aspects of disordered healing that lead to chronic wounds • The variety of scars and their treatment
content	<ul style="list-style-type: none"> • normal and abnormal wound healing • types of wounds – tidy versus untidy • managing the acute wound •
Time	1 hour
Lecturer	Dr. Ahmed Meri
Item	Lecture 3
Subject	Continue for Wound / tissue repair / scar
Learning objectives	To understand : <ul style="list-style-type: none"> • Normal healing and how it can be adversely affected • How to manage wounds of different types, of different structures and at different sites • Aspects of disordered healing that lead to chronic wounds • The variety of scars and their treatment

content	<ul style="list-style-type: none"> • some specific wounds • chronic wounds • scars types , factors , avoidance
Time	1 hour
Lecturer	Dr. Ahmed Meri
Item	Lecture 4
Subject	Burn
Learning objectives	<p>To understand :</p> <ul style="list-style-type: none"> • The area and depth of burns • To understand: • Methods for calculating the rate and quantity of fluids to be given • Techniques for treating burns and the patient • The pathophysiology of electrical and chemical burns
content	<ul style="list-style-type: none"> • definition • the pathophysiology of burn injury • immediate care of the burn patient • assessment of the burn wound • fluid resuscitation
Time	1 hour
Lecturer	Dr. Ahmed Meri
Item	Lecture 5
Subject	Continue for Burn
Learning objectives	<p>To understand :</p> <ul style="list-style-type: none"> • The area and depth of burns • To understand: • Methods for calculating the rate and quantity of fluids to be given • Techniques for treating burns and the patient • The pathophysiology of electrical and chemical burns
content	<ul style="list-style-type: none"> • treating the burn wound • surgery for the acute burn wound
Time	1 hour
Lecturer	Dr. Ahmed Meri
Item	Lecture 6
Subject	Surgical infection
Learning objectives	<p>To understand :</p> <ul style="list-style-type: none"> •The factors that determine whether a wound will become infected •The classification of sources of infection and their severity •The indications for and choice of prophylactic

	antibiotics <ul style="list-style-type: none"> •The characteristics of the common surgical pathogens and their sensitivities •The spectrum of commonly used antibiotics in surgery and the principles of therapy •The causes of reduced resistance to infection
content	<ul style="list-style-type: none"> • factors inhibit the micro-organisms from causing infection • factors predisposing to wound infection • Sources of infection • Classification of Surgical wounds • Classification of Surgical wounds (types) • Prevention • Management • Prophylactic antibiotics
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 7
Subject	Continue for Surgical infection
Learning objectives	To understand : <ul style="list-style-type: none"> •The factors that determine whether a wound will become infected •The classification of sources of infection and their severity •The indications for and choice of prophylactic antibiotics •The characteristics of the common surgical pathogens and their sensitivities •The spectrum of commonly used antibiotics in surgery and the principles of therapy •The causes of reduced resistance to infection
content	<ul style="list-style-type: none"> • Specific (SSI) wound infections • Synergistic spreading gangrene
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 8
Subject	Acquired Immunodeficiency Syndrome
Learning objectives	<ul style="list-style-type: none"> • knowledge about the HIV virus and how it is spread and not spread. • competence to diagnose and manage persons with HIV infection and HIV-related disease. • knowledge of the extent of HIV/AIDS problem –at global and city levels –and its impact on health. • knowledge about psycho-social and behavioural aspects. communication skills and the ability to counsel persons

	<p>with HIV/AIDS as well as their families to understand the STI and HIV relationship and to manage STI using the syndromic approach.</p> <ul style="list-style-type: none"> • the ability to plan and execute appropriate preventive measures against HIV infection in the hospital, workplace and community. • An understanding of the importance of team approach and intersectoral cooperation for optimal utilization of resources. • compassion for individuals living with HIV/AIDS. • an awareness of medical ethics; human rights issues, and costs of medical care.
content	<ul style="list-style-type: none"> • Definition • Clinical classification • Mode of Transmission • Pathogenesis • General clinical Features in HIV • Investigation for HIV • Tumours in HIV Infection • Treatment
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 9
Subject	Metabolic response to injury
Learning objectives	<p>To understand:</p> <ul style="list-style-type: none"> • Classical concepts of homeostasis • Mediators of the metabolic response to injury • Physiological and biochemical changes that occur during injury and recovery • Changes in body composition that accompany surgical injury • Avoidable factors that compound the metabolic response to injury • Concepts behind optimal perioperative care
content	<ul style="list-style-type: none"> • factors responsible for systemic responses • mechanism of metabolic response to trauma • changes in body composition following injury • concepts behind optimal perioperative care
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 10
Subject	Shock
Learning objectives	<p>To understand:</p> <ul style="list-style-type: none"> • The pathophysiology of shock and ischaemia–reperfusion injury • The different patterns of shock and the principles

	<p>and priorities of resuscitation</p> <ul style="list-style-type: none"> • Appropriate monitoring and end points of resuscitation
content	<ul style="list-style-type: none"> • Pathophysiology • Classification of shock • CLINICAL FEATURES OF SHOCK • Severity (degrees) of shock • INVESTIGATIONS IN SHOCK • TREATMENT OF SHOCK • Septic shock • Complication of poor shock management • Dynamic assessment of shock • Pitfalls or absence of classic signs in shock
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 11
Subject	Hemorrhage and blood transfusion
Learning objectives	<ul style="list-style-type: none"> • Demonstrate competency in investigating, evaluating, and interpreting bleeding cases. • selecting appropriate blood products for transfusion and work-ups of positive antibody screens and panels and transfusion reactions. • Demonstrate professional behavior regarding patients, other physicians and all clinical laboratory personnel. • Understand the scientific basis and pathophysiology of Blood Banking, which includes an understanding of immunohematology.
content	<ul style="list-style-type: none"> • Definition • Classification • Pathophysiology • Measurement of blood loss • Clinical features • Management of bleeding •
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 12
Subject	Continue lecture Hemorrhage and blood transfusion
Learning objectives	<ul style="list-style-type: none"> • Demonstrate competency in investigating, evaluating, and interpreting bleeding cases. • selecting appropriate blood products for transfusion and work-ups of positive antibody screens and panels and transfusion reactions. • Demonstrate professional behavior regarding patients, other physicians and all clinical laboratory personnel. • Understand the scientific basis and pathophysiology of Blood Banking, which includes an understanding of immunohematology.

content	<ul style="list-style-type: none"> • Blood and blood products • Indications for blood transfusion • Transfusion reactions • Complications of blood transfusion • Blood substitutes
Time	1 hour
Lecturer	Dr. Ali J. Al-Shammari
Item	Lecture 13
Subject	Sterile precaution
Learning objectives	<ul style="list-style-type: none"> • Describe the principles and practice of asepsis • Understand hand hygiene • Know what is dirty and clean surgical instruments. • Know what is sterile •
content	<ul style="list-style-type: none"> • definitions • Decontamination • Manual cleaning • Disinfection • Sterilization • Theater protocol • Oreoperative preparations
Time	1 hour
Lecturer	Dr . Husain al-Baaj
Item	Lecture 14
Subject	Fluid and electrolyte
Learning objectives	<ul style="list-style-type: none"> • Describe variables that influence fluid and electrolyte balance • Identify factors related to fluid/electrolyte balance • Assess a patient's nutritional and fluid/electrolyte status • Outline specific nursing interventions to promote fluid and electrolyte balance • Base decisions on the signs and symptoms of fluid volume excess and fluid volume deficit • Base decisions on the interpretation of diagnostic tests and lab values indicative of a disturbance in fluid and electrolyte balance
content	<ul style="list-style-type: none"> • normal physiology • normal water balance • abnormal water balance • fluid therapy • types of fluid • fluid calculation • monitoring fluid therapy
Time	1 hour
Lecturer	Dr. Ali J Al-Shammari

Item	Lecture 15
Subject	Continue of lecture Fluid and electrolyte
Learning objectives	<ul style="list-style-type: none"> • Describe variables that influence fluid and electrolyte balance • Identify factors related to fluid/electrolyte balance • Assess a patient's nutritional and fluid/electrolyte status • Outline specific nursing interventions to promote fluid and electrolyte balance • Base decisions on the signs and symptoms of fluid volume excess and fluid volume deficit
content	<ul style="list-style-type: none"> • normal electrolyte balance • sodium balance • potassium balance • calcium balance • magnesium balance
Time	1 hour
Lecturer	Dr. Ali J Al-Shammari
Item	Lecture 16
Subject	Oncology principles
Learning objectives	<p>To understand:</p> <ul style="list-style-type: none"> • The biological nature of cancer • The principles of cancer prevention and early detection • The principles of cancer etiology and the major known causative factors • The likely shape of future developments in cancer management • The multidisciplinary management
content	<ul style="list-style-type: none"> • Definition of neoplasm • Markers of neoplasm • Genomic stability • Malignant transformation • The growth of tumor • Principle of cancer surgery • Investigation and staging • Management • Prevention •
Time	1 hour
Lecturer	Dr. Husain Al-Baaj
Item	Lecture 17
Subject	Arterial disorders
Learning objectives	<p>To understand:</p> <ul style="list-style-type: none"> • The nature and associated features of occlusive arterial disease • The investigation and treatment options for occlusive arterial disease • The principles of management of the severely

	<p>ischaemic limb</p> <ul style="list-style-type: none"> •The nature and presentation of aneurysmal disease, particularly of the abdominal aorta •The investigation and treatment options for aneurysmal disease •The arteritides and vasospastic disorders
content	<ul style="list-style-type: none"> • arterial stenosis and occlusion • gangrene • acute arterial occlusion • compartment syndrome • aneurysm
Time	1 hour
Lecturer	Dr. Adel shaker Al-Tamimi
Item	Lecture 18
Subject	Venous disorders
Learning objectives	<p>To understand:</p> <ul style="list-style-type: none"> •Venous anatomy and the physiology of venous return •The pathophysiology of venous disease •The clinical significance and management of varicose veins •Deep venous thrombosis •Venous insufficiency and venous ulceration
content	<ul style="list-style-type: none"> • venous pathophysiology • varicose veins • venous thrombosis
Time	1 hour
Lecturer	Dr. Adel shaker Al-Tamimi
Item	Lecture 19
Subject	Lymphatic disorders
Learning objectives	<p>To understand:</p> <ul style="list-style-type: none"> •The main functions of the lymphatic system •The development of the lymphatic system •The various causes of limb swelling •The aetiology, clinical features, investigations and treatment of lymphedema
content	<ul style="list-style-type: none"> • lymphatic pathophysiology • acute inflammation of the lymphatics • lymphedema
Time	1 hour
Lecturer	Dr. Adel shaker Al-Tamimi
	Lecture 20

Item	
Subject	Surgical ethics and law
Learning objectives	<p>To understand:</p> <ul style="list-style-type: none"> • The importance of autonomy in good surgical practice • The moral and legal boundaries and practical difficulties of informed consent • Good practice in making decisions about the withdrawal of life-sustaining treatment • The importance and boundaries of confidentiality in surgical practice • The importance of appropriate regulation in surgical research • The importance of rigorous training and maintenance of good practice standards
content	<ul style="list-style-type: none"> • respect for autonomy • informed consent • practical application • matters of life and death • confidentiality
Time	1 hour
Lecturer	Dr . Rami sabah
Item	Lecture 21
Subject	Patient safety
Learning objectives	<p>To learn:</p> <ul style="list-style-type: none"> • The importance of patient safety and the scale of the problem • Medical errors, their range and definition • Models for understanding how adverse events and near misses occur • Patient safety strategies and solutions • Applying the science of patient safety to practice • Patient safety principles that are specific to the surgeon • Dealing with the 'second victim' of a medical error
content	<ul style="list-style-type: none"> • the prevalence of adverse healthcare events • common causes of adverse healthcare events • understanding patient safety incidents • strategies for patient safety • patient safety at the coalface • patient safety and the surgeon • caring for the second victim
Time	1 hour
	Dr . Rami sabah

Lecturer	

Chief of department
Prof. Dr. Adel Shaker Al-Tamimi

The end