

Course name					
Anesthesia equipment techniques					
Course code					
Semester/Year					
year					
Date this description was prepared					
15-2-2024					
-:Available forms of attendance					
(Number of study hours (total)/number of units (total)					
4\6					
(Name of the course administrator (if more than one name is mentioned					
Agha-Dr. Moataz Al :Name +Asst . Lecturer .Tahseen Abdul Rahman Habib . Email:- tahseen.habeeb@alzahraa.edu.iq					
objectives Course					
Objectives of the study subject		The student should be able to know the medical devices used for anesthesia, the tools them correctly and how to operate them and use used			
Teaching and learning strategies					
The strategy		Use a smart board Use the equipment available in the operating room			
Course structure					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily , Oral exam, exam	Oral exam ,Daily exams	Operating room design and functioning	Learn about the details and design of operating theaters and their specifications	6	1 st
Daily , Oral exam, exam	Oral exam ,Daily exams	Cannula and giving set and device for intravenous infusion	Identifying the types of canola and feeding devices and how to best use them, as well as their types	6	2 nd 3 rd
Daily , Oral exam, exam	Oral exam ,Daily exams	Infusion equipment: patient control analgesia, filtration, aut transfusion	Get to know these fluid payment or calculation devices, as well as syringe devices and their electrical and mechanical features	6	4 rd
Daily , Oral exam, exam	Oral exam ,Daily exams	Physical principles behavior of molecules of solid and liquid, heat and Temperature Physical principles properties of gases, temperature, and flow of fluid through tubes and orifice	Identify the way fluids behave and their types, learn about the laws and principles related to fluids, and know the properties of gases	6	5 th 6 th
Daily , Oral exam, exam	Oral exam ,Daily exams	heat, temperature and humidity	Learn about the types and characteristics of temperature gauges, methods of heat transfer and heat loss, as well as learning about humidification methods and nebulizer devices.	6	7 th 8 th

Daily , Oral exam, exam	Oral exam ,Daily exams	<p>The supply of anaesthetic gases, cylinders, oxygen concentrator Medical gas services, bulk storage, and supply of gases, piped medical vacuum, electrical supply</p> <p>Distribution of pipework, terminal outlet</p> <p>Flexible pipeline, test and check for medical gas pipeline</p>	Measuring gas pressures, gases and their types, measuring gas volumes and types of flow level meters, supplying medical gases, details of cylinders and their types, methods of storing them, and how to deal with them.	6	9 th 10 th 11 th
Daily , Oral exam, exam	Oral exam ,Daily exams	Vaporizer: law of vaporization, vaporizing system, type of vaporizer Factor affecting vaporizer performance, calibration of vaporizer, fillin of vaporizer	How to make a vaporizer and its old and modern types, identifying its internal parts, ways to fill the vaporizer, how to deal with it, and identifying the risks.	6	12 th 13 th 14 th
Daily , Oral exam, exam	Oral exam ,Daily exams	Endotracheal tube (ordinary tube) laryngoscope, airway (oropharyngeal and nasopharyngeal), tracheostomy, facemask	Types of endotracheal tubes, the method of intubation, their parts, the benefits, reasons for using and disadvantages of each type, and identifying the special types.	6	15 th 16 th 17 th
Daily , Oral exam, exam	Oral exam ,Daily exams	Breathing system and their component, definition, classification, working principle	Components of the respiratory system, its mechanism of action and its parts, the breathing system without CO ₂ absorption, an explanation and clarification of Mapelson types, the breathing circuit with CO ₂ absorption, sodiumlime and methods of correct use.	6	18 th 19 th 20 th
Course evaluation					
every one or two lectures Conducting periodic exams for students for surprise questions while explaining the lecture and recording this in the students' evaluation record Conducting Conducting daily, semester and final exams					
Learning and teaching resources					
(any Required textbooks (methodology, if					
(Main references (sources		Anesthesia equipment, principle and application, Jan -1 Ehrenwerth, MD, 3rd edition			
and references Recommended supporting books (...scientific journals, reports)		2-The MGH Textbook of Anesthetic Equipment, Warren S. Sandb MD, PhD 2nd edition			
Electronic references, Internet sites		Relevant scientific journals			
		All educational sites			

Course description form

Course name	
Foundations of surgery	
Course code	
Semester/Year	
year	
Date this description was prepared	
2024-2-22	
Available forms of attendance	
My presence	
(Number of study hours (total)/number of units (total)	
3\5	
(Name of the course administrator (if more than one name is mentioned	
Name lecture . Karar Ibrahim Mahmoud ..Dr + Lecturer.Abdul Hussein Ali Jabbar . Email:- Karar.ibrahim@uobabylon.edu.iq	
objectives Course	
Objectives of the study subject	Teaching the student the basic principles of surgery, including the applications of the changes and complications that occur physiology and pathology in interpreting .in the human body as a result of injuries or surgical operations
Teaching and learning strategies	
The strategy	Use smart board Use the equipment available in the operating room
Course structure	

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
General questions and discussion	Theoretical + practical	Metabolic response to trauma	Metabolic response to injury	5	1
General questions, discussion and daily exam	Theoretical + practical	Inflammation acute and chronic	Acute and chronic infections	5	2
General questions and discussion	Theoretical + practical	Shock types and pathophysiology	Trauma, its types and pathology	5	3
General questions, discussion and daily exam	Theoretical + practical	Wound tissue repair and scars	their ,Wounds healing and scarring	5	4
General questions and discussion	Theoretical + practical	Surgical infections	Surgical infections	5	5
General questions, discussion and daily exam	Theoretical + practical	Patient safety	Patient safety	5	6
General questions and discussion	Theoretical + practical	Preoperative care and care in operations	Care before and during surgery	5	7
General questions, discussion and daily exam	Theoretical + practical	Head injury, management of unconscious patient	Head injuries and their treatment	5	8
General questions and discussion	Theoretical + practical	Abscess, cellulitis, carbuncles	Abscesses and skin infections	5	9
General questions, discussion and daily exam	Theoretical + practical	Gangrene types and causes	Gangarena, its types and causes	5	10
General questions and discussion	Theoretical + practical	Fluid therapy	Fluid therapy	5	11

General questions and discussion	Theoretical + practical	Nutritional support in surgery	Nutrition in surgical cases	5	12
General questions, discussion and daily exam	Theoretical + practical	Acid-base balance	base -Acid balance	5	13
General questions and discussion	+ Theoretical practical	Spinal and peripheral nerves injuries	Spinal column injuries	5	14
General questions, discussion and daily exam	Theoretical + practical	Principles of laparoscopic surgeries	Principles of laparoscopic surgery	5	15
16					
General questions and discussion	Theoretical + practical	Principles of pediatric surgery	Principles of pediatric surgery	5	17
General questions, discussion and daily exam	Theoretical + practical	Warfare injuries	War injuries	5	18
General questions discussion and	Theoretical + practical	Day-case surgery	Minor day surgeries	5	19
General questions, discussion and daily exam	Theoretical + practical	Reaction of body to injury	The body's reaction to injuries	5	20
General questions and discussion	Theoretical + practical	Bone infections	Bone infections	5	21
General questions, discussion and daily exam	Theoretical + practical	Ulcers, sinuses and fistulas	Ulcers and fistulas	5	22
General questions and discussion	+ Theoretical practical	Types of surgical diseases (hereditary, congenital and acquired)	Types of surgical diseases hereditary,) congenital and (acquired	5	23
General questions, discussion and daily exam	Theoretical + practical	Sterile precaution and AIDS	Sterilization and AIDS	5	24
General questions discussion and	Theoretical + practical	Calcium metabolism	Calcium metabolism	5	25
General questions and discussion	Theoretical + practical	Coagulopathy and blood dyscrasias	Coagulopathies and blood diseases	5	26
General questions, discussion and daily exam	Theoretical + practical	Specific infections	Special infections	5	27
General questions and discussion	Theoretical + practical	Types of bacteria	Types of bacteria	5	28
General questions, discussion and daily exam	Theoretical + practical	Venous diseases, thrombophlebitis	Vein diseases	5	29
General questions and discussion	+ Theoretical practical	Oncology	Oncology	5	30
General questions, discussion and daily exam	Theoretical + practical	Abortion, CS, hysterectomy	Abortion and caesarean sections	5	31

Course evaluation	
Participation in the recording this in the students' evaluation record Surprising questions while explaining the lecture and monthly examinations and Submitting reports lecture hall	
Learning and teaching resources	
(any Required textbooks (methodology, if	Short practice of surgery, Sabiston's text book of surgery
(Main references (sources	Fiona basic surgical technique, COURTNEY text book of surgery
Recommended supporting books and references (scientific (...journals, reports	Any source related to basic surgical principles from the Internet or modern books
Electronic references, Internet sites	Uptodate, medicine net, pubmed, global surgery research

Course description form

Foundations of anesthesia :Course name					
Course Code					
Semester/Year					
year					
Date this description was prepared					
22-2-2024					
In person -Available forms of attendance:					
(Number of study hours (total)/number of units (total)					
4/6					
(Name of the course administrator (if more than one name is mentioned					
Name :- Lecturer . Dr. Hoda Fadel Hassan +Asst . Lecturer. Hussein Jawad Kazem +Asst . Lecturer.Israa Abdel Ali email: hudafad90@gmail.com					
objectives Course					
Objectives of the study subject		<ul style="list-style-type: none"> a) Know the basic information about anesthesiology b) The ability to evaluate the patient's condition before the radiological and laboratory operation and conduct the necessary tests for the medical condition c) Knowledge of anesthetic drugs and medications used in the different stages of anesthesia d) Knowledge of the stages of anesthesia and the procedures required for each stage e) xpected and sudden complications that The ability to deal with e may occur during or after the operation f) Studying the medical devices needed in the different stages of anesthesia g) Knowledge of the different types of anesthesia for patients and pe according to needthe ability to choose the appropriate ty 			
Teaching and learning strategies					
The strategy		Interim formative tests formative assessment At the end of the week to get immediate feedback to measure the student's progress in learning place at the middle of the semester The midterm exam takes test-The final or post Summative assessment at the end of the study unit Practical test			
Course structure					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Oral + written evaluation	Theoretical lectures	History of anesthesia	Knowledge of the history of anesthesia and the scope of use of anesthesia	6	1 st
Oral + written evaluation	Theoretical lectures interactive	Choice of anesthesia techniques	Know how to choose an anesthesia technique	6	2 nd
Oral + written evaluation	Theoretical +lectures Interactive	Visit the patient before the operation	Things to focus on during the operative visit-patient's pre	6	4 rd
Written and oral evaluation	Theoretical + interactive lectures	anesthetic -Pre medications	medications that Knowing the should be given before starting anesthesia	6	5 th

Written and oral evaluation	Theoretical + interactive lectures	General pharmacology	Knowledge of general pharmacology with precise details about how drugs interact with the body	6	6 th
Written and oral evaluation	Theoretical lectures + interactive	Anesthesia by gases	Know detailed information about the gases used in anesthesia and how to administer them	6	7 th -8 th
Written and oral evaluation	Theoretical lectures + interactive	Intravenous anesthetic drugs	Find out detailed information about how anesthesia is used using narcotic drugs and its complications	6	9 th
Written and oral evaluation	Theoretical lectures + interactive	Muscle relaxants	Know the precise details muscle relaxants, how about to give them, and their complications	6	10 th
Course evaluation					
Conducting periodic exams for students for every one or two lectures explaining the lecture and recording this in the students' evaluation record Surprising questions while Conducting daily, semester and final exams					
Learning and teaching resources					
(Required textbooks (methodology, if any			fundamentals of anesthesia textbook		
(Main references (sources			Morgan textbook of anesthesia clinical anesthesia Barash textbook of anesthesia clinical anesthesia		
Recommended supporting books and references (scientific (...journals, reports			Millers textbook of anesthesia		
references, Internet sites Electronic			All educational sites		

Course description form

Course Name	
Applied physiology	
Course Code	
Semester/year	
year	
Date this description was prepared	
2024-2-23	
Available forms of attendance	
(total)/number of units (total) Number of study hours	
4\6	
(Name of the course administrator (if more than one name is mentioned	
Name : Lecturer. + Din Mohsen-Dr.. Anfal Dia al .lecture. Dr. Qais Amer . Email anfal_abualhub@yahoo.com qaisaloqaily@yahoo.com	
objectives Course	
Objectives of the study subject	Make the student able to understand and memorize medical terminology and scientific and .language linguistic concepts to be conversant in his field of specialization in the English The student learns some important linguistic rules in the educational, professional and social .fields
Teaching and learning strategies	
The strategy	use illustrations Using modern teaching methods through daily student participation and the.

Course structure					
Evaluation method	Teaching method	Name of the unit/topic	Required learning outcomes	hours	the week
Daily participation and monthly exams	Use the screen Video explaining the tenses differences between	Heart physiology	So the heart beats	6	1,2
Compose some - sentences in a row Monthly exams-	Screen use - Some exercises from - methodological references	Cardiac actionc	Heart work	6	3
Daily and monthly exam	screen to solve Use the- specific exercises-topic Methodological references	ontractile cardiomyctesc	Contraction of heart cells	6	4,5
Daily and monthly examinations	Screen use Methodological references	Heart sound	Heart sounds	6	6
Brainstorming Daily and monthly examinations	screen to display Use the slides Explanatory video with examples Methodological references	Blood pressure regulation	Control blood pressure	6	7
Class questions and daily and monthly exams	Screen use Methodological references	systemic circulation	The big blood dollar	6	8,9
Raising class questions Daily and monthly examinations	Screen use Methodological references	microcirculation	Mini course	6	10

Daily testing Monthly exams	Use the screen to display slides with an explanatory video references Methodological	Coronary circulation	Blood circulation	6	11,12
Use brainstorming Monthly testing	Screen use Explanatory video Methodological references supported by examples	DC SHOCK	Cardiopulmonary resuscitation	6	13
Write some sentences Daily and monthly testing	to display Use the screen PowerPoint Methodological references	Cardiac innervation	Cardiac electricity	6	14
Raising class questions Monthly exams	Using the screen to show some body activities Methodological references are supported by some drawings	arrythmia	Body activities	6	15
Course evaluation					
Monthly and final exams, in addition to evaluating oral dialogue between students Active attendance and daily participation					

Infrastructure	
Required prescribed books 1	Applied Physiology in Intensive Care Medicinebooks.google.com › books Michael R. Pinsky, Laurent Brochard, Jordi Mancebo · 2007
Main references (sources)	Applied Physiology: A Handbook for Students of Medicinebooks.google.com › books Sir Robert Hutchison · 1908
Recommended books and references (...,scientific journals, reports)	
Electronic references, Internet sites	

Course description form

Course Name	
Internal Medicine	
Course Code	
Semester/year	
year	
Date this description was prepared	
2024-2-22	
Available forms of attendance	
(Number of study hours (total)/number of units (total	
4\6	
(Name of the course administrator (if more than one name is mentioned	
Name:Asst Lecturer. Duha Maitham Hassan +lecture .Dr.. Qais Amer . email: duha.mithem@alzahraa.edu.iq	
objectives Course	
Objectives of the study subject	<ul style="list-style-type: none"> Students acquire high skills in the field of diagnosing and treating diseases. Make students able to acquire and collect diagnostic and scientific data. students to examine and avoid possible complications in the patient Enabli
Teaching and learning strategies	
The strategy	Reference and help books Field studies in laboratories and hospitals specialized programs Research sites, educational sites, CDs and Continuous daily and weekly surprise tests Laboratory exercises and activities Educational videos Educational pictures Oral training and representation of each patient case inside the laboratory

Course structure					
Evaluation method	Teaching method	Name of the unit/topic	Required learning outcomes	hours	week the
General ,questions discussion and daily testing	Theoretical and practical lecture	The hematological diseases, types, diagnosis.	The hematological diseases, types, diagnosis.	6	1 st
General ,questions discussion and daily testing	Theoretical and practical lecture	Anemia: types, diagnosis, laboratory investigations of anemia, hemolytic anemia. .	Anemia: types, diagnosis, laboratory investigations of anemia, hemolytic anemia. .	6	2 nd
General questions, discussion and daily testing	Theoretical and practical lecture	Gastrointestinal diseases: introduction, types, diagnosis, investigations & treatment.	Gastrointestinal diseases: introduction, types, diagnosis, investigations & treatment.	6	3 rd
General ,questions discussion and daily testing	Theoretical and practical lecture	Liver: hepatic disease: introduction, symptoms, signs, diagnosis & treatment.	Liver: hepatic disease: introduction, symptoms, signs, diagnosis & treatment.	6	4 th
General questions, discussion and daily testing	Theoretical and practical lecture	Kidney: introduction, symptoms, signs, diagnosis & treatment.	Kidney: introduction, symptoms, signs, diagnosis & treatment.	6	5 th
General questions, discussion and daily testing	Theoretical and practical lecture	Cardiovascular diseases: introduction, symptoms, signs, diagnosis & treatment.	Cardiovascular diseases: introduction, symptoms, signs, diagnosis & treatment.	6	6 th
General questions, discussion and daily testing	Theoretical and practical lecture	Electrocardiogram.	Electrocardiogram.	6	7 th
General questions, discussion and daily testing	Theoretical and practical lecture	Respiratory diseases: introduction, symptoms, signs, diagnosis & treatment.	Respiratory diseases: introduction, symptoms, signs, diagnosis & treatment.	6	8 th
General questions, discussion and daily testing	Theoretical and practical lecture	Endocrine diseases: introduction, symptoms, signs, diagnosis & treatment.	Endocrine diseases: introduction, symptoms, signs, diagnosis & treatment.	6	9 th
General questions, discussion and daily testing	Theoretical and practical lecture	Infectious diseases: introduction, symptoms, signs, diagnosis & treatment.	Infectious diseases: introduction, symptoms, signs, diagnosis & treatment.	6	10 th
General questions, discussion and daily testing	Theoretical and practical lecture	Neurological diseases: introduction, symptoms, signs, diagnosis & treatment.	Neurological diseases: introduction, symptoms, signs, diagnosis & treatment.	6	11 th
General questions, discussion and daily testing	Theoretical and practical lecture	DIC, multiorgan system diseases: introduction, symptoms, signs, diagnosis & treatment.	DIC, multiorgan system diseases: introduction, symptoms, signs, diagnosis & treatment.	6	12 th

Course evaluation	
<ul style="list-style-type: none"> • the audience • lecture Quick questions created during the • Stimulating thinking and contemplation about the medical condition and its causes • homework • Laboratory reports • Daily exams • Monthly exams • Final semester exam 	

Infrastructure	
Required prescribed books1	internal medicine Methodical books on
(Main references (sources	Davidsons Harrison
Recommended books and scientific journals,) references (...,reports	Davidsons Harrison
Electronic references Internet ...sites	The website related to internal medicine in addition to the Internet internal medicine Some websites specialize in lectures and reports on

form Course description

Course name .	
Medical terms	
Course Code	
Semester/year	
year	
Date this description was prepared	
2024-2-21	
Available forms of attendance	
(Number of study hours (total)/number of units (total)	
2\2	
(than one name is mentioned Name of the course administrator (if more	
Name: Lecturer .Dr.. Nadia Nayef Hassan .	
I	
objectives Course	
Objectives of the study subject	The student should be able to distinguish the roots, suffixes, prefixes, and word endings of terms medical Medical: The student will be familiar with the most important .terms in each system of the human body
Teaching and learning strategies	
The strategy	Use scientific references .Displaying slides for medical terminology on the screen .Using the smart board

Course structure					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly exams	Using the screen and Scientific references	Introduction– structural analysis- Basic rules of medical word Building Major suffixes- suffixes denoting a state or condition . .	–Structural analysis –Introduction Basic rules of the medical word building Suffixes that indicate -Main suffixes a state or condition	2	1st
Daily and monthly examinations	Using the screen and Scientific references	Major suffixes- suffixes denoting medical actions Prefixes- prefixes of No.& measures .	suffixes that denote -Major suffixes procedures medical Prefixes of number and -Prefixes scales	2	2nd
Daily and monthly examinations	Using the screen and Scientific references	Prefixes- prefixes of color Prefixes- prefixes of direction & position .	Color prefixes -Prefixes Directional and positional - Prefixes .prefixes	2	3rd
Daily and monthly examinations	Using the screen and Scientific references	Prefixes- prefixes of size, time & place Prefixes- prefixes of negation .	Prefixes of size, time and -Prefixes place prefixes of negation - Prefixes	2	4rd
Daily and monthly	the screen Using and	Prefixes- prefixes of type	type prefixes -Prefixes the roots	2	5th

examinations	Scientific references	Roots .			
Daily and monthly examinations	Using the screen and Scientific references	Word terminals Conditions .	Word endings conditions	2	6 th
Daily and monthly examinations	Using the screen and Scientific references	The body as a whole Skin & its appendages .	The body as a whole .accessories Leather and its	2	7 th
Daily and monthly examinations	Using the screen and Scientific references	Gastrointestinal Tract Respiratory system .	Digestive Respiratory system	2	+ 8 th
Daily and monthly examinations	Using the screen and Scientific references	Cardiovascular System Blood & lymphatic system	Cardiovascular system Blood and lymphatic system	2	9 th
Daily and monthly examinations	Using the screen and Scientific references	Musculoskeletal system Urogenital system .	Musculoskeletal system .Genitourinary system	2	+ 10 th
Daily and monthly examinations	Using the screen and Scientific references	.system Endocrine	Endocrine system	2	11 th
Daily and monthly examinations	Using the screen and Scientific references	.system Nervous	Nervous system	2	12 th
Daily and monthly examinations	Using the screen and Scientific references	.senses Special	Special senses.	2	13 th
Daily and monthly examinations	Using the screen and Scientific references	Oncology	Oncology	2	14 th
Daily and monthly examinations	Using the screen and Scientific references	Specialty related terms	Terms related to specialization	2	15 th
Course evaluation					
Conducting periodic exams for students for every one or two lectures					
Surprising questions while explaining the lecture and recording this in the students' evaluation record					
Conducting daily, semester and final exams					
Learning and teaching resources					
(Required textbooks (methodology, if any				Short Course of Medical terminology	
(Main references (sources					
(...references (scientific journals, reports Recommended supporting books and					
Electronic references, Internet sites					

Course Name
Pharmacokinetics
Course Code
Semester/year
year
Date this description was prepared
2024-21-2
Available forms of attendance
(Number of study hours (total)/number of units (total
3\4
(name is mentioned Name of the course administrator (if more than one
Name: Asst . . Lecturer . Maha Muhammad Kazem ..
objectives Course

form Course description

Evaluation method	Teaching method	Name of the unit/topic	Required learning outcomes	hours	the week
General questions and discussion And a daily exam	Theoretical + practical	Principles of Drug Therapy	Principles of pharmacology	4	1
General questions, discussion, and daily exam	Theoretical + practical	Cholinergic agonists and antagonists	Drugs that stimulate or antagonistic receptors of the sympathetic or parasympathetic system	4	2

General questions, discussion, and daily exam	Theoretical + practical	Adrenergic agonists and adrenergic antagonists	Drugs that stimulate and antagonist receptors of the sympathetic or sympathetic system	4	3
General questions, discussion, and daily exams	Theoretical + practical	Drugs affecting cardiovascular system : -Antihypertensive drugs -Anti-heart failure drugs	Medicines affecting the cardiovascular system High blood - pressure medications Heart failure- medications	4	4
General questions, discussion, and daily exam	Theoretical + practical	Drugs affecting cardiovascular system : -Antiarrhythmics . -Antianginal drugs	Drugs affecting cardiovascular gastrointestinal tract -Anti-arrhythmic medications Angina - medications	4	5
discussion, and daily ,General questions exam	Theoretical + practical	Diuretics	Diuretics	4	6
General questions, discussion, and daily exam	Theoretical + practical	Antihistamines	Antihistamine medications	4	7
questions, discussion and daily General exam	Theoretical + practical	Drugs for Disorders of the Respiratory System	Respiratory medications	4	8
General questions, discussion, and daily exam	Theoretical + practical	Drugs for anemia	Anemia medications	4	9
General questions, discussion, and daily exam	Theoretical + practical	Drugs for anemia	Anemia medications	4	10
General questions, discussion, and daily exam	Theoretical + practical	Anticoagulants and Antiplatelet Agents	Anticoagulant medications and platelet aggregation	4	11
discussion, and daily ,General questions exam	Theoretical + practical	Skeletal muscle relaxants	Muscle relaxants	4	12
General questions, discussion, and daily exam	Theoretical + practical	Local anesthetics	Local anesthetic medications	4	13
discussion, and daily ,General questions exam	Theoretical + practical	General anesthetics	General anesthesia medications	4	14
General questions, discussion and daily exam	Theoretical + practical	General anesthetics	General anesthesia medications	4	15

The second course(2 pharmaceuticals

Evaluation method	Teaching method	Name of the unit/topic	Required learning outcomes	hours	the week
General questions and discussion + daily exam	Theoretical practical +	Hypnotic and sedative drugs	Hypnotic and sedative medications	4	16.
,General questions, discussion and daily exam	Theoretical practical +	Hypnotic and sedative drugs	Hypnotic and sedative medications	4	17.
,General questions, discussion and daily exam	Theoretical practical +	Narcotic (opioid) analgesics	Opioids as analgesics	4	18.
,General questions, discussion and daily exam	Theoretical practical +	Analgesics, antipyretics and anti-inflammatory agents	Analgesic, antipyretic inflammatory -and anti medications	4	19.
questions, discussion General and daily exam	Theoretical practical +	Analgesic, antipyretic and anti-inflammatory agents	Analgesic, antipyretic inflammatory -and anti medications	4	20.

Learning and teaching resources .

,General questions, discussion and daily exam	Theoretical practical +	Gastrointestinal and Antiemetic Drugs	Digestive system -medications and anti vomiting medications	4	21.
General questions and daily exam discussion	Theoretical practical +	Gastrointestinal and Antiemetic Drugs	Digestive system -anti medications and vomiting medications	4	22.
General questions and discussion	Theoretical practical +	Drugs for Diabetes	Diabetes medications	4	23.
General questions and discussion	Theoretical practical +	Adrenal hormones -Corticosteroid -Inhibitors of adrenocorticosteroids biosynthesis or function	Adrenal hormones Steroids- Inhibitors of the - synthesis and functions of adrenal steroids	4	24.
,General questions, discussion and daily exam	Theoretical practical +	Antimicrobial agents -Cell wall inhibitors -Protein synthesis. Inhibitors -Quinolones and Folic acid antagonists	Antibiotics and their types according to their action	4	25.
General questions and discussion + daily exam	Theoretical practical +	Antimicrobial agents -Cell wall inhibitors -Protein synthesis. Inhibitors - Quinolones and Folic acid antagonists	Antibiotics and their according to their types action	4	26.
,General questions, discussion and daily exam	Theoretical practical +	Antifungal drugs Antiviral drugs	Antifungal medications- - medications Antiviral	4	27.
,General questions, discussion and daily exam	Theoretical practical +	Anti-Epileptic drugs	Epilepsy medications	4	28.
,General questions, discussion and daily exam	Theoretical practical +	Anti-Parkinson's drugs	Parkinson's paralysis medications	4	29.
,General questions, discussion and daily exam	Theoretical practical +	Clinical toxicology	Clinical toxicology	4	30.

Course evaluation .

periodic exams for students for each lecture or two Conducting

Surprising questions while explaining the lecture and recording this in the students' evaluation record

Conducting daily, semester and final exams

(Required textbooks (methodology, if any	Pharmacology; Lippincott Latest edition
(Main references (sources	Pharmacology; Katzung Latest Edition
Recommended supporting books and (...references (scientific journals, reports	Sources related to new medicines from the Internet or other modern books
Electronic references, Internet sites	<u>Google Scholar</u> , <u>PubMed</u>

Course description form

Course Name