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laboratories	laboratory				
Actual	Lecture	Cell division: Amitosis,	Understand	2-	
theoretical	given	Mitosis and Meiosis	the lecture	Theoretical	
tests - practical	Practical			2- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Nucleic acid: DNA and	Understand	2-	7.
theoretical	given	RNA, DNA Replication	the lecture	Theoretical	
tests - practical	Practical	-		2- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Protein biosynthesis	Understand	2-	
theoretical	given	j	the lecture	Theoretical	
tests - practical	Practical			2- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Human body tissues:	Understand	2-	10-1
theoretical	given	Epithelial tissues	the lecture	Theoretical	
tests - practical	Practical	1		2- Practical	
tests in	application				
laboratories	in the				
14001400	laboratory				
Actual	Lecture	Muscular and nervous	Understand	2-	12-1
theoretical	given	tissues	the lecture	Theoretical	
tests - practical	Practical Practical			2- Practical	
tests in	application			2 Tructicui	
laboratories	in the				
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Actual	Lecture	Connective tissues: Bone	Understand	2-	1
theoretical	given	and cartilage	the lecture	Theoretical	
tests - practical	Practical Practical	una caramage	the lecture	2- Practical	
tests in	application			2 Tructicui	
laboratories	in the				
iaboratories	laboratory				
Actual	Lecture	Blood (RBC and WBC)	Understand	2-	1
theoretical	given	and lymph	the lecture	Theoretical	1
tests - practical	Practical	and lymph	the lecture	2- Practical	
tests - practical	application			2-1 factical	
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Evaluation	Learning	Name of the unit	_	hours	the
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Actual theoretical	Lecture given	Introduction,		2- Theoreti	
tests - practical	given Practical	Anatomical terms	· the lecture	cal	
tests - practical tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Body cavities and it	S Understand	2-	
theoretical	given and	organs.	the lecture	Theoreti	
tests - practical	practical	organs.		cal	
tests in	application			2-	
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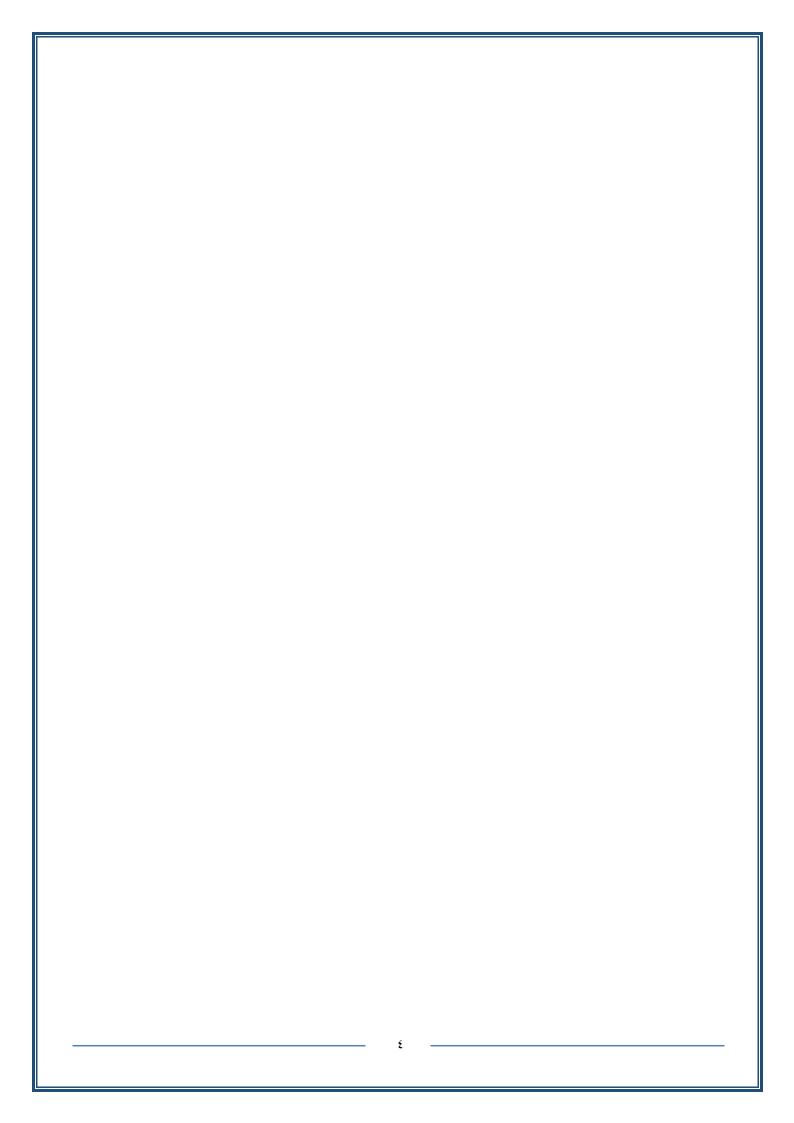
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Actual	Lecture	Cunarficial anatamy	Understand	2-	_
theoretical	given	Superficial anatomy	the lecture	Theoreti	
tests - practical	Practical	of human body.	the lecture	cal	
tests - practical	application			2-	
laboratories	in the			Practical	
laboratories	laboratory			Tactical	
Actual	Lecture	Human hady	Understand	2-	-
theoretical	given	Human body	the lecture	Theoreti	
tests - practical	Practical Practical	tissues; types and	the lecture	cal	
tests in	application	characteristics.		2-	
laboratories	in the			Practical	
aboratories	laboratory			Tucticui	
Actual	Lecture	Skin anatomy and	Understand	2-	
theoretical	given	its functions skin	the lecture	Theoreti	
tests - practical	Practical Practical			cal	
tests in	application	color.		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	General skeletal	Understand	2-	
theoretical	given		the lecture	Theoreti	
tests - practical	Practical	stricture (Skull,	0220 20 00022 0	cal	
tests in	application	limbs).		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Vertebral column	Understand	2-	
theoretical	given	stricture, numbers	the lecture	Theoreti	
tests - practical	Practical	,		cal	
tests in	application	and its function.		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Diaphragm and	Understand	2-	
theoretical	given	abdominal wall	the lecture	Theoreti	
tests - practical	Practical	muscles.		cal	
tests in	application	muscies.		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Anatomy of heart,	Understand	2-	
theoretical	given	wall, valve and its	the lecture	Theoreti	
tests - practical	Practical	function		cal	
tests in	application	Tuncuvii		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Structure of blood	Understand	2-	
theoretical	given	vessels wall arteries,	the lecture	Theoreti	
tests - practical	Practical	veins and		cal	
tests in	application			2-	
laboratories	in the	capillaries.		Practical	
	laboratory				

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Actual	Lecture	Lymphatic system	m – Understand	2-	
theoretical	given	lymph glands	the lecture	Theoreti	
tests - practical	Practical	V I G		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Respiratory syste	em Understand	2-	
theoretical	given	– upper respirato		Theoreti	
tests - practical	Practical	tract.		cal	
tests in	application	tract.		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Respiratory syste	em- Understand	2-	
theoretical	given	lover respirator		Theoreti	
tests - practical	Practical	tract.		cal	
tests in	application	uaci.		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Alveoli-lungs-	. Understand	2-	
theoretical	given	pleural activity		Theoreti	
tests - practical	Practical	productivity		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Revision	Understand	2-	
theoretical	given		the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
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			outcomes	topic	methou	method
		2-	Understand	Definition of	Lecture	Actual
		Theoreti	the lecture	physiology; cell	given	theoretical
		cal		physiology; cell	Practical	tests - practical
		2-			application	tests in
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		Practical		membrane components and	in the	laboratories
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Actual	Lecture	Muscular tissues:	Understand	2-	
theoretical	given	types &	the lecture	Theoreti	
tests - practical	Practical	characteristics.		cal	
tests in	application	characteristics.		2-	
laboratories	in the			Practical	
	laboratory				_
Actual	Lecture	Contraction	Understand	2-	
theoretical	given	mechanism, fatigue,	the lecture	Theoreti	
tests - practical	Practical	muscular pain		cal	
tests in	application	musculai pam		2-	
laboratories	in the			Practical	
	laboratory				_
Actual	Lecture	Types of nerve cells,	Understand	2-	
theoretical	given	functions of nerve	the lecture	Theoreti	
tests - practical	Practical	impulse, synapses		cal	
tests in	application	and reflexes		2-	
laboratories	in the	and reflexes		Practical	
	laboratory				_
Actual	Lecture	Action potential of	Understand	2-	
theoretical	given	nerve and muscle	the lecture	Theoreti	
tests - practical	Practical	fiber.		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				_
Actual	Lecture	Blood; functions,	Understand	2-	
theoretical	given	component, plasma	the lecture	Theoreti	
tests - practical	Practical	and serum		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory			_	_
Actual	Lecture	Red blood cells,	Understand	2-	
theoretical	given	shape, origin, Hb	the lecture	Theoreti	
tests - practical	Practical	structure and		cal	
tests in	application	anemia		2-	
laboratories	in the			Practical	
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Actual	Lecture	WBCs, platelets;	Understand	2-	
theoretical	given	functions, origin,	the lecture	Theoreti	
tests - practical	Practical	structure		cal	
tests in	application			2-	
laboratories	in the			Practical	
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Actual	Lecture	Blood clotting	Understand	2-	
theoretical	given Prostical	mechanism	the lecture	Theoreti	
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laboratories				Practical	
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Actual theoretical	Lecture	Cardiovascular	Understand the lecture	2-	
tests - practical	given	system, heart valve	me iecture	Theoreti cal	
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laboratories	application	conductive syste	m.		Practical		
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	laboratory						
Actual	Lecture	Heart sounds ar	ıd	Understand	2-		
theoretical	given	murmers, ECC	J	the lecture	Theoreti		
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tests in	application				2-		
laboratories	in the				Practical		
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Actual	Lecture	Blood pressure	e	Understand	2-		
theoretical	given			the lecture	Theoreti		
tests - practical	Practical				cal		
tests in	application				2-		
laboratories	in the				Practical		
	laboratory						
Actual	Lecture	Respiratory syste	em,	Understand	2-		
theoretical	given	Pleura, Types o	-	the lecture	Theoreti		
tests - practical	Practical	mechanism of			cal		
tests in	application	respiration.	•		2-		
laboratories	in the	respiration.			Practical		
	laboratory						
Actual	Lecture	Oxygen Transpo	rt	Understand	2-		
theoretical	given	and exchange	:	the lecture	Theoreti		
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tests in	application				2-		
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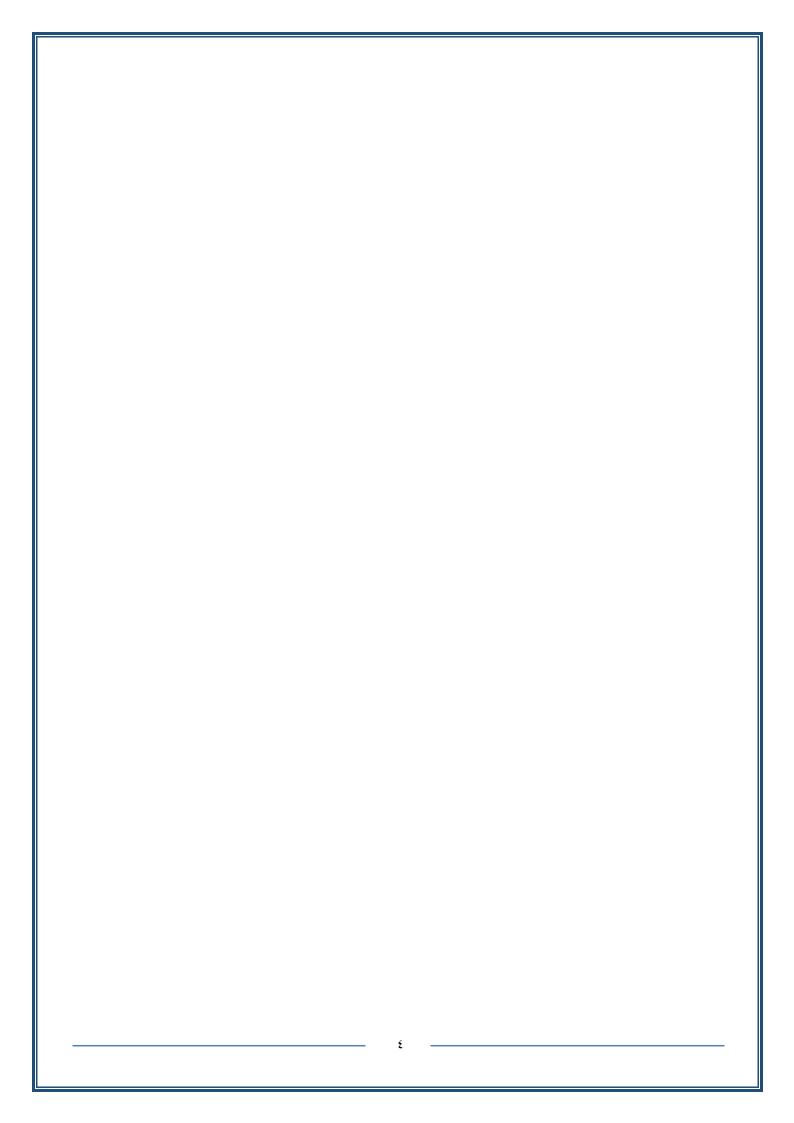
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Actual	Lecture			Understand	2-		
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hniques of descri	iptive and qu	antitative analyzes of				
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	states	of health and illness.				
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eoretical and pract	tical laborator	y methods, hospitals, lectu			The	
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Evaluation	Learning	Name of the unit or	Required	hours	t]	he v
method	method	topic	learning			
Actual	Lecture	Scope of biochemistry	outcomes Understand	2-		
theoretical	given	in health and disease,	the lecture	Theoreti		
tests - practical	Practical Practical	cell and cell	inc acture	cal		
tests in	application	components.		2-		
laboratories	in the			Practical		
	laboratory	α	T T 7		-	
Actual	Lecture	Some aspects of	Understand	2-		
theoretical tests - practical	given and practical	physical chemistry, Gas laws, Boyle's law,	the lecture	Theoreti cal		
tests - practical	application	Graham's Law of		2-		
laboratories	in the	diffusion, Dalton's Law		Practical		
	laboratory	of partial pressure,				
	-	General gas equation,				
		the international system				
		of units.			<u> </u>	

Actual	Lecture	Radio activity and	Understand	2-	
theoretical	given	radioactive isotopes.	the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Solutions and methods	Understand	2-	
theoretical	given	of expressing colloidal	the lecture	Theoreti	
tests - practical	Practical	solution concentrations.		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				_
Actual	Lecture	The PH concept, acid-	Understand	2-	
theoretical	given	base balance, chemical	the lecture	Theoreti	
tests - practical	Practical	balance, common ion		cal	
tests in	application	effect.		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Buffer and buffer	Understand	2-	
theoretical	given	systems of physiological	the lecture	Theoreti	
tests - practical	Practical	importance in living		cal	
tests in	application	systems.		2-	
laboratories	in the			Practical	
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Actual	Lecture	Blood, blood	Understand	2- The are 4	
theoretical	given	components, body	the lecture	Theoreti	
tests - practical	Practical	fluids, regulation of		cal	
tests in laboratories	application in the	blood Ph and body fluids.		2- Practical	
laboratories		nuius.		Fractical	
Actual	laboratory Lecture	Water and electrolyte	Understand	2-	
theoretical		balance – osmotic	the lecture	Theoreti	
tests - practical	given Practical	pressure of body fluids,	the lecture	cal	
tests - practical	application	control of total		2-	
laboratories	in the	electrolytes and body		Practical	
aboratories	laboratory	fluids.		Tactical	
Actual	Lecture	Carbohydrate	Understand	2-	 -
theoretical	given	classification reactions,	the lecture	Theoreti	
tests - practical	Practical Practical	main carbohydrates in		cal	
tests in	application	the human body.		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Metabolism of	Understand	2-	
theoretical	given	carbohydrates, blood	the lecture	Theoreti	
tests - practical	Practical	glucose factors		cal	
tests in	application	controlling glucose level		2-	
laboratories	in the	in blood.		Practical	
	laboratory				
Actual	Lecture	Glucose abnormalities,	Understand	2-	
theoretical	given	diabetes mellitus,	the lecture	Theoreti	
tests - practical	·			cal	

tests in	Practical	ketosis, glycosuria	١,		2-			
laboratories	application	glucose tolerance cur	rve.		Practical			
	in the							
	laboratory							
Actual	Lecture	Lipids, classification	n,	Understand	2-			
theoretical	given	de rive d lipids,		the lecture	Theoreti			
tests - practical	Practical	compound, lipids.	,		cal			
tests in	application				2-			
laboratories	in the				Practical			
	laboratory							
Actual	Lecture	Lipid metabolism, lij	pid	Understand	2-			
theoretical	given	abnormalities.		the lecture	Theoreti			
tests - practical	Practical				cal			
tests in	application				2-			
laboratories	in the				Practical			
	laboratory							
Actual	Lecture	Lipid metabolism, lij	pid	Understand	2-			
theoretical	given	abnormalities.		the lecture	Theoreti			
tests - practical	Practical	cal						
tests in	application				2-			
laboratories	in the				Practical			
	laboratory							
Actual	Lecture	Nucleic acids and the	eir	Understand	2-			
theoretical	given	Expression, DNA		the lecture	Theoreti			
tests - practical	Practical	Replication, Nutatio	n,		cal			
tests in	application	RNA Topology.			2-			
laboratories	in the				Practical			
	laboratory							
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	listening, speaking, reading, and writing							
	.2Enhancing the student's abilities to							
	understand medical words in English							
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		2-	Understand	Getting to know you	Lecture	Actual		
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Actual	Lecture		Understand	2-	
presence	given	It all went wro	ng the lecture	Theoreti	
theory tests				cal	_
Actual	Lecture		Understand	2-	
presence	given	Let's go shoppi	ng the lecture	Theoreti	
theory tests				cal	
Actual	Lecture	What do you wa		2-	
presence	given	to do?	the lecture	Theoreti	
theory tests				cal	_
Actual	Lecture	Tell me what's		2-	
presence	given	like?	the lecture	Theoreti	
theory tests				cal	
Actual	Lecture	Famous couple	es Understand	2-	
presence	given		the lecture	Theoreti	
theory tests				cal	
Actual	Lecture	Do's and don't		2-	
presence	given		the lecture	Theoreti	
theory tests				cal	
Actual	Lecture	Going places		2-	
presence	given		the lecture	Theoreti	
theory tests				cal	
Actual	Lecture	Search to deat		2-	
presence	given		the lecture	Theoreti	
theory tests				cal	
Actual	Lecture	Things that char	nge Understand	2-	
presence	given	the world	the lecture	Theoreti	
theory tests				cal	_
Actual	Lecture	Dreams and real	lity Understand	2-	
presence	given		the lecture	Theoreti	
theory tests				cal	_
Actual	Lecture	Earnings a livi		2-	
presence	given		the lecture	Theoreti	
theory tests				cal	_
Actual	Lecture	Love you and lea		2-	
presence	given	you	the lecture	Theoreti	
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Actual	Lecture	Review	Understand	2-	
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	human rights have passed through religious							
	and legal legislation							
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	Understanding the concept of personal and public freedoms in accordance with religious							
			_		public freedo			
	laws, constitutions and laws.							
	Understanding equality based on gender, belief							
			the concepts of	nderstanding	and race. U			
			democracy					
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stra			methods, lectures, photo	tical laboratory	eoretical and prac			
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	Course							
the v	hours	_		O	Evaluation			
		learning	topic	method	method			
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	2-	Understand	Human rights, their	Lecture	Actual			
	Theoretical	the lecture	definition, and the	given	presence			
			introduction to human rights in ancient		theory tests			
			civilizations, especially					
			the civilization of the					
			Arfida Valley, human					
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theory tests theory and reality The
relationship between
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public freedoms: -1 In
the Universal
Declaration of Human
Rights - 2 in regional
charters and national
constitutions
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facts in development,
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environment, the right
to solidarity, the right
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presence	given	definition - its types,	the lecture	Theoretical	1
theory tests		concepts of democracy		<u> </u>	+
Actual	Lecture	Democracy in the Third	Understand	2-	
presence	given	World, democratic	the lecture	Theoretical	
theory tests		systems in the world	,	<u> </u>	
Actual	Lecture	The concept of	Understand	2-	1
presence	given	freedoms, classification	the lecture	Theoretical	ı
theory tests		of public freedoms,	, ,	ı J	ı
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Actual	Lecture	Freedom of security	Understand	2-	
presence	given	and feeling of	the lecture	Theoretical	ı 📗
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presence	given	freedom of work, right	the lecture	Theoretical	i 📗
theory tests		to own property	<u> </u>	<u> </u>	ıL
Actual	Lecture	Freedom of trade and	Understand	2-	
presence	given	industry, freedom of	the lecture	Theoretical	ı II
theory tests		women	<u> </u>	<u></u>]	ıL
Actual	Lecture	Political parties and	Understand	2-	
presence	given	public freedoms,	the lecture	Theoretical	(
theory tests	C	scientific and technical	,	ı J	(
•		progress and public	,	ı J	(
		freedoms		<u></u>]	ı L
Actual	Lecture	The future of public	Understand	2-	
presence	given	freedoms	the lecture	Theoretical	ı 🎚
theory tests	C		,	ı J	ı 🎚
				Course evalu	a: t
					ne a
				611	4

Peer evalua Week Veek Learning and teaching resources

Riyad Aziz Hadi, Human Rights, Its Development an Implications, Al-Atak Company, Cairo, 201	Main reference
Human Rights Watch	Recommended supporting books and
Tuman Rights Water	Recommended supporting books and (scientific journals,
	(2000)

Course Name .\

Anatomy2

Course Code .

Semester/year . "

the first /2023-2024

Date this description was prepared . 5

2/29/2024

Available attendance forms ..

presence

Number of study hours (total)/number of units (total) .\(\)

60 hours - 3 credits

Name of the course administrator (if more than one name is mentioned) .V

Name: Email:

Course objectives .^

roducing the student to the body's organs

and tissues.

Identify the parts that make up each organ Identify the tissues that make up each organ entify the specialized functions of organs and

tissues

Objectives of the study subject

Teaching and learning strategies .4

eoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.

The strategy

				Course	structure . \ ·
Evaluation	Learning	Name of the unit or	Required	hours	the week
method	method	topic	learning		
			outcomes		
Actual	Lecture	Revision	Understand	2-	٠.١
theoretical	given		the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	CNS structures and	Understand	2-	٠,٢
theoretical	given and	functions	the lecture	Theoreti	
tests - practical	practical			cal	
tests in	application			2-	
laboratories	in the			Practical	

			-		
	laboratory				
Actual	Lecture	PNS, spinal nerves	Understand	2-	٠.٣
theoretical	given		the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Sensory and motor	Understand	2-	. ٤
theoretical	given	nerves	the lecture	Theoreti	
tests - practical	Practical	1101 (0.5		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	GIT system, parts &	Understand	2-	.0
theoretical	given	structure of wall	the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application	stomach		2-	
laboratories	in the			Practical	
100001000	laboratory				
Actual	Lecture	Salivary glands	Understand	2-	.٦
theoretical	given	system, pancreas &	the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application	gallbladder		2-	
laboratories	in the			Practical	
140014001105	laboratory			1100000	
Actual	Lecture	live anatomy,	Understand	2-	٠,٧
theoretical	given	structure and	the lecture	Theoreti	•
tests - practical	Practical			cal	
tests in	application	function		2-	
laboratories	in the			Practical	
1440 01440 0110 5	laboratory			1 100001001	
Actual	Lecture	Urinary system,	Understand	2-	۰۸
theoretical	given	kidney, ureter,	the lecture	Theoreti	
tests - practical	Practical	• • • • • • • • • • • • • • • • • • • •		cal	
tests in	application	bladder and urethra		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Reproductive	Understand	2-	٩
theoretical	given	system, male	the lecture	Theoreti	
tests - practical	Practical	1		cal	
tests in	application	genitalia		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Female reproductive	Understand	2-	.1.
theoretical	given	organ	the lecture	Theoreti	
tests - practical	Practical	Organ		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Endocrine glands,	Understand	2-	.11
theoretical	given	anatomy and	the lecture	Theoreti	

tests - practical Practical function cal	
tests in application 2-	
laboratories in the Practical	
laboratory	
Actual Lecture Endocrine glands, Understand 2-	.17
theoretical given anatomy and the lecture Theoreti	
tests - practical Practical function cal	
tests in application 2-	
laboratories in the Practical	
laboratory	
Actual Lecture Ear anatomy Understand 2-	.17
theoretical given the lecture Theoreti	
tests - practical Practical cal	
tests in application 2-	
laboratories in the Practical	
laboratory	
Actual Lecture Ear function Understand 2-	.1 £
theoretical given the lecture Theoreti	
tests - practical Practical cal	
tests in application 2-	
laboratories in the Practical	
laboratory	
Actual Lecture Revision Understand 2-	.10
theoretical given the lecture Theoreti	
tests - practical Practical cal	
tests in application 2-	
laboratories in the Practical	
laboratory	T
Course e	valuation
	the audience
n n	Share evaluation
	Veekly reports
Learning and teaching r	<u> </u>
	ences (sources)
2014.	
-Nature Recommended supporting	books and
-Science references (scientific journal	
E. book and websites	
12. DOUR and Websites	
Medical website Electronic references	, Internet sites

Course Name .\

Medical physiology2

Course Code . 7

Semester/year ."

the second /2023-2024

Date this description was prepared . 5

2/29/2024

Available attendance forms ..

presence

Number of study hours (total)/number of units (total) .7

60 hours - 3 credits

Name of the course administrator (if more than one name is mentioned) .

Name: Email:

Course objectives .^

the end of the academic year, the student will be able understand the functions of the various cells and stems of the body in general and perform various techniques for analyzing blood and other body fluids.

Objectives of the study subject

Teaching and learning strategies .4

eoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.

The strategy

	Course structure . \.\						
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week		
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Carbon dioxide transporting and exchange	Understand the lecture	2- Theoreti cal 2- Practical	. `		
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Lung vol. and capacity, types and hypoxia	Understand the lecture	2- Theoreti cal 2- Practical	۲.		
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the	Physiology of digestive system, gastric phases	Understand the lecture	Theoreti cal 2- Practical	۳.		

		T T			
	laboratory				
Actual	Lecture	Steps of digestion	Understand	2-	. £
theoretical	given	(carbohydrate,	the lecture	Theoreti	
tests - practical	Practical	protein, fat digestion		cal	
tests in	application	and absorption		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Urinary system,	Understand	2-	.•
theoretical	given	renal functions,	the lecture	Theoreti	
tests - practical	Practical	urine formationand		cal	
tests in	application	reflexes		2-	
laboratories	in the	Tellexes		Practical	
	laboratory				
Actual	Lecture	Role of kidney to	Understand	2-	٦.
theoretical	given	maintain body fluids	the lecture	Theoreti	
tests - practical	Practical	to regulate B. Pre.		cal	
tests in	application	C		2-	
laboratories	in the	And balance		Practical	
	laboratory				
Actual	Lecture	Body temperature	Understand	2-	٠,٧
theoretical	given	regulation and	the lecture	Theoreti	
tests - practical	Practical	control		cal	
tests in	application	Control		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Nervous system,	Understand	2-	۰۸
theoretical	given	CNS brain function	the lecture	Theoreti	
tests - practical	Practical	and centers		cal	
tests in	application	and centers		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Spinal cord, SCF,	Understand	2-	٠٩
theoretical	given	spinal reflexes	the lecture	Theoreti	
tests - practical	Practical	Spinar refrexes		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	PNS autonomic and	Understand	2-	.1.
theoretical	given	sensory	the lecture	Theoreti	
tests - practical	Practical	Scrisory		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Endocrine system	Understand	2-	.11
theoretical	given	control of hormone,	the lecture	Theoreti	
tests - practical	Practical	,		cal	
tests in	application	types and secretion		2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Hormonal secretion	Understand	2-	.17
theoretical	given	from different	the lecture	Theoreti	
	3	Hom unicicut			

tests - practical	Practical	glands			cal	
tests in	application	g			2-	
laboratories	in the				Practical	
	laboratory					
Actual	Lecture	Reproductive	;	Understand	2-	.18
theoretical	given	system, male		the lecture	Theoreti	
tests - practical	Practical	reproductive sys			cal	
tests in	application	reproductive sys	ıcııı		2-	
laboratories	in the				Practical	
	laboratory					
Actual	Lecture	Female reproduc	tive	Understand	2-	.1٤
theoretical	given	system		the lecture	Theoreti	
tests - practical	Practical	·			cal	
tests in	application				2-	
laboratories	in the				Practical	
	laboratory					
Actual	Lecture	Ear and eye		Understand	2-	.10
theoretical	given	physiology		the lecture	Theoreti	
tests - practical	Practical				cal	
tests in	application				2-	
laboratories	in the				Practical	
	laboratory				Course	valuation. \
					Course	the audience
						Share
					P	eerevaluation
						Veekly reports
				Learning an		resources. \ \
Willian	ms. (2012).Te	extbook of				nces (sources)
	endocrinolog					,
	_	• '				
i illiaueipilia		nders., pp.1371-				
	1435					
	AC(1996).In					
	rinology in T					
MedicalPhys	MedicalPhysiology.(9thed),WB Saunders					
Co.	Philadelphia.	,P.925				
		,				
	-Nature		Rec		pporting	books and
-Science				references (scie	ntific journ	als, reports)
E.	E. book and websites					
Med	lical website			Electronic	references	, Internet sites

		Course a	escription	iorm		
Course Name	.1					
Medical physics	2					
Course Code	٠,٢					
Semester/year	٠,٣					
the second /2023	3-2024					
Date this descrip	otion was prepai	red . [£]				
2/29/2024						
Available attend	lance forms .	0				
presence						
Number of study	` ′	umber of units	(total) .			
90 hours – 4 cre						
Name of the cou	rse administrato	or (if more tha	n one name i	is mentioned) .	٧	
Name: Email:						
C	A					
Course objective		. C 41 . C		Ol.:	.4'	
ntifying the phys				Obje	cuves of the	e study subject
pters that the com to the medical						
ds that he obser	•					
h as blood flow,						
brain rate, the						
bruin rute, the	-	and pressures				
	, , , , , , , , , , , , , , , , , , ,	ma prossures		Teaching and	learning st	rategies .9
eoretical and pra	ctical laborator	v methods, hos	pitals, lectu			The strategy
_	-	· · · · · · · · · · · · · · · · · · ·	-	en discussion metl		<i>6.</i>
					Co	urse structure
Evaluation	Learning	Name of	the unit or	Required	hours	the week
method	method		topic	learning		
				outcomes		
Actual	Lecture	D		Understand	2-	1-2
theoretical	given	Physics of	,	the lecture	Theoreti	
tests - practical	Practical	press	ure		cal	
tests in	application				4-	
laboratories	in the				Practical	
	laboratory					
Actual	Lecture			Understand	2-	3-5
theoretical	given and	Energy, wo	ork and	the lecture	Theoreti	
tests - practical	practical	power of th			cal	
tests in	application	P · · · · · ·			4-	
laboratories	in the				Practical	
	laboratory			WT 7		
Actual	Lecture	_		Understand	2-	6-7
theoretical	given	Heat and	cold in	the lecture	Theoreti	
tests - practical	Practical	medic	ine		cal 4-	
tests in	application				4-	

laboratories	in the				Practical	
	laboratory					
Actual	Lecture	G		Understand	2-	8-9
theoretical	given	Specific heat		the lecture	Theoreti	
tests - practical	Practical	capacity, laten	,		cal	
tests in	application	thermometer			4-	
laboratories	in the	kinds, heat tran	•		Practical	
	laboratory	conduction, con				
		and radiati	_			
		Regulation of				
		through the h	uman			
Actual	Lecture	body.	fusion	Understand	2-	10
theoretical		Boyle's law, di		the lecture	Z- Theoreti	10
tests - practical	given Practical	and mixing of	gases.	the lecture	cal	
tests - practical	application				4-	
laboratories	in the				4- Practical	
laboratories	laboratory				Tactical	
Actual	Lecture	Physics of lun	a and	Understand	2-	11-13
theoretical	given	breathing	_	the lecture	Theoreti	11-13
tests - practical	Practical	Dicaumi,	5	the lecture	cal	
tests - practical	application				4.	
laboratories	in the				Practical	
laboratories	laboratory				Tactical	
Actual	Lecture	Evaporation of	lianids.	Understand	2-	14 -15
theoretical	given	vapor pressui	- '	the lecture	Theoreti	
tests - practical	Practical	boiling point, h			cal	
tests in	application	laminar and tr	• .		4-	
laboratories	in the	flow in liqu	id.		Practical	
	laboratory	_				
					Course e	valuation .\
						the audience
						Share
						eerevaluation
						Veekly reports
			T	Learning an		
Medical Phy	sics. 12th ed.,	, Sylvia et al.,]	Main refere	ences (sources)
	2012.					
Essential of	Medical Phys	sics. 3rd ed.,				
	t Barry et al.					
Scienti	fic journals		Recom	nended supportin	_	
						als, reports)
Medio	Medical website Electronic references, Internet sites					

Course Name .\

Biochemistry2

Course Code . 7

Semester/year . "

the second /2023-2024

Date this description was prepared . 5

2/29/2024

Available attendance forms ..

presence

Number of study hours (total)/number of units (total) .7

60 hours - 3 credits

Name of the course administrator (if more than one name is mentioned) . \(\frac{1}{2} \)

Name: Email:

Course objectives .^

neral objective: At the end of the current academic ar, the student will be able to: – Perform various hniques of descriptive and quantitative analyzes of mponents in blood and other body fluids in humans in states of health and illness.

Objectives of the study subject

Teaching and learning strategies . 4

eoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.

The strategy

Course structure . \.						
Evaluation	Learning	Name of the unit or	Required	hours	the week	
method	method	topic	learning			
		_	outcomes			
Actual	Lecture	Lab. Instructions,	Understand	2-	٠.	
theoretical	given	receiving lab.	the lecture	Theoreti		
tests - practical	Practical	Equipments		cal		
tests in	application	preparation of cleaning		2-		
laboratories	in the	solution		Practical		
	laboratory					
Actual	Lecture	Preparation of	Understand	2-	٠٢.	
theoretical	given and	solutions, normal	the lecture	Theoreti		
tests - practical	practical	solution, molar solution,		cal		
tests in	application	Part Per Million (PPM).		2-		
laboratories	in the	Dilution, % percentage		Practical		
	laboratory	(W/V, V/V)				
Actual	Lecture	Oxidation-reduction	Understand	2-	.۳	
theoretical	given	litration,	the lecture	Theoreti		
tests - practical	Practical	standardization of		cal		
tests in	application	permanganate solution		2-		

	Practical		against oxalic acid	in the	laboratories
		** *		laboratory	
. ٤	2-	Understand	Determination of serum	Lecture	Actual
	Theoreti	the lecture	calcium	given	theoretical
	cal			Practical	tests - practical
	2-			application	tests in
	Practical			in the	laboratories
		TT 1 / 1		laboratory	A
.•	2-	Understand	Flame photometry.	Lecture	Actual
	Theoreti	the lecture	Determination of	given	theoretical
	cal		sodium and potassium	Practical	tests - practical
	2-		in serum	application	tests in
	Practical			in the	laboratories
		** *		laboratory	A
٦.	2-	Understand	Carbohydrates: general	Lecture	Actual
	Theoreti	the lecture	reactions for	given	theoretical
	cal		carbohydrates	Practical	tests - practical
	2-		reductions of	application	tests in
	Practical		monosaccharides,	in the	laboratories
			Molisch's fehling test,	laboratory	
			Benedict test, Barfoed's		
			test, Ny-lander's test		
			selivanoff's test, Moor's		
			test Action		
٠,	2-	Understand	Paper chromatography	Lecture	Actual
	Theoreti	the lecture	of carbohydrates	given	theoretical
	cal			Practical	tests - practical
	2-			application	tests in
	Practical			in the	laboratories
		** *	5	laboratory	A
٠,٨	2-	Understand	Disaccharides.	Lecture	Actual
	Theoreti	the lecture	Reactions of reducing	given	theoretical
	cal		disaccharides, Molisch.	Practical	tests - practical
	2-			application	tests in
	Practical			in the	laboratories
		TT 3 / 3	m e l l	laboratory	A . =
٠٩	2-	Understand	Test, fehling test,	Lecture	Actual
	Theoreti	the lecture	benedict test, barfood	given	theoretical
	cal		test trummer's test,	Practical	tests - practical
	2-			application	tests in
	Practical			in the	laboratories
	_			laboratory	
.1.	2-	Understand	phenyl hydrazine test	Lecture	Actual
	Theoreti	the lecture		given	theoretical
	cal			Practical	tests - practical
	2-			application	tests in
	Practical			in the	laboratories
				laboratory	
.11	2-	Understand	reaction of non-	Lecture	Actual
	Theoreti	the lecture	reducing disaccharides	given	theoretical
	cal		test for sucrose, acid	Practical	tests - practical

tests in	application	hydrolysis, hydroc	hlo		2-	
laboratories	in the	red acid test.			Practical	
	laboratory					
Actual	Lecture	Polysaccharides	,	Understand	2-	.17
theoretical	given	reactions of		the lecture	Theoreti	
tests - practical	Practical	polysacchorides	3		cal	
tests in	application	microscopic appear	ance		2-	
laboratories	in the	of starch grains			Practical	
	laboratory	solubility in wate	*			
	·	iodine test, precipita	,			
		by alcohol, precipita				
		by ammonium, sulp				
		hydrolysis by aci				
Actual	Lecture	Lipid metabolism,		Understand	2-	.18
theoretical	given	abnormalities.	•	the lecture	Theoreti	
tests - practical	Practical				cal	
tests in	application				2-	
laboratories	in the				Practical	
144001400	laboratory					
Actual	Lecture	Lipid metabolism,	linid	Understand	2-	.1 £
theoretical	given	abnormalities.	P	the lecture	Theoreti	·
tests - practical	Practical	abilotinances:		the lecture	cal	
tests in	application				2-	
laboratories	in the				Practical	
aboratories	laboratory				Tactical	
Actual	Lecture	Nucleic acids and t	heir	Understand	2-	.10
theoretical	given	Expression, DNA		the lecture	Theoreti	• '
tests - practical	Practical	Replication, Nutati		the lecture	cal	
tests in	application	RNA Topology	,		2-	
laboratories	in the	Kivii Topology	•		Practical	
laboratories	laboratory				Tactical	
	laboratory				Course	valuation 11
					Course e	the audience
						Share
					D	eer evaluation
						Veekly reports
				I corning on		resources. 17
Williams (2012)	Textbook of hum	nanendocrinology(12th				nces (sources)
		ders., pp.1371-1435		1	viaiii ieieie	inces (sources)
		Endocrinology in Text				
		hed),WB Saunders				
	o.Philadelphia. ,	,P.925				
	-Nature		Rec		pporting	books and
-Science				references (scie	ntific journa	als, reports)
F	E. book and web	osites				
Med	dical website			Electronic	references	, Internet sites

Course Name	٠١				
Microbiology					
Course Code	٠,٢				
Semester/year	٠,٣				
the first /2023-20	024				
Date this descrip	otion was prepar	ed .4			
2/29/2024					
Available attend	ance forms .	•			
presence					
		umber of units (total) .	٦		
60 hours – 3 cre					
	rse administrato	or (if more than one name	is mentioned) .	٧	
Name: Email:					
Course objective	es .^				
At the end of the	e academic yea	r, the student should	Obje	ctives of the st	udy s ubje c
be able to: -	Identify the co	ell and its structure,			
describe bacte	ria and parasi	tes, and explain the			
	-	Il against pathogenic			
		organisms.			
			Teaching and		
eoretical and prac	ctical laboratory	methods, lectures, photo			he strateg
		three-dimensional mod	leis, and open discu		
T		N T 0.17 1.			e structure
Evaluation	Learning	Name of the unit or	-	hours	the weel
method	method	topic			
A . 4 . 1	T	The misus arganisms	outcomes	2	1
Actual	Lecture	The microorganism	Understand the lecture	2- Theoretical	1
theoretical	given Drastical		the lecture		
tests - practical tests in	Practical application			2- Practical	
laboratories	in the				
laboratories	laboratory				
Actual	Lecture	Bacteria: classification,	Understand	2-	2-3
theoretical	given and	structure and functions.	the lecture	Theoretical	2-3
tests - practical	practical	structure and runctions.	the lecture	2- Practical	
tests - practical	application			2-1 factical	
laboratories	in the				
laboratories	laboratory				
Actual	Lecture	Media and culture	Understand	2-	4-5
theoretical	given	1710am and culture	the lecture	Theoretical	T -3
tests - practical	Practical		inc icctuit	2- Practical	
tests - practical tests in	application			2 Hachean	
	SPP		1		I

1.1	• . 41	Т	<u> </u>		
laboratories	in the				
A 4 1	laboratory	A mathematical and a	TT 1 4 1	2	
Actual	Lecture	Antibiotics and	Understand	2-	6
theoretical	given	Antibiotic resistance	the lecture	Theoretical	
tests - practical	Practical			2- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Fungi: characteristics,	Understand	2-	7-8
theoretical	given	reproductive and	the lecture	Theoretical	
tests - practical	Practical	classification.		2- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Virus: structure,	Understand	2-	9
theoretical	given	classification and	the lecture	Theoretical	
tests - practical	Practical	reproduction.		2- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Parasite: introduction,	Understand	2-	10-11
theoretical	given	parasite & host	the lecture	Theoretical	
tests - practical	Practical	relationship, diagnosis		2- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Classes of parasite	Understand	2-	12-13
theoretical	given	(protozoa, helminthes	the lecture	Theoretical	
tests - practical	Practical Practical	and ectoparasites)		2- Practical	
tests in	application			2 Tructicui	
laboratories	in the				
iaboratories	laboratory				
Actual	Lecture	Helminthes: structure and	Understand	2-	14
theoretical	given	classification.	the lecture	Theoretical	4-7
tests - practical	Practical Practical	Chtssireuton.	the lecture	2- Practical	
tests - practical tests in	application			2-1 factical	
laboratories	in the				
laboratories					
Actual	laboratory Lecture	The immune system,	Understand	2-	15
theoretical		mechanism of immune	the lecture	Theoretical	15
	given Practical	system (innate and	the lecture	2- Practical	
tests - practical tests in	application	adaptive immunity).		4- i factical	
		adaptive miniming).			
laboratories	in the				
	laboratory			Commercial	- 04 ¹ 0 - 0
				Course evalu	uation . w

the audience Share

Peer evaluation Weekly reports

Learning and teaching resources .

1- Human Biology. 12th ed., Sylvia et al., 2012

Main references (sources)

2- Review Of Medical Microbiology And	
Immunology. by Warren Levinson.	
1- Essential of Cell Biology. 3rd ed., Albert Barry et	
al.,2010.	
-Nature	Recommended supporting books and
-Science	references (scientific journals, reports)
E. book and websites	
Medical website	Electronic references, Internet sites

Course Name .\

Computer principles

Course Code . 7

Semester/year ."

the second /2023-2024

Date this description was prepared . 5

2/29/2024

Available attendance forms ...

My presence

Number of study hours (total)/number of units (total) .\(\)

60 hours - 3 credits

Name of the course administrator (if more than one name is mentioned) .^V

Name: Email:

Course objectives .^

the end of the academic year, the student will be able understand the functions of the various cells and stems of the body in general and perform various techniques for analyzing blood and other body fluids.

Objectives of the study subject

Teaching and learning strategies .4

eoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.

The strategy

Course structure					
Evaluation	Learning	Name of the unit or	Required	hours	the week
method	method	topic	learning		
			outcomes		
Actual	Lecture		Understand	2-	٠.
theoretical	given	Operating System	the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Hardware and	Understand	2-	۲.
theoretical	given and	software	the lecture	Theoreti	
tests - practical	practical	2 - 2		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Files and folders	Understand	2-	.٣
theoretical	given		the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	

	laboratory				
Actual	Lecture	Folders and files	Understand	2-	. £
theoretical	given	managing	the lecture	Theoreti	
tests - practical	Practical	8 8		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Computer	Understand	2-	.•
theoretical	given	Hardware	the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Tab settings	Understand	2-	.٦
theoretical	given	0	the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Page setup	Understand	2-	٠,٧
theoretical	given	g	the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Microsoft Excel	Understand	2-	٠,٨
theoretical	given		the lecture	Theoreti	
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Manipulating the	Understand	2-	.٩
theoretical	given	contents	the lecture	Theoreti	•
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Simple and complex	Understand	2-	.1.
theoretical	given	formula	the lecture	Theoreti	•
tests - practical	Practical	-5		cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Working with charts	Understand	2-	.11
theoretical	given	···- -9 ·· v	the lecture	Theoreti	•
tests - practical	Practical			cal	
tests in	application			2-	
laboratories	in the			Practical	
	laboratory				
Actual	Lecture	Understanding power	Understand	2-	.17
theoretical	given	point	the lecture	Theoreti	•
JII OI CHEMI	B*****	Pom	THE LECTURE		

tests - practical	Practical				cal	
tests in	application				2-	
laboratories	in the				Practical	
	laboratory					
Actual	Lecture	Managing slide ob	ject	Understand	2-	.18
theoretical	given			the lecture	Theoreti	
tests - practical	Practical				cal	
tests in	application				2-	
laboratories	in the				Practical	
	laboratory					
Actual	Lecture	Internet Introduct	ion	Understand	2-	.11
theoretical	given			the lecture	Theoreti	
tests - practical	Practical				cal	
tests in	application				2-	
laboratories	in the				Practical	
	laboratory					
Actual	Lecture	Working with Em	ail	Understand	2-	.10
theoretical	given			the lecture	Theoreti	
tests - practical	Practical				cal	
tests in	application				2-	
laboratories	in the				Practical	
	laboratory					
					Course e	valuation. \\
						the audience
						Share
						eer evaluation
						Veekly reports
			ı			resources. 17
Jr., DHLF, 20	012. Introduc	tion to Microsoft]	Main refere	ences (sources)
Office 2010). 2nd ed. sl:W	Vorld scientific				
	publishing	·				
Mayne, R., 29	1	tion to Windows.				
2nd ed. sl:	World scienti	fic publishing				
		2014. Operating				
Systems	: Principles an	nd Practice.				
sl:	University of	Texas				
E.	book and we	bsites	Rec	ommended su	pporting	books and
				references (scie	entific journa	als, reports)
	we bsite			Electronic	references	, Internet sites

Course Name .1					NT						
Semester/year . /* Semester/year . /* the second /2024 Date this description was prepared . /* 2/29/2024 Available attendance forms . /* My presence											
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the patient and the equipment. Course structure.				•		0.					
Evaluation method metho	dents, and follow	ing up on the	way they respond and the defect that n	nay occur in							
Evaluation method metho			the patient and the	equipment.							
method material - practical laboratorie s within the anesthesia laboratory and the operating room helps and the operating and the operating and the operating and the operating and the operatical laboratorie material - practical laboratorie hody to injury hodge and the lecture were described as a learning outcomes were kelloused which were kelloused and the lecture with the lecture was a learning outcomes were kelloused and the lecture with the lecture was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes and the lecture was a learning outcomes and the lecture was a learning outcomes. The oretical was a learning outcomes and the lecture was a learning outcomes and the lecture was a learning outcomes and the lecture was a learning outcomes. Th											
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practical laboratorie s within the anesthesia laboratory and the operating room +Quiz Attendance Theoretical practical laboratorie body to injury Compared to the lecture of the lect	_		Shock (types, pathophysiology)			1					
laboratorie s within the anesthesia laboratory and the operating room +Quiz Attendance Theoretical practical laboratorie body to injury Attendance Attenda	Attenuance			the lecture							
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laboratory and the operating room +Quiz Attendance Theoretical practical laboratorie Additional laboratory and the operating room Discourse Compared to the lecture					Practic						
and the operating room +Quiz Attendance Theoretical material practical laboratorie and the operating room Emergency surgery, reaction of the lecture ical the lecture body to injury 4-		anesthesia			al						
operating room +Quiz Attendance practical practical laboratorie Description of the lecture o		laboratory									
+Quiz Attendance Theoretical aboratorie Emergency surgery, reaction of practical laboratorie Emergency surgery, reaction of the lecture Compared the le											
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laboratorie 4-	Attendance		body to injury	me iecture							
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anesthesia al											
laboratory					1	Ī					
and the	· i	laboratory									

	operating room				
+Quiz Attendance	Theoretical material - practical laboratorie s within the	Nutritional support in surgery	Understand the lecture	2- Theoret ical 4- Practic	3
	anesthesia laboratory and the operating room			al	
+Quiz	Theoretical	Types of Surgical Diseases	Understand	2-	4
Attendance	mate rial - practical	Hereditary, Congenital,	the lecture	Theoret ical	
	laboratorie s within the anesthesia	Acquired		4- Practic al	
	laboratory and the operating room				
+Quiz Attendance	Theoretical material - practical laboratorie	Angiology: Acute & Chronic Ischemia, Venous Disease, Lymphadenopathy, surgical lymphoedema	Understand the lecture	Theoret ical 4-	5
	s within the anesthesia laboratory and the operating			Practic al	
	room				
+Quiz Attendance	Theoretical material - practical laboratorie s within the anesthesia laboratory and the operating room	Angiology: Venous Dis. – Thrombophle bitis & Phle bothrombosis	Understand the lecture	2- Theoret ical 4- Practic al	6
+Quiz Attendance	Theoretical material - practical laboratorie s within the anesthesia laboratory and the operating	Lymphade nopathy, surgicalLymphoe de ma.	Understand the lecture	Theoret ical 4- Practic al	7

↓ Owiz	room Theoretical	Cellular Growth - its reactions to	Understand	2-	8
+Quiz		Centiar Growth - its reactions to			ð
Attendance	material -	Stress & Injury	the lecture	Theoret	
	practical laboratorie	2010 % CO 111 3 41 y		ical 4-	
	s within the			-	
	anesthesia			Practic	
				al	
	laboratory and the				
	operating				
- Oniz	room Theoretical	Oncology Chemotherany rediction	Understand	2-	9
+Quiz	material -	Oncology, Chemotherapy, radiation			9
Attendance		& biological effects of them	the lecture	Theoret	
	practical laboratorie			ical 4-	
	s within the			Practic	
	anesthesia			al	
	laboratory				
	and the				
	operating				
. 0	room	01	II d 4 d.	2-	10
+Quiz	Theoretical	Oncology.	Understand	_	10
Attendance	material -		the lecture	Theoret	
	practical			ical	
	laboratorie			4- D4i-	
	s within the			Practic	
	anesthesia			al	
	laboratory				
	and the				
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. 0:-	room		II J4 J	2	11
+Quiz			Understand	2-	11
Attendance	material -	Chemotherapy, radiation &	the lecture	Theoret	
	practical	biological effects of them		ical	
	laboratorie			4- D4i-	
	s within the			Practic	
	anesthesia			al	
	laboratory				
	and the				
	operating				
- Onia	room Theoretical		Understand	2-	12
+Quiz Attendance	material -		the lecture	Theoret	14
Attendance		Common skin lesions, tumors	me lecture		
	practical laboratorie			ical 4-	
	s within the				
	s within the anesthesia			Practic	
				al	
	laboratory				
	and the				
	operating				
	room				

+Quiz	Theoretical			Understand	2-	13
Attendance	mate rial -	Pre-operative prepara	tion	the lecture	Theoret	
	practical				ical	
	laboratorie				4-	
	s within the				Practic	
	anesthesia				al	
	laboratory					
	and the					
	operating					
	room					
+Quiz	Theoretical	Post-operative complication	s & care	Understand	2-	14
Attendance	mate rial -			the lecture	Theoret	
	practical				ical	
	laboratorie				4-	
	s within the				Practic	
	anesthesia				al	
	laboratory					
	and the					
	operating					
	room					
+Quiz	Theoretical	Sutures & Anastomo	sis	Understand	2-	15
Attendance	mate rial -			the lecture	Theoret	
	practical				ical	
	laboratorie				4-	
	s within the				Practic	
	anesthesia				al	
	laboratory					
	and the					
	ope rating					
	room					
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		Attendance, parti	cipation, j	pe e r e valuation	, weekly re	ports
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Princi	iples of surge	ry, short notes	Required	textbooks (met	hodology,	if any)
				Main refe	rences (so	urces)
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	Scientific jo	<u> </u>	Recomr	nended suppor	ting book	s and
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	Name of	the course administrator (if	more tha	n one n	ame is m	entioned)	٠٧.
			Name: D			her email:	
						<u>objectives</u>	٠,٨
		stand the basics of statistics	•		jectives	of the	study
ability to analy	ze data and k	know the effect rates of the st			•		ubject •
1	C41 1				earning	strategies	. 9
rious explanation		omenon and experiments to se of statistical programs to d				The st	rategy
	wen as the us	e orstausticai programs to u	e mons u a	ite tins		Course stri	ıcture
Evaluation	Learning	Name of the unit or topic	Re	quired		hours	the
method	method	rame of the unit of topic		earning		nours	wee
				tcomes			k
+Quiz	Understan	Introduction. Measure	ement	Unde	erstand	2-	1
Attendance	d the	scale of variables. Stat	istical	the	lecture	Theoreti	
	lecture	tables.				cal	
						4-	
						Practica	
↓ Owiz	Understan	Craphical presentation		Und	erstand	2-	2
+Quiz Attendance	d the	Graphical presentation)11.		lecture	Theoreti	
Attendance	le cture			the	iccturc	cal	
	icetare					4-	
						Practica	
						1	
+Quiz	Understan	Arithmetical presentat	ion.		erstand	2-	3
Attendance	d the			the	lecture	Theoreti	
	lecture					cal	
						4-	
						Practica	
+Quiz	Understan	a-Central tren	nd	Unda	erstand	2-	4
Attendance	d the	measurements. (N			lecture	Theoreti	7
	lecture	Artithmetic mea				cal	
		Aruunneut mea	u11 <i>)</i> •			4-	
			_				

				Practica	
+Quiz	Understan	b- Dispersion Measurements.	Understand	2-	
Attendance	d the	Quartiles. Deciles.	the lecture	Theoreti	
11000 110001100	lecture	Percentiler. Mean Deviation.		cal	
		Standard Deviation.		4-	
				Practica	
		Variance.		l	
+Quiz	Understan	Range. Root mean square.	Understand	2-	
Attendance	d the	Interquartile range. Quartile	the lecture	Theoreti	
	lecture	Deviation. Coefficient of		cal 4-	
		veriation. Coefficient of		Practica	
		Quartile. Standardized veriable		1 1 1 1 1	
		(Standard scores).		-	
+Quiz	Understan	c-Coefficient of skewness.	Understand	2-	
Attendance	d the	Coefficient of Momental	the lecture	Theoreti	
	lecture	skewness. Preson's first		cal	
		coefficient of skewness.		4-	
		Quartile coefficient of		Practica	
		skewness.		1	
+Quiz	Understan	d- Coefficient of kurtsis.	Understand	2-	
Attendance	d the	Coefficient of momental	the lecture	Theoreti	
	lecture	kurtosis.		cal	
				4- D 4:	
				Practica	
+Quiz	Understan	Probability. Introduction.	Understand	2-	
Attendance	d the	Definitions - Definition of	the lecture	Theoreti	
11tte naunce	lecture	Probability. Probability	the lecture	cal	
	10 000110	· ·		4-	
		theorems.		Practica	
				l	
+Quiz	Understan	- Conditional Prob. Mutanlly	Understand	2-	
Attendance	d the	exclusive. Independence.	the lecture	Theoreti	
	lecture	Ranges theorem.		cal 4.	
				Practica	
				l	
+Quiz	Understan	Sampling Distribution.	Understand	2-	
Attendance	d the	2	the lecture	Theoreti	
	lecture			cal	
				4-	
				Practica	
	***		* • • •	1	
+Quiz	Understan	Estimation. Summary of	Understand	2-	
Attendance	d the lecture	confidence interval.	the lecture	Theoreti cal	
	iecture			4-	
				Practica	

			I		, [
+Quiz	Understan	Summary of significant tes	sts.	Understand	2-	13
Attendance	d the	, ,		the lecture	Theoreti	
	lecture				cal	
					4-	
					Practica	
	T T 1	T 4° 6 41 1		TT 1	1	
+Quiz Attendance	Understan d the	Testing for the value		Understand the lecture	2- Theoreti	14
Attendance	lecture	specified parameter((S).	the lecture	cal	
	iecture				4-	
					Practica	
					l	
+Quiz	Understan	Analysis of variance	One	Understand	2-	15
Attendance	d the	·		the lecture	Theoreti	
	lecture	way classification	n		cal	
		Two-way classification with	h one		4-	
		observation per cell.			Practica	
		observation per cen.			I	
		Two – way classification wit	th (r).			
		observation per cell.				
		Multiple comparisons	(A-			
		ANOVA).				
			•	Cours	e evaluatior	1 . Y
		Attendance, partic	ipation,	peer evaluatio	n, weekly re	ports
				ing and teachin		
. Khashi Mahm	oud Al-Rawi,	Introduction to Statistics,	Re quire d	textbooks (me	thodology, i	if any)
	4137 11	Mosul University Press1989				
		adani, Amir Hanna Hormuz,				
tistics, Dar Al		ctorate for Printing and				
Khashi Mahm		Shing, Baghdad Printing 1989 Introduction to Statistics,		Main rafa	erences (soi	irces)
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Course description form						
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Identify the medic				Obje	ctives of the	e study subject
owledge of gas		1 0				
		esthesia devices				
owledge of p	ressure lav	vs and their applications				
		applications		Teaching and	learning sti	rategies .9
e oretical and prac	ctical laborate	orv methods, hos	pitals, lectu	res, photo and vi		The strategy
_		-	-	en discussion meth		9 ,
					Co	urse structure.
Evaluation	Learning	Name of the un	nit or topic	Required	hours	the week
method	method			learning		
A -41	The same 42 and			outcomes	2	1
Actual theoretical	Theoretica l material	Drugs us	ed in	Understand the lecture	2- Theoreti	1
tests - practical	- practical	premedic		the lecture	cal	
tests in	laboratori	•			4-	
laboratories	es within				Practical	
	the					
	anesthesia					
	laboratory					
	and the					
	operating					
Actual	room Theoretica			Understand	2-	2
theoretical	l material			the lecture	Theoreti	<i>_</i>
tests - practical	- practical	Drugs use		inc recture	cal	
tests in	laboratori	premedica	tion		4-	
laboratories	es within				Practical	
	the					
	anesthesia					

	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretica		Understand	2-	3
theoretical	l mate rial	Drugs used in	the lecture	Theoreti	
tests - practical	- practical			cal	
tests in	laboratori	premedication		4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretica		Understand	2-	4
theoretical	l mate rial	Positioning & problems	the lecture	Theoreti	
tests - practical	- practical	Positioning & problems		cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretica	Positioning & problems.	Understand	2-	5
theoretical	l mate rial	8 11	the lecture	Theoreti	
tests - practical	- practical			cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretica	CPR & respiratory failure	Understand	2-	6
theoretical	l mate rial	r start g	the lecture	Theoreti	-
tests - practical	- practical		0210 10 0002 0	cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretica		Understand	2-	7
		CDD 0			,
theoretical	i materiai	CPR & respiratory	me ieciure i	Ineoreu	
tests - practical	l material - practical	CPR & respiratory failure	the lecture	Theoreti cal	

tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretica		Understand	2-	8
theoretical	l material	IVF types & uses.	the lecture	Theoreti	
tests - practical	- practical	TVT types & uses.		cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretica		Understand	2-	9
theoretical	l material		the lecture	Theoreti	
tests - practical	- practical	IVF types & uses.		cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretica		Understand	2-	10
theoretical	l mate rial	IVF types & uses	the lecture	Theoreti	
tests - practical	- practical			cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretica		Understand	2-	11
theoretical	l mate rial	IVF types & uses.	the lecture	Theoreti	
tests - practical	- practical			cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	operating				

	room				
Actual	Theoretica		Understand	2-	12
theoretical	l material	IVF types & uses.	the lecture	Theoreti	
tests - practical	- practical	• •		cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretica		Understand	2-	13
theoretical	l mate rial	Safety measures in	the lecture	Theoreti	
tests - practical	- practical	theatre amaking		cal	
tests in	laboratori	theatre, smoking		4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
<u> </u>	room		** * *		
Actual	Theoretica	Safety measures in	Understand	2-	14
theoretical	l material	theatre, Drugs allergic	the lecture	Theoreti	
tests - practical	- practical	reaction		cal	
tests in	laboratori			4-	
laboratories	es within			Practical	
	the				
	anesthesia				
	laboratory				
	and the				
	ope rating room				
Actual	Theoretica	Safety measures in	Understand	2-	15
theoretical	l material	theatre, Drugs allergic	the lecture	Theoreti	15
tests - practical	- practical	reaction	the lecture	cal	
tests in	laboratori	10ucion		4-	
laboratories	es within			Practical	
in or in or it is	the			1 10000000	
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
	L			Course	valuation \

Course evaluation . \

the audience Share Peer evaluation Weekly reports

Weekly reports
Learning and teaching resources .\

4

Pequipment anesthesia Essential Baha	Required textbooks (methodology, if any)
hake anesthesia equipment Basic miller of	
anesthesia Morgan and Mikhails	
	Main references (sources)
Other book of clinical anesthesiology	
Anesthesia and analgesia journal	Recommended supporting books and references
british journal of anesthesia	(scientific journals, reports)
Pubmed	Electronic references, Internet sites
Google scholar	
Web of sciences	
Embase	
Other	

		Course description	form		
				Course	Name .\
				Pha	armacology2
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Nam	ie of the cou	`	e: Dr. Saad Sali		
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			C	ourse obj	ectives .^
	Learn al	bout pharmacology and i			
		dying various types and f			tudy subject
entify the the	rapeutic eff	fect in treating diseases	of various bo	dy	
			syste	ems	
	Ident	ify side effects and therap			
			eaching and lea		
		rm of files and video le	•		The strategy
nding video clij	ps from the	Internet, as well as appli	cation in hospit	•	
Evaluation	Lagraina	Name of the unit or	Doggingd		rse structure.
method	method	name of the unit or topic	Required learning	nours	the week
nictiou	memou	topic	outcomes		
Actual	Theoreti		Understand	2-	1
theoretical	cal	Drugs action of	the lecture	Theore	_
tests - practical	subject	nervous system		tical	
tests in laboratories	· ·			4-	
laboratories				Practic	
				al	
Actual	Theoreti	Skeletal muscle	Understand	2-	2
theoretical tests - practical	cal	relaxants	the lecture	Theore	
tests - practical	subject			tical	
laboratories				4-	
				Practic	

				al	
Actual	Theoreti		Understand	2-	3
theoretical	cal	Local anesthetics	the lecture	Theore	
tests - practical	subject			tical	
tests in laboratories				4-	
laboratories				Practic	
				al	
Actual	Theoreti	General anesthetics	Understand	2-	4
theoretical	cal		the lecture	Theore	
tests - practical	subject			tical	
tests in	J			4-	
laboratories				Practic	
				al	
Actual	Theoreti	General anesthetics	Understand	2-	5
theoretical	cal	0	the lecture	Theore	
tests - practical	subject			tical	
tests in	subject			4-	
laboratories				Practic	
				al	
Actual	Theoreti	Hypotonic and	Understand	2-	6
theoretical	cal	sedative drugs	the lecture	Theore	U
tests - practical	subject	scuative drugs	the lecture	tical	
tests in	Subject			4-	
laboratories				Practic	
				al	
Actual	Theoreti	Hypotonic and	Understand	2-	7
theoretical		<u> </u>	the lecture	Theore	/
tests - practical	cal	sedative drugs	the lecture		
tests in	subject			tical	
laboratories				4-	
				Practic	
Actual	771- o o mo42	Andingrah of a and and	Timed areatons al	al 2-	8
theoretical	Theoreti	Antipsychotic and anti	Understand	_	ð
tests - practical	cal	anxiety drugs.	the lecture	Theore	
tests in	subject			tical	
laboratories				4-	
				Practic	
A	FETT			al	
Actual theoretical	Theoreti	Antiparkinson drugs	Understand	2-	9
tests - practical	cal		the lecture	Theore	
tests in	subject			tical	
				4-	
laboratories				- 1	
				Practic al	

Actual	Theoreti			Understand	2-	10
theoretical	cal	Antiepileptic o	drug	the lecture	Theore	
tests - practical tests in	subject				tical	
laboratories					4-	
laboratories					Practic	
					al	
Actual	Theoreti			Understand	2-	11
theoretical	cal	Narcotic, (opi	ioid)	the lecture	Theore	
tests - practical	subject	analgesic.			tical	
tests in	3	8			4-	
laboratories					Practic	
					al	
Actual	Theoreti			Understand	2-	12
theoretical	cal	IVF types & ı	uses.	the lecture	Theore	
tests - practical	subject	. .		the lecture	tical	
tests in	subject				4-	
laboratories					Practic	
					al	
Actual	Theoreti			Understand	2-	13
theoretical	cal	CNS stimula	ants	the lecture	Theore	13
tests - practical	subject	OI (S Stillian		the lecture	tical	
tests in	Subject				4-	
laboratories					Practic	
					al	
Actual	Theoreti	Drug interac	tion	Understand	2-	14
theoretical	cal	Drug interac		the lecture	Theore	17
tests - practical	subject			the lecture	tical	
tests in	subject				4-	
laboratories					Practic	
					al	
Actual	Theoreti	Antiseptio	20	Understand	2-	15
theoretical	cal	disinfectan		the lecture	Theore	13
tests - practical	subject	uisiiitettaii	113.	the lecture	tical	
tests in	Subject				4-	
laboratories					Practic	
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Pharmacolo	gy-Lippino	cone	Kequ	uired textbooks		
Clinical Pha	rmacology	made incredibly		Mai	ın reterenc	ces (sources)
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easy 3rd ed.	
Bertram G. Katzung MD, PhD San Francisco December, 2011	
Scientific journals	Recommended supporting books and references (scientific journals, reports)
Internet sites	Electronic references, Internet sites

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		r, the student should be able to d				
ougn a comprend		nation and attempt to diagnose tl ting the process of administering			sui	bject
	before star	ting the process of administering	Teaching and le		ategies	. 9
		Lectures, laboratories, hospita			The stra	
		, ,	, , ,		urse struc	
Evaluation	Learning	Name of the unit or topic	Required	hours	the v	veek
method	method		learning			
A -41	The second is	Disagge of the kidney	outcomes	2		1
Actual theoretical	Theoretic al subject	Diseases of the kidney / introduction major	Understand the lecture	2- Theoreti		1
tests -	ai subject	manifestations /	the lecture	cal		
practical tests		investigations		4-		
in				Practica		
laboratories				1		
Actual	Theoretic	Hematology/ introduction /	Understand	2-		2
theoretical	al subject	major manifestations/ .investigations	the lecture	Theoreti		
tests -		.investigations		cal 4-		
practical tests in				4- Practica		
laboratories				l		
Actual	Theoretic	Hematology/ introduction /	Understand	2-		3
theoretical	al subject	major manifestations/	the lecture	Theoreti		
tests -		investigations.		cal		
practical tests				4-		
in				Practica		
laboratories	The are 42.	Anemia/ Introduction/	IImdom-4 1	1		
Actual theoretical	Theoretic	major monofestation	Understand the lecture	2- Theoreti		4
tneoreticai tests -	al subject	classification	the lecture	r neore u cal		
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practical tests	.investigations	4-	
in		Practica	
laboratories		1	
Actual Theoretic Ar	nemia/ Introduction/ Understand	d 2-	5
theoretical al subject	major monifestation the lecture	e Theoreti	
tests - classin	fication.investigatio	cal	
practical tests	n	4-	
in		Practica	
laboratories		1	
	ses of the endocrine Understand	d 2-	6
theoretical al subject	.gland/ introduction the lecture	e Theoreti	
tests -		cal	
practical tests		4-	
in		Practica	
laboratories		1	
	ses of the endocrine Understand	d 2-	7
theoretical al subject	.gland/ introduction the lecture	e Theoreti	
tests -		cal	
practical tests		4-	
in		Practica	
laboratories		l	
Actual Theoretic Diseases of	of connective tissues Understand	d 2-	8
theoretical al subject	and Rheumatology/ the lecture	e Theoreti	
tests -	introduction/major	cal	
practical tests	manifestations/	4-	
in		Practica	
laboratories		1	
Actual Theoretic	investigations Understand		9
theoretical al subject	the lecture	e Theoreti	
tests -		cal	
practical tests		4-	
in		Practica	
laboratories		1	
	of connective tissues Understand		10
theoretical al subject	and Rheumatology/ the lecture		
tests -	introduction/major	cal	
practical tests	manifestations/	4-	
in		Practica	
laboratories	investigations T	1	
Actual Theoretic	investigations Understand		11
	the lecture		
theoretical al subject		cal	
tests -			
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tests - practical tests in laboratories	aior manifestations/	4- Practica l	12
tests - practical tests in laboratories Actual Theoretic M	ajor manifestations/ .investigations Understand	Practica 1 d 2-	12
tests - practical tests in laboratories Actual theoretic al subject	ajor manifestations/ .investigations Understand the lecture	Practica l d 2-te Theoreti	12
tests - practical tests in laboratories Actual theoretical tests - M M Actual theoretical al subject	inere ation tions	Practica 1 d 2- e Theoreti cal	12
tests - practical tests in laboratories Actual theoretical al subject tests - practical tests	inere ation tions	Practica 1 d 2- Theoreti cal 4-	12
tests - practical tests in laboratories Actual theoretical tests -	inere ation tions	Practica 1 d 2- e Theoreti cal	12

Actual	Theoretic	Principles of criti	ical care	Understand	2-	13
theoretical	al subject	medicine major manif		the lecture	Theoreti	
tests -			of critical		cal	
practical tests		.illness/ shoc	k/ sepsis		4-	
in					Practica	
laboratories					l	
Actual	Theoretic	Principles of criti		Understand	2-	14
theoretical	al subject	medicine major manif		the lecture	Theoreti	
tests -			of critical		cal	
practical tests		.illness/ shoc	k/ sepsis		4-	
in					Practica	
laboratories					l	
Actual	Theoretic	Specific forms		Understand	2-	15
theoretical	al subject	failure(Multip	_	the lecture	Theoreti	
tests -		failure/ ARDS/D			cal	
practical tests		.)hepat	ic failure		4-	
in					Practica	
laboratories					l	
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D 11 / D 1				Learning and		
Davidson's Prii	nciples and P	Practice of Medicine-		Required textbo	oks (metho	dology, if any)
		23 Edition			.	
		Emergency medicine.				nces (sources)
Sc	Scientific journals Recommended supporting books and referen					
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					2/29/2024
			Available a	atte ndance	forms .°
				My pre	
		Number of study hou	ırs (total)/numb	er of units	رtotal) ۲
			130	hours – 4 c	
	N	Name of the course administrator (if mo	ore than one nar	ne is menti	oned) . ^v
		Name	e: Dr. Qasim Mu	uhammad I	Email:
			C	ourse obje	ctives .^
definition and	introducti	ion to the importance of applied phy			
		ody's systems - understanding the effect			study subject
		ystems - how to act during emergency			,
	•	to act with medical conditions associa			
			Feaching and lea		tegies .9
		Lectures, laboratories, hospita			The strategy
		,	, ,		rse structure.
Evaluation	Learni	Name of the unit or topic	Required	hours	the week
method	ng	•	learning		
	metho		outcomes		
	d				
Actual	Theore	Autonomic control on CVS	Understand	2-	1
theoretical	tical		the lecture	Theoreti	
tests -	subject			cal	
practical				4-	i
I 44 • .					
tests in				Practica	
laboratories				Practica l	
laboratories Actual	Theore	Starlings law of the heart.	Understand	Practica l 2-	2
laboratories Actual theoretical	tical	Starlings law of the heart.	Understand the lecture	Practica l	2
laboratories Actual theoretical tests -		Starlings law of the heart.		Practica 1 2- Theoreti cal	2
laboratories Actual theoretical tests - practical	tical	Starlings law of the heart.		Practica 1 2- Theoreti cal 4-	2
laboratories Actual theoretical tests - practical tests in	tical	Starlings law of the heart.		Practica 1 2- Theoreti cal	2
laboratories Actual theoretical tests - practical tests in laboratories	tical subject	J	the lecture	Practica 1 2- Theoreti cal 4- Practica	
laboratories Actual theoretical tests - practical tests in laboratories Actual	tical subject Theore	Starlings law of the heart. Starlings law of the heart.	the lecture Understand	Practica 1 2- Theoreti cal 4- Practica 1	3
laboratories Actual theoretical tests - practical tests in laboratories Actual theoretical	tical subject Theore tical	J	the lecture	Practica 1 2- Theoreti cal 4- Practica 1 2- Theoreti	
laboratories Actual theoretical tests - practical tests in laboratories Actual theoretical tests -	tical subject Theore	J	the lecture Understand	Practica 1 2- Theoreti cal 4- Practica 1 2- Theoreti cal	
laboratories Actual theoretical tests - practical tests in laboratories Actual theoretical tests - practical	tical subject Theore tical	J	the lecture Understand	Practica 1 2- Theoreti cal 4- Practica 1 2- Theoreti cal 4-	
laboratories Actual theoretical tests - practical tests in laboratories Actual theoretical tests - practical tests in	tical subject Theore tical	J	the lecture Understand	Practica 1 2- Theoreti cal 4- Practica 1 2- Theoreti cal	
laboratories Actual theoretical tests - practical tests in laboratories Actual theoretical tests - practical	tical subject Theore tical	J	the lecture Understand	Practica 1 2- Theoreti cal 4- Practica 1 2- Theoreti cal 4-	

theoretical	tical	& aorta during the cardiac cycle.	the lecture	Theoreti	
tests -	subject			cal	
practical				4-	
tests in				Practica	
laboratories				l	
Actual	Theore	Pressure change in Rt.	Understand	2-	5
theoretical	tical	Ventricle & pulmonary artery	the lecture	Theoreti	
tests -	subject	during the cardiac cycle.		cal	
practical				4-	
tests in				Practica	
laboratories				l	
Actual	Theore	Starlings law of the capillaries.	Understand	2-	6
theoretical	tical		the lecture	Theoreti	
tests -	subject			cal	
practical				4-	
tests in				Practica	
laboratories				l	
Actual	Theore	Excitation – contraction coupling.	Understand	2-	7
theoretical	tical		the lecture	Theoreti	
tests -	subject			cal	
practical				4-	
tests in				Practica	
laboratories				l	
Actual	Theore	Effect of tachycardia, tachycardia	Understand	2-	8
theoretical	tical	+ hypotension, tachycardia +	the lecture	Theoreti	
tests -	subject	hypotension-blood loss on the		cal	
practical		CVS		4-	
tests in				Practica	
laboratories				1	
Actual	Theore	Critical pressure closing	Understand	2-	9
theoretical	tical	phe nome non.	the lecture	Theoreti	
tests -	subject			cal	
practical				4-	
tests in				Practica	
laboratories				1	
Actual	Theore		Understand	2-	10
theoretical	tical	Blood distribution in to vital organ	the lecture	Theoreti	
tests -	subject			cal	
practical				4-	
tests in				Practica	
laboratories				1	
Actual	Theore		Understand	2-	11
theoretical	tical	General knowledge-struction,	the lecture	Theoreti	
tests -	subject	type of IV fluid- clinical		cal	
practical		· -		4-	
tests in		application.		Practica	
laboratories	TEN .		** • =	1	
Actual	Theore		Understand	2-	12
theoretical	tical	Hb. Dissociation – Association	the lecture	Theoreti	
tests -	subject	curves.		cal	
practical				4-	

tests in					Practica	
laboratories					1	
Actual	Theore		Und	erstand	2-	13
theoretical	tical	O2 flux+pre-oxygenation in	the	lecture	Theoreti	
tests -	subject	anesthesia, why increase FIO2			cal	
practical		anestnesia, why increase 1102			4-	
tests in					Practica	
laboratories					l	
Actual	Theore			erstand	2-	14
theoretical	tical	Cyanosis, pallor sign.	the	lecture	Theoreti	
tests -	subject				cal	
practical					4-	
tests in					Practica	
laboratories					l	
Actual	Theore			erstand	2-	15
theoretical	tical	Meaning of cyanosis, pallor for	the	lecture	Theoreti	
tests -	subject	the anaesthetist.			cal	
practical					4-	
tests in					Practica	
laboratories					l	
	_				Course ev	
Exams, writin	g and pro	esenting reports and research, scien	itific dis	cussion	s, attendar	_
						activities
	4.5.1				teaching re	
0.0		iples of Physiology for the Anaesthe		iired tex	tbooks (me	thodology, if
		iew of Medical Physiology 24th edit				any)
3-Arora, D	RTextbo	ook of Microbiology for dental stude				
		3rd ed. 20	12.		• •	
1 Applied Dby	zciology ir	n Respiratory Mechanics2-Essential of	f Call	M	ain referen	ces (sources)
1-Applied I hy	siology II	Biology. 3rd ed., Albert Bary et al., 2				
		Diology. Stu eu., Albert Bary et al., 2	2010.			
	9	cientific journals	1	Recomm	andad	supporting
	3	cientine journais				es (scientific
				ouns all		s, reports)
1	Internet s	ites and electronic library	P (tronic r		Internet sites
		and the contract of the same o	Ε`	one I	212121120591	THE SILES

				Course Na	ne
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			Date this descri	puon was prepar	29/2
			A vailahla	e attendance for	
			Availabil	My preser	_
		Number of stud	ly hours (total)/num		-
		Trainer of Star	y nours (cotal)/num	240 hou	
	Name of	the course administrator	(if more than one n		_
				Name: Ema	
				Course objective	es
At the end of the a	cademic year, the	e student will be able to: -	Ob	jectives of the stu	dy su
Use all different	anesthesia dev	vices. Maintenance and			
maintenance of all	anesthesia equip	ment. Identify all parts of			
		ia and their techniques.			
medical equipment	docum ancomes	a and their teeriniques.			
			7 5 1: 1:		<u> </u>
			Teaching and	learning strateg	
Practical mathe	nds theoretics	Imathods hospitals as		h	es stra
		l methods, hospitals, as	s well as clarificati	on	
methods, educa	ational videos,	as well as open discus	s well as clarificati sion methods, wit	on h tests	
methods, educa	ational videos,	_	s well as clarificati sion methods, wit	on h tests cysts.	stra
methods, educa	ational videos, ad of the lectur	as well as open discus e, and also a method f	s well as clarificati sion methods, wit or displaying the c	on h tests cysts.	struc
methods, education	ational videos, and of the lectur Learning	as well as open discuste, and also a method for a method	s well as clarification methods, with or displaying the control of	on h tests cysts.	stra
methods, educa	ational videos, ad of the lectur	as well as open discus e, and also a method f	s well as clarification methods, with or displaying the control Required learning	on h tests cysts.	struc
methods, education	ational videos, ad of the lectur Learning method	as well as open discusce, and also a method for a method for a method for topi Assessment of patients before	s well as clarification methods, with or displaying the correction of the correction	on h tests cysts.	struc
methods, education method	ational videos, and of the lectur Learning	as well as open discus re, and also a method for Name of the unit o	s well as clarification methods, with or displaying the correction of the correction	on h tests eysts. Course hours	struc
methods, educate placed at the enterplaced at the e	Lecture	as well as open discusce, and also a method for a method for a method for topi Assessment of patients before	r Required learning outcomes Understand	on h tests eysts. Course hours	struc
Evaluation method Actual theoretical	Learning method Lecture given	as well as open discusce, and also a method for a method for a method for topi Assessment of patients before	r Required learning outcomes Understand	on h tests eysts. Course hours	struc
Evaluation method Actual theoretical tests - practical	Learning method Lecture given Practical application in the	as well as open discusce, and also a method for a method for a method for topi Assessment of patients before	r Required learning outcomes Understand	on h tests eysts. Course hours	struc
Evaluation method Actual theoretical tests - practical tests in laboratories	Learning method Lecture given Practical application in the laboratory	as well as open discusce, and also a method for a method for the unit of topi Assessment of patients before an aesthesic	r Required learning outcomes Understand the lecture	on h tests cysts. Course hours 7	struc
Evaluation method Actual theoretical tests - practical tests in laboratories Actual	Learning method Lecture given Practical application in the laboratory Lecture	as well as open discusce, and also a method for a method for a method for topi Assessment of patients before	r Required learning outcomes Understand Understand	on h tests eysts. Course hours	struc
Evaluation method Actual theoretical tests - practical tests in laboratories Actual theoretical	Learning method Lecture given Practical application in the laboratory Lecture given and	as well as open discusce, and also a method for a method for the unit of topi Assessment of patients before an aesthesic	r Required learning outcomes Understand the lecture	on h tests cysts. Course hours 7	struc
Evaluation method Actual theoretical tests - practical tests in laboratories Actual theoretical tests - practical tests - practical tests in laboratories	Learning method Lecture given Practical application in the laboratory Lecture given and practical	as well as open discusce, and also a method for a method for the unit of topi Assessment of patients before an aesthesic	r Required learning outcomes Understand Understand	on h tests cysts. Course hours 7	struc
Evaluation method Actual theoretical tests - practical tests in laboratories Actual theoretical tests in laboratories	Learning method Lecture given Practical application in the laboratory Lecture given and practical application	as well as open discusce, and also a method for a method for the unit of topi Assessment of patients before an aesthesic	r Required learning outcomes Understand Understand	on h tests cysts. Course hours 7	struc
Evaluation method Actual theoretical tests - practical tests in laboratories Actual theoretical tests - practical tests - practical tests in laboratories	Learning method Lecture given Practical application in the laboratory Lecture given and practical	as well as open discusce, and also a method for a method for the unit of topi Assessment of patients before an aesthesic	r Required learning outcomes Understand Understand	on h tests cysts. Course hours 7	struc

		1		
Actual	Lecture	Anaesthesia agents (Intra	Understand	7
theoretical	given	venous)	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture	Anaesthesia agents	Understand	7
theoretical	given	(Inhalational)	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture	Anaesthesia for obstetric &	Understand	7
theoretical	given	gynecology	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture	Anaesthesia for paediatric	Understand	7
theoretical	given	surgery & ABGAR score	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture	Anaesthesia fro geriatric	Understand	7
theoretical	given	surgery	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture	Anaesthesia for obese patients	Understand	7
theoretical	given		the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture	Regionalanesthesia	Understand	7
theoretical	given		the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for ENT	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for ENT	the lecture	
tests - practical	J			
				

			T	
tests in	Practical			
laboratories	application			
	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for ENT	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for ophthalmic	the lecture	
tests - practical	Practical	surgery& Endoscopic surgery		
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for orthopedic	the lecture	
tests - practical	Practical	surgery		
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for orthopedic	the lecture	
tests - practical	Practical	surgery		
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for orthopedic	the lecture	
tests - practical	Practical	surgery		
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for urinary	the lecture	
tests - practical	Practical	surgery		
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for thoracic	the lecture	
tests - practical	Practical	surgery		
tests in	application			
laboratories	in the			
,	laboratory			
Actual	Lecture	Amoretheete 6: 41	Understand	7
theoretical	given	Anaesthesia for thoracic	the lecture	
tests - practical	Practical	surgery		
tests in	application			
laboratories				
				ll l

	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Anaesthesia for thoracic	the lecture	
tests - practical	Practical	surgery		
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Day surgery	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Day surgery	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Day surgery	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
	laboratory			
Actual	Lecture	D	Understand	7
theoretical	given	Recovery & complication	the lecture	
tests - practical	Practical			
tests in	application			
laboratories	in the			
Astrol	laboratory		I In do not on d	7
Actual theoretical	Lecture	Recovery & complication &	Understand the lecture	7
	given Practical	infant resuscitation	the lecture	
tests - practical tests in				
laboratories	application in the			
laboratories	laboratory			
Actual	Lecture		Understand	7
theoretical	given	Induced hypotension	the lecture	'
tests - practical	Practical		the lecture	
tests in	application			
laboratories	in the			
laboratories	laboratory			
Actual	Lecture	 	Understand	7
theoretical	given	CPR	the lecture	′ ∥
tests - practical	Practical			
tests in	application			
laboratories	in the			
in olutories	laboratory			
	impointui	<u> </u>		

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory		CPR	Understand the lecture	7	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory		CPR	Understand the lecture	7	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Emergency condit	ions	Understand the lecture	7	3
					Course evalu	
					the	audie S
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					d teaching reso	
		al anesthesiology		I	Main reference	s (soui
Anesthesi	a and analges	sia journal British	Reco	ommended suppo		
	journal of a	anesthesia others		(scie	ntific journals, 1	r port
Pubmed(Google schola	r Web of sciences Embase		Electronic	references, Int	ernet s

					_
Actual	Lecture		Understand	1	
theoretical	given	Tongue & oral cavity	the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Oesophagus	Understand	1	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Stomach & duodenum	Understand	1	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Live	Understand	1	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Gall bladder & bile ducts	Understand	1	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application			·	
laboratories	in the				
	laboratory				
Actual	Lecture	Spleen & pancreas	Understand	1	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Small & large intestine	Understand	1	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Intestinal obstruction & fistula	Understand	1	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Vermiform appendix,	Understand	1	
theoretical	given	peritoneum	the lecture	Theoretical	
tests - practical	<u> </u>			3 practical	
1		<u> </u>		- I	1-

		1			1
tests in	Practical	1	ļ	. []	
laboratories	application	1		. []	
	in the	1			
A 4 1	laboratory	Rectum& anus			↓
Actual	Lecture	Rectum anus	Understand	1]'	
theoretical	given	1	the lecture	Theoretical	
tests - practical	Practical	1	ļ	3 practical	
tests in	application	1	ļ		
laboratories	in the]		
	laboratory	Abdominal wall & Hernia			Д
Actual	Lecture	ADDOHIIII wan & Herma	Understand		
theoretical	given	1	the lecture	Theoretical	
tests - practical	Practical	1	ļ	3 practical	
tests in	application	1	ļ		
laboratories	in the	1	ļ		
	laboratory	Brood			┦
Actual	Lecture	Breast	Understand	1 1	
theoretical	given	1	the lecture	Theoretical	
tests - practical	Practical	1	ļ	3 practical	
tests in	application	1	ļ	. []	
laboratories	in the	1	ļ		
	laboratory				╢
Actual	Lecture	Urinary tract: surgical	Understand	1 1	
theoretical	given	anatomy, congenital anomalies, investigations	the lecture	Theoretical	
tests - practical	Practical	unonmuse,	J	3 practical	
tests in	application	1	ļ	. []	
laboratories	in the	1	ļ	. []	
	laboratory			<u> </u>	Щ_
Actual	Lecture	Trauma to the: Kidneys,	Understand	1 1	
theoretical	given	1	the lecture	Theoretical	
tests - practical	Practical	1	ļ	3 practical	
tests in	application	1	ļ	. []	
laboratories	in the	1	ļ	. []	
	laboratory	<u> </u>		<u> </u>	_
Actual	Lecture	Hydronephrosis, urinary	Understand	. 1 '	
theoretical	given	stones	the lecture	Theoretical	
tests - practical	Practical	1	ļ	3 practical	
tests in	application	1	ļ	. []	
laboratories	in the	1	ļ		
	laboratory			<u> </u>	╢
Actual	Lecture	Urinary Tract Infections (UTI)	Understand	1 1	
theoretical	given	1	the lecture	Theoretical	
tests - practical	Practical	1	ļ	3 practical	
tests in	application	1	ļ	. []	
laboratories	in the	1	ļ	. []	
	laboratory				
Actual	Lecture	Urination Disorders	Understand	1	
theoretical	given	1	the lecture	Theoretical	
tests - practical	Practical	1	ļ	3 practical	
-		1	J	. []	
tests in	application	· ·	ľ	·	

	in the				$\overline{}$
	laboratory			ı	
Actual	Lecture	Urinary tumours.	Understand	1	
theoretical	given	1	the lecture	Theoretical	1
tests - practical	Practical		die ieee.	3 practical	1
tests in	application				1
laboratories	in the		ļ	ı	1
M 02 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	laboratory				1
Actual	Lecture	Urogenital Tract in Males:	Understand	1	1
theoretical	given	Prostate, Testis, Penis	the lecture	Theoretical	1
tests - practical	Practical			3 practical	1
tests in	application		ļ	·	1
laboratories	in the			ı	
	laboratory				
Actual	Lecture	Thoraxsurgery: Respiratory	Understand	1	
theoretical	given	Pathophysiology & General review	the lecture	Theoretical	1
tests - practical	Practical	10 7 10 77		3 practical	1
tests in	application				1
laboratories	in the				1
	laboratory			<u> </u>	
Actual	Lecture	Trauma to thorax: Rib	Understand	1	1
theoretical	given		the lecture	Theoretical	1
tests - practical	Practical			3 practical	1
tests in	application		ļ	ı	1
laboratories	in the			ı	
A : 41	laboratory	pneumothorax,	77. 3	·	<u></u>
Actual	Lecture	рисипонова,	Understand	1	
theoretical	given	Haemothorax	the lecture	Theoretical	
tests - practical	Practical application			3 practical	
tests in laboratories	application in the				
ไลมบาลเบาเเร	ln the laboratory			ı	
Actual	Lecture	Pleural Effusion,	Understand	1	\vdash
theoretical	given		the lecture	Theoretical	
tests - practical	Practical		the recture	3 practical	
tests - practical tests in	application			J practical	
laboratories	in the			ı	
140011111111111111111111111111111111111	laboratory			ı	
Actual	Lecture	Chest tube: Applications &	Understand	1	\vdash
theoretical	given	Management	the lecture	Theoretical	
tests - practical	Practical Practical		Unit 10 200	3 practical	
tests in	application				
laboratories	in the				
	laboratory				_
Actual	Lecture	Long tumours, Mediastina	Understand	1	
theoretical	given	masses	the lecture	Theoretical	
tests - practical	Practical			3 practical	
tests in	application			ı	
laboratories	in the			ı	
!	laboratory			·	
		·			

Actual	Lecture	Types of Thoracic opera	ations	Understand	1	2
theoretical	given			the lecture	Theoretical	
tests - practical	Practical				3 practical	
tests in	application				•	
laboratories	in the					
	laboratory					
Actual	Lecture	Congenital heart dis		Understand	1	2
theoretical	given	Acquired heart dis	eases	the lecture	Theoretical	
tests - practical	Practical				3 practical	
tests in	application					
laboratories	in the					
	laboratory					
Actual	Lecture	Cardiopulmonary resusci	tation	Understand	1	3
theoretical	given			the lecture	Theoretical	
tests - practical	Practical				3 practical	
tests in	application					
laboratories	in the					
	laboratory					
					Course evalu	
					the	e audie
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					d teaching reso	
S	inell clinical a	natomy 9 edition		I	Main reference	s (soui
			Reco	ommended suppor	rting books and	refe re
					ntific journals,	
					references, Int	

				Course Na	
				Internal N	
				Course Co	le .
				MIIC	F 2 2
				MUC	
				Semester/ye the first /2	
			Date this descri	ption was prepar	
			Date tins descri	ption was prepar	/29/
			Available	attendance form	_
				Mypreser	ce
		Number of stu	dy hours (total)/nun	,	
				150 hoi	
	Name of t	he course administrator	(if more than one n		
				Name: Ema	il:
8. Course ob	niectives				
o. Course on	Jecuves		Objectives of the stu	dy subject	
At the end of the a	cademic year, the	student should be able to	v	•	
deal with the patier	nt through a compr	ehensive examination and			
·		detail before starting the			
		_			
process of perform	ing general anesth	nesia.			
			Teaching and	learning strategi	_
Dua atia al ma ath	ada thaanatiaa	lmathada haamitala a	a vyall aa alawifiaat	n i	stra
		l methods, hospitals, a			
		as well as open discus			
placed at the el	na of the lectur	re, and also a method f	for displaying the	-	
Evaluation	Laamina	Name of the unit of	Do guino d	Course struc	-
method	Learning method	top		hours	the v
methou	me mou	top.	outcomes		
Actual	Lecture	Jaundice: clas sificatio	n, Understand	2	
theoretical	given	causes, clinical feature diagnos		Theoretical	
tests - practical	Practical	diagnos	DIS	3, Practical	
tests in	application				
laboratories	in the				
Actual	laboratory Jaundice: classification, Understand 2				
theoretical	given and	causes, clinical feature	the lecture	Theoretical	
tests - practical	practical	diagnos	sis the recture	3, Practical	
tests in	application				
laboratories	in the				
	laboratory				
		•			16

		I	T	T	_
Actual	Lecture	Peptic ulcer disease: Duodenal	Understand	2	
theoretical	given	ulcer	the lecture	Theoretical	
tests - practical	Practical			3, Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Peptic ulcer dis ease: Gastric	Understand	2	
theoretical	given	ulcer	the lecture	Theoretical	
tests - practical	Practical			3, Practical	
tests in	application			5,22000000	
laboratories	in the				
laboratories	laboratory				
Actual	Lecture	Renal failure: acute renal	Understand	2	╢
theoretical	given	failure, chronic renal failure:	the lecture	Theoretical	
	Practical	clinical features, investigations	the lecture	3, Practical	
tests - practical		and treatmen		5, Fractical	
tests in	application				
laboratories	in the				
	laboratory	Renal failure: acute renal	TT 7		╢—
Actual	Lecture	failure, chronic renal failure:	Understand	2	
theoretical	given	clinical features, investigations	the lecture	Theoretical	
tests - practical	Practical	and treatment		3, Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Is chemic heart diseases:	Understand	2	
theoretical	given	clinical features, diagnosis, treatment	the lecture	Theoretical	
tests - practical	Practical	treatment		3, Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Arrhythmias: cardiac arrest.	Understand	2	
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			3, Practical	
tests in	application			,	
laboratories	in the				
	laboratory				
Actual	Lecture		Understand	2	1
theoretical	given	Arrhythmias: cardiac arrest	the lecture	Theoretical	
tests - practical	Practical			3, Practical	
tests in	application			- ,	
laboratories	in the				
institution is	laboratory				
Actual	Lecture	 	Understand	2	╢─
theoretical	given	Heart failure: definition,	the lecture	Theoretical	
tests - practical	Practical	classification, causes,	inc icciuit	3, Practical	
tests - practical	application	precipitating factors,		5, 1 factical	
laboratories	in the	investigations, treatment.			
iabulatulies					
A . 4 . T	laboratory	+	TT 3 4 3	2	
Actual	Lecture	Heart failure: definition,	Understand	2	
theoretical	given	classification, causes,	the lecture	Theoretical	
tests - practical		cassification, causes,		3, Practical	-

Actual theoretical tests in laboratories	Practical application in the laboratory Lecture given Practical application in the	precipitating factors, investigation, treatment. Hypertension, definition, types: primary and secondary hypertension. Complications, investigation, treatment	Understand the lecture	2 Theoretical 3, Practical	1
Actual theoretical tests - practical tests in laboratories	laboratory Lecture given Practical application in the laboratory	Hypertension, definition, types: primary and secondary hypertension. Complications, investigation, treatment	Understand the lecture	Theoretical 3, Practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Infections of the respiratory tract, upper respiratory tract infections. Lower respiratory tract infections: pneumonia	Understand the lecture	Theoretical 3, Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Infections of the respiratory tract, upper respiratory tract infections. Lower respiratory tract infections: pneumonia	Understand the lecture	Theoretical 3, Practical]]
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Pulmonary: TB	Understand the lecture	Theoretical 3, Practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Pulmonary: TB	Understand the lecture	Theoretical 3, Practical]
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Chronic obstructive pulmonary disease: chronic bronchitis, emphysema, asthma	Understand the lecture	Theoretical 3, Practical]
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application	Chronic obstructive pulmonary disease: chronic bronchitis, emphysema, asthma.	Understand the lecture	Theoretical 3, Practical]

	in the laboratory				
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Tumors of the lung.	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Tumors of the lung.	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Vascular lung disease.	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Vascular lung disease.	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Respiratory failure: definitions, types and management.	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Respiratory failure: definitions, types and management.	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Diseases of the pleura: pleural effusion: types, causes, investigation, treatment	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Diabetes mellitus: definition/clinical features/complications/treatme nt	Understand the lecture	Theoretical 3, Practical	2

		ı				-11
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Diabetes me definition/cl features/complications/tr	inical	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Cushing syndrome: diag clinical features, investig and trea	ations	Understand the lecture	Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Disturbances of wate electro		Understand the lecture	Theoretical 3, Practical	
				<u>.</u>	Course evalu	tion
					the Peer	audie S valua y rep
				Learning and	teaching resor	
1. Davidson's	-	ractice of Medicine-23 Emergency Medicine.			Main reference	
			Reco	ommended suppoi	rting books and ntific journals, 1	
		Electronic library			references, Int	

Course Name 1.

computer applications

Course Code

MU0533004

Semester/vear

the first /2023-2024

Date this description was prepared

2/29/2024

Available attendance forms

My presence

Number of study hours (total)/number of units (total) 6.

Name of the course administrator (if more than one name is mentioned) 7.

Name: Email:

Course objectives 8.

Knowledge of the components of the calculator, how to enter data, distinguish its types, save and retrieve it, benefit from statistical and educational programs and graphs, conduct applications, and deal with commands on the computer.

Objectives of the study subject

The s

Teaching and learning strategies

Practical methods, theoretical methods, as well as clarification methods, educational videos, and open discussion methods, with tests placed at the end of the lecture.

.Course structure	e				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	he w
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Introduction of spss	Understand the lecture	Theoretical 1, Practical	1
Short exam, surprise exam and daily activity	Lecture given and practical application in the laboratory	Variable view and Data view	Understand the lecture	Theoretical 1, Practical	2

Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Transformation and analysis	Understand the lecture	Theoretical 1, Practical	3
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	descriptive statistic Frequencies	Understand the lecture	2 Theoretical 1, Practical	4
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Mean and median	Understand the lecture	Theoretical 1, Practical	5
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	summary	Understand the lecture	2 Theoretical 1, Practical	6
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	compare means correlated regression	Understand the lecture	Theoretical 1, Practical	7
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Variance and standard deviation	Understand the lecture	Theoretical 1, Practical	8
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Non-parametric test	Understand the lecture	Theoretical 1, Practical	9
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Summarize (cross tabs) Custom tables (basic table)	Understand the lecture	2 Theoretical 1, Practical	10
Short exam, surprise exam	Lecture given	Summarize (cross tabs), custom tables (Basic	Understand the lecture	2 Theoretical 1, Practical	11

Short exam, surprise exam and daily activity	Practical application in the laboratory Lecture given Practical application in the laboratory	tables), Anova Models	Understand the lecture	2 Theoretical 1, Practical	12
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Summarize (cross tabs), custom tables (Basic tables), Anova Models (one - way), non parametic methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).	Understand the lecture	Theoretical 1, Practical	13
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Summarize (cross tabs), custom tables (Basic tables), Anova Models (one - way), non parametic methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).	Understand the lecture	2 Theoretical 1, Practical	14

Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Summarize (cross tabs), custom tables (Basic tables), Anova Models (one - way), non parametic methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).	Understand the lecture	Theoretical 1, Practical	15
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Encyclopedia of human body	Understand the lecture	2 Theoretical 1, Practical	16
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Encyclopedia of human body	Understand the lecture	Theoretical 1, Practical	17
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Encyclopedia of human body	Understand the lecture	2 Theoretical 1, Practical	18
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Encyclopedia of human body	the lecture	Theoretical 1, Practical	19
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Show	Understand the lecture	Theoretical 1, Practical	20
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Body works Health & Fitness Living Lessons	Understand the lecture	Theoretical 1, Practical	21

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Short exam,	Lecture	Body works Health &	Understand	2	22
surprise exam	given	Fitness Living Lessons	the lecture	Theoretical	
and daily	Practical			1, Practical	
activity	application				
	in the				
	laboratory				
Short exam,	Lecture	Body works Health &	Understand	2	23
surprise exam	given	Fitness Living Lessons	the lecture	Theoretical	
and daily	Practical			1, Practical	
activity	application				
	in the				
Classic	laboratory		TT . I I		1 24
Short exam,	Lecture		Understand	2	24
surprise exam	given Practical	Body works Health &	the lecture	Theoretical	
and daily		Fitness Living Lessons		1, Practical	
activity	application in the				
	laboratory				
Chart axam	Lecture	Pody works Hoalth 9.	Understand	2	25
Short exam, surprise exam	given	Body works Health & Fitness Living Lessons	the lecture	Theoretical	45
and daily	Practical	ridiess Living Lessons	ine recture	1, Practical	
activity	application			1, Fractical	
activity	in the				
	laboratory				
Short exam,	Lecture	Body works Health &	Understand	2	26
surprise exam	given	Fitness Living Lessons	the lecture	Theoretical	
and daily	Practical	Title33 Living Le330113		1, Practical	
activity	application			1,11ucticus	
	in the				
	laboratory				
Short exam,	Lecture	Body works Health &	Understand	2	27
surprise exam	given	Fitness Living Lessons		Theoretical	
and daily	Practical			1, Practical	
activity	application			,	
•	in the				
	laboratory				
Short exam,	Lecture	Body works Health &	Understand	2	28
surprise exam	given	Fitness Living Lessons	the lecture	Theoretical	
and daily	Practical	-		1, Practical	
activity	application				
	in the				
	laboratory				
Short exam,	Lecture	Body works Health &	Understand	2	29
surprise exam	given	Fitness Living Lessons	the lecture	Theoretical	
and daily	Practical			1, Practical	
activity	application				
	in the				
	laboratory				_
Short exam,	Lecture	Body works Health &	Understand	2	30
	given	Fitness Living Lessons	the lecture	Theoretical	
surprise exam	given	Titiless biving bessons	the lecture	1, Practical	

and daily	Practical				
activity	application				
	in the				
	laboratory				
11. Course eva	luation				
the audience					
Share					
Peer evaluation					
Weekly reports	~ . · ·				
	nd teaching reso		1 3 6 .	9 (
	, ,	PSS 16.0 advanced	Man	n references (sou	rces)
		nion. Prentice Hall			
Press. Morgan.	, GA, Barrett, 1	KC, Leech, NL, &			
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Gloeckn	ner, G. W. (201	19). IBM SPSS for			
		and interpretation.			
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		110411045			
			Rec	ommended suppo	rting books and r
Scientific journal	ls			entific journals, re	_
Electronic libra				etronic references.	
Licentine nora	пу			Mome references,	, Internet sites
			<u> </u>		

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1. Course N	lame			
Anesthesia equi	pment technique	es2		
2. Course C	ode			
				MU(5
3. Semester	/year			
the first /2023-2	024			
	description was	prepared		
2/29/2024				
	attendance for	ns		
My prese				
	<u> </u>	total)/number of units (t	otal)	
210 hours				
		nistrator (if more than o	one name is mentione	ed)
Name: En	man:			
8. Course of	niectives			
	Y	medical devices used in	Objectives of the stu	dv subiect
	To introduce an	medical devices doed in	.	., ,
anesthesia				
Specific objective	es: The student w	ill be able to		
Use of all differer	nt anesthesia dev	ices		
Maintaining and i	naintaining all an	esthesia devices		
Identify all parts of	of medical device:	s used in anesthesia and		
their techniques.				
9. Teaching	and learning st	rategies		
Dreatical math	ada thaoratica	lmathada aa wall aa c	Jarification matha	do
		l methods, as well as c		
	leos, and open	discussion methods, v	with tests placed at	tne end of
the lecture.				
.Course structur				
Evaluation	Learning	Name of the unit or	Required	hours
method	method	topic	learning	

.Course structur	Course structure						
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	he v		
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the	Breathing systemand their component, definition, classification, working principle	Understand the lecture	7	1		

	anesthesia laboratory and the operating room				
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Breathing systemand their component, definition, classification, working principle	Understand the lecture	7	2
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Modification of breathing system, procedure for checking breathing system	Understand the lecture	7	3
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Modification of breathing system, procedure for checking breathing system	Understand the lecture	7	4
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Airway management device: artificial airway, face mask, laryngeal mask	Understand the lecture	7	5

Actual	Theoretical	Airway management device:	Understand	7	6
theoretical	material -	artificial airway, face mask, laryngeal mask	the lecture		
tests - practical	laboratories	,8			
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
Actual	room Theoretical	Endotracheal tubes, definition	Understand	7	7
theoretical	material -	and types, ETT for special	the lecture	'	,
tests - practical	laboratories	purpose	the lecture		
tests - practical	for practical				
laboratories	material				
insolutorics	within the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretical	Endotracheal tubes, definition	Understand	7	8
theoretical	material -	and types, ETT for special	the lecture		
tests - practical	laboratories	purpose			
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room	T	** *		
Actual	Theoretical	Laryngoscope, aids to intubation, emergency airway	Understand	7	9
theoretical	material -	mode across, critering one y and way	the lecture		
tests - practical tests in	laboratories				
laboratories	for practical material				
laboratories	within the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretical	Laryngoscope, aids to	Understand	7	10
theoretical	material -	intubation, emergency airway	the lecture		
tests - practical	laboratories				
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				

	laboratory and the operating room				
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Manual resuscitator, components and other use for manual resuscitator	Understand the lecture	7	11
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Manual resuscitator, components and other use for manual resuscitator	Understand the lecture	7	12
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Anesthesia ventilator, principle of working and type of ventilator	Understand the lecture	7	13
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Anesthesia ventilator, principle of working and type of ventilator	Understand the lecture	7	14
Actual theoretical tests - practical	Theoretical material - laboratories	Advanced types in ventilator: principles and examples	Understand the lecture	7	15

tests in laboratories Actual theoretical tests - practical	for practical material within the anesthesia laboratory and the operating room Theoretical material - laboratories	Advanced types in ventilator: principles and examples	Understand the lecture	7	16
tests in laboratories	for practical material within the anesthesia laboratory and the operating room	YY - 11'G			
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Humidifier and nebulizer: definition, importance of humidification	Understand the lecture	7	17
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Humidifier and nebulizer: definition, importance of humidification	Understand the lecture	7	18
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the	Classification and examples of humidifier and nebulizer	Understand the lecture	7	19

	operating				
Actual theoretical tests - practical tests in laboratories	room Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Classification and examples of humidifier and nebulizer	Understand the lecture	7	20
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Equipment for pediatric anesthesia, special equipment, ventilator, suction equipments	Understand the lecture	7	21
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Equipment for pediatric anesthesia, special equipment, ventilator, suction equipments	Understand the lecture	7	22
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Equipment for local analges ia: spinal, epidural, and major nerve block	Understand the lecture	7	23
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material	Equipment for local analges ia: spinal, epidural, and major nerve block	Understand the lecture	7	24

Actual theoretical tests in laboratories aboratories alaboratories Actual theoretical tests practical tests in laboratories (alaboratories laboratories) Actual theoretical tests in laboratories (alaboratories laboratories (alaboratories laboratories) Actual theoretical tests in laboratories (alaboratories laboratories (alaboratories laboratories) Actual theoretical tests in laboratories (alaboratories laboratories (alaboratories laboratories (alaboratories laboratories (alaboratories (alaboratories laboratories (alaboratories (alaborato		*43 * 43				1
Actual theoretical tests - practical aboratories alaboratories alaboratories Actual theoretical tests - practical material laboratories alaboratories Actual theoretical tests - practical material tests - practical material within the anesthesia laboratories alaboratories Actual theoretical tests - practical material within the anesthesia laboratories alaboratories alaboratories alaboratories Actual theoretical tests - practical material dests - practical material tests - practical tests - practical material desta - practical material tests - practical material dests - practical tests - practical tests - practical tests - practical tests - practical material desta - tests in laboratories alaboratories		within the				
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Actual theoretical tests in laboratories Actual theoretical tests in laboratories Actual theoretical tests - practical tests - practical tests in laboratories Actual theoretical tests in laboratories Actual theoretical tests in laboratories Actual theoretical tests - practical tests - practical tests in laboratories Actual theoretical tests in laboratories		•				
theoretical tests - practical tests - practical tests - practical tests - practical tests in laboratories Actual theoretical tests in laboratories for practical material within the anesthesia laboratory and the operating room Monitoring of blood pressure, invasive and non-invasive, pulse oximeter Monitoring of blood pressure, invasive and non-invasive, pulse oximeter Monitoring of blood pressure, invasive and non-invasive, pulse oximeter Monitoring of blood pressure, invasive and non-invasive, pulse oximeter Monitoring of blood pressure, invasive and non-invasive, pulse oximeter Monitoring of blood pressure, invasive and non-invasive, pulse oximeter Monitoring equipment The cretical material tests in laboratories for practical material within the annes the sia laboratory and the operating Monitoring clusification of the lecture Monitoring equipment Theoretical material within the annes the sia laboratories for practical within the annes the sia laboratories Monitoring equipment Theoretical material invasive and non-invasive. Pulse oximeter Monitoring equipment Theoretical material invasive and non-invasive. Pulse oximeter Monitoring equipment Theoretical material invasive and non-invasive. Pulse oximeter Monitoring equipment Theoretical material invasive and non-invasive. Pulse oximeter Monitoring equipment Theoretical material invasive and non-invasive. Pulse oximeter Monitoring equipment Theoretical material invasive and non-invasive. Pulse oximeter Monitoring equipment Theoretical mater						
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Actual theoretical material laboratories for practical material within the anesthesia laboratory and the operating		•				
theoretical tests - practical laboratories for practical laboratories material within the anesthesia laboratory and the operating			N# '- ' C1 1 1		_	20
tests - practical laboratories for practical laboratories material within the anesthesia laboratory and the operating					7	28
tests in for practical laboratories for practical material within the anesthesia laboratory and the operating				the lecture		
laboratories material within the anesthesia laboratory and the operating	_		P			
within the anesthesia laboratory and the operating		_				
anesthesia laboratory and the operating	laboratories					
laboratory and the operating						
and the operating						
operating						
room		_				
II I		room				_

Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	ECG and temper monitoring equip	ature oment	Understand the lecture	7	29
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	ECG and temper monitoring equip		Understand the lecture	7	30
11. Course eva	luation					
the audience Share Peer evaluation Weekly reports						
	nd teaching reso		3.6 .	P (,	
alshake ane	sthesia equipi	equipment Baha ment Basic miller gan and Mikhails	Man	n references (sou	rces)	
Anesthesia and analgesia journal British journal of anesthesia Others				ommended suppo entific journals, re	_	e fe re
Pubmed	Google schola	r Web of sciences EmbaseOther	Elec	tronic references	, Internet sites	

	Cours	e description form			
1. Course N	ame				
Intensive care te	chniques1				
2. Course C	Code				
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3. Semester					
the first /2023-20					
	description was	prepared			╙
2/29/2024	44 1 6				╬
	attendance for	ns			╫
My prese		total)/number of units (tot	al)		
210 hours		total//number of units (tot	ai)		╫
		nistrator (if more than on	e name is mention	ed)	╫
Name: Er		mstrator (minore than on		<i></i>	
8. Course ob	jectives				
			Objectives of the stu	dy subject	
Overall goal:Lear	n about the ba	sics of intensive care,			
identifying patien	its who need into	ensive care, and how to			
deal with critically	y ill patients.				
9. Teaching	and learning st	rategies			
educational vid	leos, and open	l methods, as well as cla discussion methods, wi			The
.Course structure			T	1 -	╙
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	he v
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia	Principles of ICU	Understand the lecture	theoretical, 2 practical	1

Principles of ICU

Understand

the lecture

2

theoretical,

2 practical

2

laboratory

Theoretical

material -

laboratories

for practical

mate rial within the

Actual

theoretical

tests - practical

tests in laboratories

Actual	anesthesia laboratory and the operating room Theoretical	Practical management.	Understand	2	3
theoretical tests - practical tests in laboratories	material - laboratories for practical material within the anesthesia laboratory and the operating room		the lecture	theoretical, 2 practical	
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Practical management.	Understand the lecture	theoretical, 2 practical	4
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Artificial ventilation.	Understand the lecture	theoretical, 2 practical	5
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Artificial ventilation.	Understand the lecture	theoretical, 2 practical	6

Actual	Theoretical	Clinical monitoring.	Understand	2	7
theoretical	material -		the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical			1	
laboratories	mate rial			1	
	within the			1	
	anesthesia			1	
	laboratory			1	
	and the				
	operating			1	
	room				
Actual	Theoretical	Clinical monitoring.	Understand	2	8
theoretical	material -		the lecture	theoretical,	Ĭ
tests - practical	laboratories		the recture	2 practical	
tests in	for practical			2 practical	
laboratories	material			1	
lauuraturies	within the			1	
	anesthesia			1	
				1	
	laboratory			1	
	and the				
	ope rating			1	
A 4 1	room	Clinical monitoring.	TT 1 4 .1	1	
Actual	Theoretical	Cillicai inomicinis.	Understand	2	9
theoretical	material -		the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical			1	
laboratories	mate rial			1	
	within the			1	
	anesthesia			1	
	laboratory			1	
	and the			1	
	ope rating			1	
	room				
Actual	Theoretical	Clinical monitoring.	Understand	2	10
theoretical	mate rial -		the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical			•	
laboratories	material			1	
2000	within the			1	
	anesthesia				
	laboratory			1	
	and the			1	
	operating			1	
	room				
Actual	Theoretical	Cardio pulmonary	Understand	2	11
theoretical	material -	resuscitation.	the lecture	theoretical,	**
	laboratories		the iccurc	· ·	
tests - practical tests in				2 practical	
	for practical			1	
laboratories	material			1	
	within the			1	
	anesthesia				╟─┤

	laboratory and the operating room				
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Cardio pulmonary resuscitation.	Understand the lecture	theoretical, 2 practical	12
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Hypoxia & Q₂therapy.	Understand the lecture	theoretical, 2 practical	13
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Hypoxia & Q₂therapy.	Understand the lecture	theoretical, 2 practical	14
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Special complications DVT, Pneumothorax stress ulcer, ARDS	Understand the lecture	theoretical, 2 practical	15

	-	-	-		
Actual	Theoretical	Special complications DVT,	Understand	2	16
theoretical	material -	Pneumothoraxstress ulcer, ARDS.	the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
A 4 7	room	Special complications DVT,	TT 1 4 1		15
Actual	Theoretical	Pneumothorax stress ulcer,	Understand	2	17
theoretical	material -	ARDS.	the lecture	theoretical,	
tests - practical tests in	laboratories for practical			2 practical	
laboratories	material				
laboratories	within the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretical	CNS: glasco coma scale, head	Understand	2	18
theoretical	material -	injury.	the lecture	theoretical,	
tests - practical	laboratories		the lecture	2 practical	
tests in	for practical			- Processor	
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretical	CNS: glasco coma scale, head injury.	Understand	2	19
theoretical	material -	mjury.	the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
Actual	room Theoretical	Indication of intubations.	Understand	2	20
theoretical	material -	Ventilation & Extubation	the lecture	theoretical,	20
	laboratories		the lecture	· · · · · · · · · · · · · · · · · · ·	
tests - practical tests in	for practical			2 practical	
laboratories	material				
iavoratories	within the				
	anesthesia				
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	laboratory				
	and the				
	ope rating				
	room	T 1' 6' . 1		_	
Actual	Theoretical	Indication of intubations. Ventilation & Extubation	Understand	2	21
theoretical	mate rial -	ventuation & Extubation	the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretical	Indication of intubations.	Understand	2	22
theoretical	material -	Ventilation & Extubation	the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room				
Actual	Theoretical	Emergency drugs.	Understand	2	23
theoretical	mate rial -		the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
	room	F			
Actual	Theoretical	Emergency drugs.	Understand	2	24
theoretical	material -		the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	operating				
A . =	room	Emergency drugs.	TT 1 4 7	1 2	
Actual	Theoretical	Emergency drugs.	Understand	2	25
theoretical	material -		the lecture	theoretical,	
tests - practical	laboratories			2 practical	-

to ata in	for prostical	monitoring equipment			
tests in	for practical material	monnorms equipment			
laboratories	material within the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretical	Blood & blood transfusion.	Understand	2	26
theoretical	material -		the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	operating				
A . 4 . 1	room	Blood & blood transfusion.	TT . 1 4 1	2	27
Actual	Theoretical	Blood & blood transfusion.	Understand	2	27
theoretical	material - laboratories		the lecture	theoretical, 2 practical	
tests - practical tests in	for practical			2 practical	
laboratories	material				
laboratories	within the				
	anesthesia				
	laboratory				
	and the				
	operating				
	room				
Actual	Theoretical	IVF & water & electrolyte	Understand	2	28
theoretical	material -	balance.	the lecture	theoretical,	
tests - practical	laboratories			2 practical	
tests in	for practical				
laboratories	mate rial				
	within the				
	anesthesia				
	laboratory				
	and the				
	ope rating				
Actual	room Theoretical	Nutrition.	Understand	2	29
theoretical	material -	T (dtillion)	the lecture	_	29
tests - practical	laboratories		the lecture	theoretical, 2 practical	
tests - practical tests in	for practical			2 practical	
laboratories	material				
	within the				
	anesthesia				
	laboratory				
	and the				
				1	1

	operating room					
Actual theoretical tests - practical	Theoretical material - laboratories	Delayed reco	very.	Understand the lecture	2 theoretical, 2 practical	30
tests in laboratories	for practical material within the anesthesia					
	laboratory and the					
	ope rating					
	room					
11. Course eva	luation					
the audience						
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Peer evaluation						
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		ed.,Graham R. Nimmo	Mai	n references (sou	rces)	
2-The Anesth	esia Technician &	Technologist's Manual				
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1.clinical anestl	hesiology. 5th ed	l.,John F. Butterworth IV, MD		ommended suppo entific journals, re		eiere
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	ctives of the stu	Ohie	c year, the student	the academi	At the end of
ysu	cuves of the stu	Obje	different anesthesia		
			maintenance of all		
			entify all parts of		_
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	learning strateg				
stra			methods, lectures, photo	ctical laboratory	eoretical and prac
		lels, and open discı	three-dimensional mod		
	Course				
the v	hours	-	Name of the unit or	Learning	Evaluation
			topic	method	method
╀	2	outcomes	G 41 14	T 4	A 4 7
	2-	Understand	Suction units	Lecture	Actual
	Theoretical	the lecture		given	theoretical
	4- Practical			Practical	tests - practical
				application	tests in
				in the laboratory	laboratories
╂	2-	Understand	Creation remits	Lecture	Actual
	Theoretical	the lecture	Suction units	given and	theoretical
	4- Practical	the lecture		O	
	4- Practical			practical	tests - practical tests in
				application in the	laboratories
				in the laboratory	iaporatories
╢	2-	Understand	Suction units	Lecture	Actual
	Theoretical	the lecture	Suction units		theoretical
	4- Practical	the lecture		given Practical	tests - practical
	7-11acucal				tests - practical
	1			application	

_ _					
				in the	tests in
		T7 7 4 7	G 4	laboratory	laboratories
	2-	Understand	Suction units	Lecture	Actual
	Theoretical 4. B. A. C.	the lecture		given	theoretical
	4- Practical			Practical	tests - practical
				application	tests in
				in the	laboratories
_ -				<u>laboratory</u>	
	2-	Understand	Suction units	Lecture	Actual
	Theoretical	the lecture		given	theoretical
	4- Practical			Practical	tests - practical
				application	tests in
				in the	laboratories
				laboratory	
	2-	Understand		Lecture	Actual
	Theoretical	the lecture		given	theoretical
	4- Practical		Vontilators	Practical	tests - practical
			Ventilators	application	tests in
				in the	laboratories
				laboratory	
╢	2-	Understand		Lecture	Actual
	Theoretical	the lecture		given	theoretical
	4- Practical			Practical	tests - practical
	. Tructicui		Ventilators	application	tests in
				in the	laboratories
				laboratory	laboratories
	2-	Understand		Lecture	Actual
	Theoretical	the lecture			theoretical
	4- Practical	the lecture		given Practical	
	4- Fractical		Ventilators		tests - practical tests in
				application	laboratories
				in the	iaboratories
- -		TT T 4		laboratory	A 4 3
	2-	Understand		Lecture	Actual
	Theoretical	the lecture		given	theoretical
	4- Practical		Ventilators	Practical	tests - practical
				application	tests in
				in the	laboratories
4].				laboratory	
	2-	Understand		Lecture	Actual
	Theoretical	the lecture		given	theoretical
	4- Practical		Ventilators	Practical	tests - practical
			v chinators	application	tests in
				in the	laboratories
				laboratory	
ال	2-	Understand		Lecture	Actual
		the lecture		given	theoretical
	Theoretical	inc icciaic i		J	
	_		D / T = == 2 4 · · · · · · · · · · · · · · · · · · ·	Practical	tests - practical
	Theoretical	the lecture	Monitoring system		tests - practical tests in
	Theoretical	the lecture	Monitoring system	Practical application in the	tests - practical tests in laboratories

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1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
1	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories
2	2- Theoretical 4- Practical	Understand the lecture	Monitoring system	Lecture given	Actual theoretical tests - practical

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tests in	Practical				
laboratories	application				
	in the				
A -41	laboratory		IId4d	2	
Actual	Lecture		Understand	2-	4
theoretical	given		the lecture	Theoretical	
tests - practical	Practical	Electrical hazards		4- Practical	
tests in	application				
laboratories	in the				
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Actual	Lecture		Understand	2-	2
theoretical	given		the lecture	Theoretical	
tests - practical	Practical	Electrical hazards		4- Practical	
tests in	application				
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	laboratory				
Actual	Lecture		Understand	2-	2
theoretical	given		the lecture	Theoretical	
tests - practical	Practical	Electrical hazards		4- Practical	
tests in	application				
laboratories	in the				
	laboratory				_
Actual	Lecture		Understand	2-	2
theoretical	given		the lecture	Theoretical	
tests - practical	Practical	Electrical hazards		4- Practical	
tests in	application				
laboratories	in the				
	laboratory				
Actual	Lecture	Layout+ contents of	Understand	2-	2
theoretical	given	anesthetics room	the lecture	Theoretical	
tests - practical	Practical	and RCU		4- Practical	
tests in	application	002102 21 0 0			
laboratories	in the				
	laboratory				_
Actual	Lecture	Layout+ contents of	Understand	2-	2
theoretical	given	anesthetics room	the lecture	Theoretical	
tests - practical	Practical	and RCU		4- Practical	
tests in	application				
laboratories	in the				
	laboratory	_			_
Actual	Lecture	Layout+ contents of	Understand	2-	2
theoretical	given	anesthetics room	the lecture	The ore tical	
tests - practical	Practical	and RCU		4- Practical	
tests in	application				
laboratories	in the				
	laboratory				_
Actual	Lecture	Electrocardiography	Understand	2-	2
theoretical	given		the lecture	Theoretical	
tests - practical	Practical			4- Practical	
tests in	application				
laboratories					_

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	in the					
	laboratory					
Actual	Lecture	Electrocardiogra	phy	Understand	2-	2
theoretical	given			the lecture	Theoretical	
tests - practical	Practical				4- Practical	
tests in	application					
laboratories	in the					
	laboratory					
Actual	Lecture	Electrocardiogra	phy	Understand	2-	3
theoretical	given			the lecture	Theoretical	
tests - practical	Practical				4- Practical	
tests in	application					
laboratories	in the					
	laboratory					
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		methods, lectures, photo	tical laboratory	eoretical and prac			
	three-dimensional models, and open discussion method						
Course	eis, and open discu	three-dimensional mode					
Course hours	Required	Name of the unit or	Learning	Evaluation			
	Required learning		Learning method	Evaluation method			
hours	Required learning outcomes	Name of the unit or topic	method	method			
hours 2-	Required learning outcomes Understand	Name of the unit or topic Maternal	method Lecture	method Actual			
hours 2- Theoretical	Required learning outcomes	Name of the unit or topic	method Lecture given	method Actual theoretical			
hours 2-	Required learning outcomes Understand	Name of the unit or topic Maternal	method Lecture given Practical	Actual theoretical tests - practical			
hours 2- Theoretical	Required learning outcomes Understand	Name of the unit or topic Maternal Anatomical & Physiological	method Lecture given Practical application	Actual theoretical tests - practical tests in			
hours 2- Theoretical	Required learning outcomes Understand	Name of the unit or topic Maternal Anatomical &	Lecture given Practical application in the	Actual theoretical tests - practical			
hours 2- Theoretical 5- Practical	Required learning outcomes Understand the lecture	Name of the unit or topic Maternal Anatomical & Physiological changes	Lecture given Practical application in the laboratory	Actual theoretical tests - practical tests in laboratories			
hours 2- Theoretical 5- Practical	Required learning outcomes Understand the lecture Understand	Name of the unit or topic Maternal Anatomical & Physiological changes Maternal	Lecture given Practical application in the laboratory Lecture	Actual theoretical tests - practical tests in laboratories			
hours 2- Theoretical 5- Practical 2- Theoretical	Required learning outcomes Understand the lecture	Name of the unit or topic Maternal Anatomical & Physiological changes Maternal Anatomical &	Lecture given Practical application in the laboratory Lecture given and	Actual theoretical tests - practical tests in laboratories Actual theoretical			
hours 2- Theoretical 5- Practical	Required learning outcomes Understand the lecture Understand	Name of the unit or topic Maternal Anatomical & Physiological changes Maternal Anatomical & Physiological	Lecture given Practical application in the laboratory Lecture given and practical	Actual theoretical tests - practical tests in laboratories Actual theoretical tests - practical tests - practical tests - practical			
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Theoretical 5- Practical 5- Practical 5- Practical 5- Practical	Required learning outcomes Understand the lecture Understand the lecture Understand	Name of the unit or topic Maternal Anatomical & Physiological changes Maternal Anatomical & Physiological changes Geriatric	Lecture given Practical application in the laboratory Lecture given and practical application in the laboratory Lecture	Actual theoretical tests - practical tests in laboratories Actual theoretical tests - practical tests - practical tests in laboratories Actual theoretical tests in laboratories			
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	laboratory				<u> </u>
Actual	Lecture	Anaesthesia-Effects	Understand	2-	
theoretical	given	on Respiratory	the lecture	Theoretical	.
tests - practical	Practical	function.	,	5- Practical	.
tests in	application	Idilovioni		1	.
laboratories	in the			1	.
	laboratory				
Actual	Lecture	Endotracheal	Understand	2-	.
theoretical	given	intubation-	the lecture	Theoretical	.
tests - practical	Practical	difficult intubation		5- Practical	.
tests in	application	WILLIAM TO THE STATE OF THE STA		1	.
laboratories	in the			1	.
	laboratory	<u> </u>			
Actual	Lecture	Positioning in	Understand	2-	.
theoretical	given	anaesthesia, legal	the lecture	Theoretical	.
tests - practical	Practical	point about surgery,		5- Practical	.
tests in	application	regent surgery,		1	.
laboratories	in the		1	1	.
	laboratory	emergency surgery.	77 7 4: 4		
Actual	Lecture	Hypoxia during	Understand	2-	.
theoretical	given	surgery and post	the lecture	Theoretical	.
tests - practical	Practical	operative legal point	1	5- Practical	.
tests in	application	about pre-medical		1	.
laboratories	in the	visit & doctors			.
	laboratory	consultations.	1		.
Actual	Lecture	Collouitations.	Understand	2-	_
Actual theoretical		Co2 changes	Understand the lecture	2- Theoretical	.
tests - practical	given Practical	Hypercapnoea"	the recture	5- Practical	.
tests - practical tests in	application	"Hypocapnoea"		5-11acucai	.
laboratories	in the		1	ı	.
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Actual	Lecture	†	Understand	2-	_
theoretical	given		the lecture	Theoretical	
tests - practical	Practical	Desirable ventilator	the recurs	5- Practical	
tests - practical tests in	application	characteristics		J-11404155	
laboratories	in the		1	1	
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Actual	Lecture		Understand	2-	
theoretical	given	Ol. a.:4 Q.	the lecture	Theoretical	
tests - practical	Practical	Obesity &	,	5- Practical	
tests in	application	Anaesthesia			
laboratories	in the			1	
	laboratory				.
Actual	Lecture		Understand	2-	
theoretical	given	Alcohol &	the lecture	Theoretical	
tests - practical	Practical		,	5- Practical	
tests in	application	Anaesthesia		1	
laboratories	in the				
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Actual theoretical	Lecture given	Renal Disease &	Understand the lecture	2- Theoretical	
tests - practical	Practical	Anaesthesia		5- Practical	
tests in	application	Anaestnesia			
laboratories	in the				
	laboratory				
Actual	Lecture		Understand	2-	1
theoretical	given	Liver Disease &	the lecture	Theoretical	
tests - practical	Practical	Anaesthesia		5- Practical	
tests in	application	Anaestnesia			
laboratories	in the				
	laboratory				
Actual	Lecture		Understand	2-	1
theoretical	given	Anaemia &	the lecture	Theoretical	
tests - practical	Practical	Anaesthesia		5- Practical	
tests in	application				
laboratories	in the	Sickle cell anemia			
	laboratory				
Actual	Lecture	0-42.4.1	Understand	2-	1
theoretical	given	Gastric Acid	the lecture	Theoretical	
tests - practical	Practical	Aspiraiton		5- Practical	
tests in	application	syndrome, pre-			
laboratories	in the	eclampsia			
	laboratory	r constant			
Actual	Lecture		Understand	2-	1
theoretical	given	Coronary artery	the lecture	Theoretical	
tests - practical	Practical	diseases		5- Practical	
tests in	application	in non-cardiac			
laboratories	in the	surgery.			
	laboratory	<i>.</i>			
Actual	Lecture		Understand	2-]
theoretical	given	Hypertension	the lecture	Theoretical	
tests - practical	Practical	Atherosclerosis,		5- Practical	
tests in	application	Heart Failure, Old			
laboratories	in the	Tieart Famule, Old			
	laboratory				1
Actual	Lecture	Valvular lesions &	Understand	2-	
theoretical	given	Anaesthesia,	the lecture	Theoretical	
tests - practical	Practical	General note about		5- Practical	
tests in	application				
laboratories	in the	open heart surgery			
	laboratory				1
Actual	Lecture	onoluna	Understand	2-	
theoretical	given	one lung	the lecture	Theoretical	
tests - practical	Practical	_anaesthesia,		5- Practical	
tests in	application	Bronchoscopy			
laboratories	in the				
, . =	laboratory		-	_	-
Actual	Lecture	Diabetes Mellitis &	Understand	2-	
theoretical	given	Anaesthesia.	the lecture	Theoretical 5	
tests - practical				5- Practical	-

tests in laboratories	Practical application in the				
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Thyroid surgery & Anaesthesia, Pheochromoeytoma	Understand the lecture	2- Theoretical 5- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	TUR, Pyloric stenosis, Burns.	Understand the lecture	2- Theoretical 5- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Upper air way construction causes & anaesthesia.	Understand the lecture	2- Theoretical 5- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Massive blood transfusion.	Understand the lecture	2- Theoretical 5- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Control of Icp, Head injury, air embolism and emergency	Understand the lecture	2- Theoretical 5- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	criterion for brain death, General notes about neuroanaesthesia	Understand the lecture	2- Theoretical 5- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Day clinic, dental Anaesthesia.	Understand the lecture	2- Theoretical 5- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application	Techniques of local analgesia Indication, contra indication, upper limb	Understand the lecture	2- Theoretical 5- Practical	2

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	in the	problems, lower	r				
	laboratory	limb problems, to	xic				
		reaction.					
Actual	Lecture	shock syndrome	& Understand	2-	2		
theoretical	given	Anaesthesia in		Theoretical			
tests - practical	Practical	general.		5- Practical			
tests in	application	general.					
laboratories	in the						
	laboratory						
Actual	Lecture	Hypersensitivity	y Understand	2-	3		
theoretical	given	reactions	the lecture	Theoretical			
tests - practical	Practical	& Anaesthesia"i	in	5- Practical			
tests in	application	general					
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tests in	in the	general physical				
laboratories	laboratory	assessment				
Actual	Lecture	pre-anesthetic	Un	derstand	2-	9-1
theoretical	given	intra anesthetic and	th	e lecture	Theoretical	
tests - practical	Practical	post anesthetic			5- Practical	
tests in	application	_				
laboratories	in the	management of the				
	laboratory	patient				
Actual	Lecture	Preoperative		derstand	2-	11-1
theoretical	given	nursing	th	e lecture	Theoretical	
tests - practical	Practical	management			5- Practical	
tests in	application	management				
laboratories	in the					
	laboratory					
Actual	Lecture		Un	derstand	2-	15-2
theoretical	given		th	e lecture	Theoretical	
tests - practical	Practical	Nursing care in			5- Practical	
tests in	application	the recovery room				
laboratories	in the	ľ				
	laboratory					
Actual	Lecture		Un	derstand	2-	23-2
theoretical	given	Post operation	th	e lecture	Theoretical	
tests - practical	Practical	nursing care			5- Practical	
tests in	application	nuising care				
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Course description form

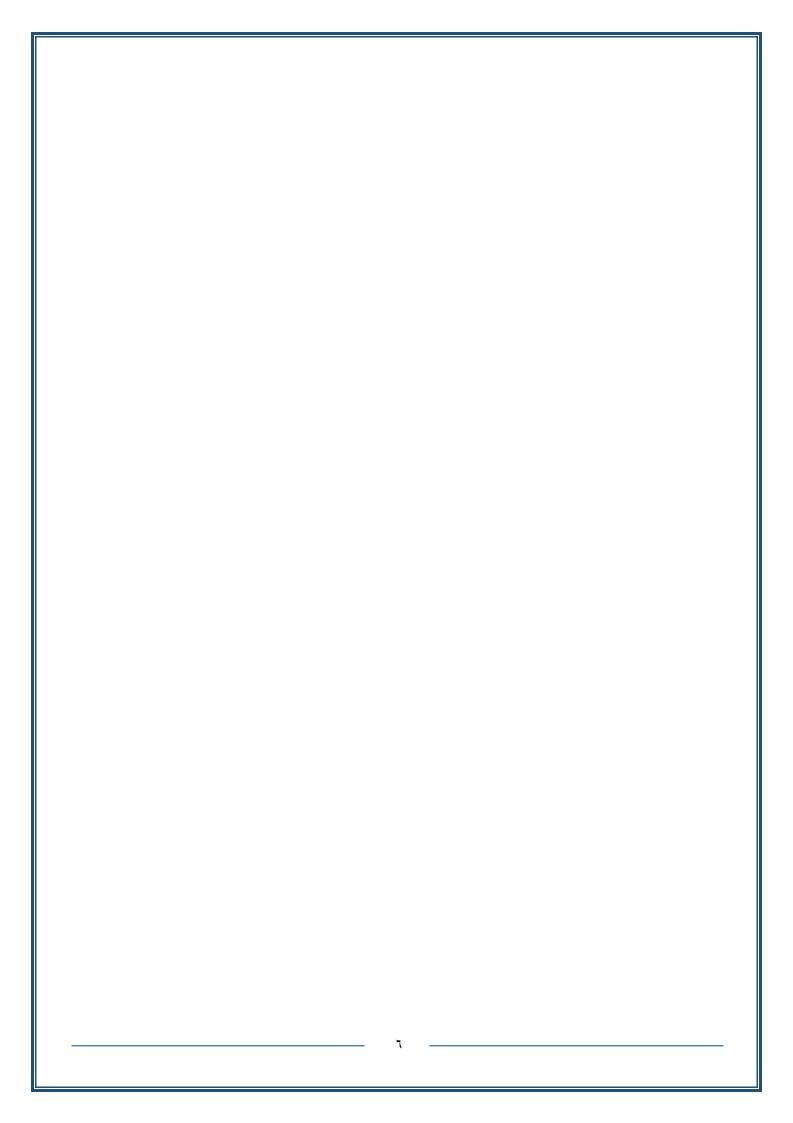
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