

### Course description form

<b>Course Name</b>				
<b>Course Code</b>				
<b>Semester/year</b>				
<b>Date this description was prepared</b>				
<b>Available attendance for</b>				
<b>My presence</b>				
<b>Number of study hours (total)/number of units (total)</b>				
<b>60 hours – 3 credits</b>				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
<b>Name: Email:</b>				
<b>Course objectives</b>				
<p>At the end of the academic year, the student should be able to: – Identify the cell and its structure, describe bacteria and parasites, and explain the immune mechanism of the cell against pathogenic organisms.</p>			<p>Objectives of the study</p>	
<b>Teaching and learning strategies</b>				
<p>theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion method</p>				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Introduction to biology, the cells, prokaryotic and eukaryotic cells, animal and plant cells	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	The structure of cells, types, shape and size	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical	Lecture given Practical application	Movement in and out of cells: diffusion, osmosis, active transport.	Understand the lecture	2- Theoretical 2- Practical

<b>tests in laboratories</b>	<b>in the laboratory</b>			
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Cell division: Amitosis, Mitosis and Meiosis	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Nucleic acid: DNA and RNA, DNA Replication	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Protein biosynthesis	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Human body tissues: Epithelial tissues	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Muscular and nervous tissues	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Connective tissues: Bone and cartilage	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Blood (RBC and WBC) and lymph	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>

<b>Course evaluation</b>	
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<b>Learning and teaching resources</b>	
<b>1- Human Biology. 12th ed., Sylvia et al., 2012</b>	<b>Main references</b> (sour

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

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<b>Course Code</b>					
<b>Semester/year</b>					
<b>Date this description was prepared</b>					
<b>Available attendance for</b>					
<b>My presence</b>					
<b>Number of study hours (total)/number of units (total)</b>					
<b>60 hours – 3 credits</b>					
<b>Name of the course administrator (if more than one name is mentioned)</b>					
<b>Name: Email:</b>					
<b>Course objectives</b>					
<p>Introducing the student to the body's organs and tissues.</p> <p>Identify the parts that make up each organ</p> <p>Identify the tissues that make up each organ</p> <p>Identify the specialized functions of organs and tissues</p>			<p>Objectives of the study</p>		
<b>Teaching and learning strategies</b>					
<p>theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.</p>					
<b>Course structure</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Introduction, Anatomical terms.</b>	Understand the lecture	2- Theoretical 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application	<b>Body cavities and its organs.</b>	Understand the lecture	2- Theoretical 2- Practical	

	<b>in the laboratory</b>			
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Superficial anatomy of human body.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Human body tissues; types and characteristics.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Skin anatomy and its functions skin color.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>General skeletal structure (Skull, limbs).</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Vertebral column structure, numbers and its function.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Diaphragm and abdominal wall muscles.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Anatomy of heart, wall, valve and its function</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Structure of blood vessels wall arteries, veins and capillaries.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Lymphatic system – lymph glands</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Respiratory system – upper respiratory tract.</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Respiratory system- lower respiratory tract.</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Alveoli-lungs- pleural activity.</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Revision</b>	Understand the lecture	2- Theoretical 2- Practical

Course evaluation

the audience

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Peer evaluation

Weekly report

Learning and teaching resources

**Clinical anatomy. 11th ed., Richard. snell, 2014.**

Main references (sources)

-Nature

-Science

E. book and websites

Recommended supporting books and references

(scientific journals, reports)

Medical website

Electronic references, Internet

### Course description form

<b>Course Name</b>					
<b>Medical physiology</b>					
<b>Course Code</b>					
<b>Semester/year</b>					
<b>the first /2023-</b>					
<b>Date this description was prepared</b>					
<b>/29/2</b>					
<b>Available attendance for</b>					
<b>My presence</b>					
<b>Number of study hours (total)/number of units (total)</b>					
<b>60 hours – 3 credits</b>					
<b>Name of the course administrator (if more than one name is mentioned)</b>					
<b>Name: Email:</b>					
<b>Course objectives</b>					
<p>At the end of the academic year, the student will be able to understand the functions of the various cells and systems of the body in general and perform various techniques for analyzing blood and other body fluids.</p>			<p><b>Objectives of the study</b></p>		
<b>Teaching and learning strategies</b>					
<p>theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.</p>				<p><b>The</b></p>	
<b>Course structure</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Definition of physiology; cell physiology; cell membrane components and structure.</b>	Understand the lecture	2- Theoretical 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Movement of fluid, solutes and gases across the cell membrane.</b>	Understand the lecture	2- Theoretical 2- Practical	

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Muscular tissues: types &amp; characteristics.</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Contraction mechanism, fatigue, muscular pain</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Types of nerve cells, functions of nerve impulse, synapses and reflexes</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Action potential of nerve and muscle fiber.</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Blood; functions, component, plasma and serum</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Red blood cells, shape, origin, Hb structure and anemia</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>WBCs, platelets ; functions, origin, structure</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Blood clotting mechanism</b>	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given	<b>Cardiovascular system, heart valve</b>	Understand the lecture	2- Theoretical



tests in laboratories	Practical application in the laboratory	cycle, HR conductive system.		2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Heart sounds and murmurs, ECG	Understand the lecture	2- Theoretical 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Blood pressure	Understand the lecture	2- Theoretical 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Respiratory system, Pleura, Types of mechanism of respiration.	Understand the lecture	2- Theoretical 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Oxygen Transport and exchange	Understand the lecture	2- Theoretical 2- Practical	
<b>Course evaluation</b>					
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<b>Learning and teaching resources</b>					
<p><b>Williams. (2012).Textbook of human endocrinology(12th ed). Philadelphia:Elsevier/Saunders., pp.1371-1435</b></p> <p><b>Gyton AC(1996).Introduction to Endocrinology in Text Book of Medical Physiology.(9th ed),WB Saunders Co.Philadelphia.,P.925</b></p>			Main references (sources)		
<p><b>-Nature</b> <b>-Science</b> <b>E. book and websites</b></p>			Recommended supporting books and references (scientific journals, reports)		
Medical website			Electronic references, Internet		



### Course description form

<b>Course Name</b>				
Medical physics				
<b>Course Code</b>				
<b>Semester/year</b>				
the first /2023-				
<b>Date this description was prepared</b>				
<b>Available attendance for</b>				
My presence				
<b>Number of study hours (total)/number of units (total)</b>				
90 hours – 4 credits				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>Course objectives</b>				
Identifying the physical phenomena of the five chapters that the course deals with and linking them to the medical phenomena that the student needs that he observes during his practical life. Such as blood flow, a device that reads the heart brain rate, the temperature of the human body, and pressures		<b>Objectives of the study</b>		
<b>Teaching and learning strategies</b>				
Theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.				The strategies
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Physics of skeleton, pressure	Understand the lecture	2- Theoretical 4- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Energy, work and power of the body	Understand the lecture	2- Theoretical 4- Practical
Actual theoretical tests - practical	Lecture given Practical application	Heat and cold in medicine	Understand the lecture	2- Theoretical

tests in laboratories	in the laboratory			4- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Specific heat, heat capacity, latent heat, thermometer and it's kinds, heat transfer by conduction, convection and radiation. Regulation of heat through the human body.	Understand the lecture	2- Theoretical 4- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Boyle's law, diffusion and mixing of gases.	Understand the lecture	2- Theoretical 4- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Physics of lung and breathing	Understand the lecture	2- Theoretical 4- Practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Evaporation of liquids, vapor pressure and boiling point, humidity, laminar and trubulant flow in liquid.	Understand the lecture	2- Theoretical 4- Practical	1
<b>Course evaluation</b>					
the audic S Peer evalua Weekly rep					
<b>Learning and teaching resources</b>					
<b>Medical Physics. 12th ed., Sylvia et al., 2012.</b> <b>Essential of Medical Physics. 3rd ed., Albert Barry et al.,2010.</b>			Main references (sour		
Scientific journals			Recommended supporting books and refere (scientific journals, report		
Medical website			Electronic references, Intern		

### Course description form

<b>Course Name</b>				
<b>General classification</b>				
<b>Course Code</b>				
<b>Semester/year</b>				
<b>the first /2023-2024</b>				
<b>Date this description was prepared</b>				
<b>2/29/2023</b>				
<b>Available attendance forms</b>				
<b>My presence</b>				
<b>Number of study hours (total)/number of units (total)</b>				
<b>60 hours – 3 credits</b>				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
<b>Name: Email:</b>				
<b>Course objectives</b>				
<b>General objective: At the end of the current academic year, the student will be able to: – Perform various techniques of descriptive and quantitative analyzes of components in blood and other body fluids in humans in states of health and illness.</b>			<b>Objectives of the study</b>	
<b>Teaching and learning strategies</b>				
<b>theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.</b>				<b>The</b>
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Scope of biochemistry in health and disease, cell and cell components.	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Some aspects of physical chemistry, Gas laws, Boyle's law, Graham's Law of diffusion, Dalton's Law of partial pressure, General gas equation, the international system of units.	Understand the lecture	2- Theoretical 2- Practical

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

tests in laboratories	Practical application in the laboratory	ketosis, glycosuria, glucose tolerance curve.		2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Lipids, classification, derived lipids, compound, lipids.	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Lipid metabolism, lipid abnormalities.	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Lipid metabolism, lipid abnormalities.	Understand the lecture	2- Theoretical 2- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Nucleic acids and their Expression, DNA Replication, Nutation, RNA Topology.	Understand the lecture	2- Theoretical 2- Practical

Course evaluation

the audience

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Peer evaluation

Weekly report

Learning and teaching resources

**Williams. (2012). Textbook of human endocrinology (12th ed). Philadelphia: Elsevier/Saunders., pp.1371-1435**

**Gyton AC (1996). Introduction to Endocrinology in Text Book of Medical Physiology. (9th ed), WB Saunders Co. Philadelphia., P.925**

Main references (sources)

-Nature

-Science

E. book and websites

Recommended supporting books and references (scientific journals, reports)

Medical website

Electronic references, Internet





### Course description form

<b>Course Name</b>					
<b>Course Code</b>					
<b>Semester/year</b>					
<b>the first /2023-</b>					
<b>Date this description was prepared</b>					
<b>Available attendance forms</b>					
<b>My presence</b>					
<b>Number of study hours (total)/number of units (total)</b>					
<b>30 hours – 2 credits</b>					
<b>Name of the course administrator (if more than one name is mentioned)</b>					
<b>Name: Email:</b>					
<b>Course objectives</b>					
The student acquires English language skills: listening, speaking, reading, and writing  .2Enhancing the student’s abilities to understand medical words in English .3Familiarity with the English language and comparison with the mother tongue, Arabic .4Conducting modern research and studies to keep up with the vocabulary of the new language				<b>Objectives of the study</b>	
<b>Teaching and learning strategies</b>					
<b>Theoretical methods, lectures, visual illustrations, and open discussion method</b>					
<b>Course structure</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	
Actual presence theory tests	Lecture given	Getting to know you	Understand the lecture	2- Theoretical	
Actual presence theory tests	Lecture given	<b>The way we live</b>	Understand the lecture	2- Theoretical	

Actual presence theory tests	Lecture given	It all went wrong	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Let's go shopping	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	What do you want to do?	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Tell me what's it like?	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Famous couples	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Do's and don'ts	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Going places	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Search to death	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Things that change the world	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Dreams and reality	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Earnings a living	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Love you and leave you	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	Review	Understand the lecture	2-Theoretical

**Course evaluation**

the audience  
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Peer evaluation  
Weekly report

**Learning and teaching resources**

<b>New Headway beginners Headway series</b>	<b>Main references</b> (sources)
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<b>Research gate</b>	<b>Recommended supporting books and references</b> (scientific journals, reports)
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### Course description form

<b>Course Name</b>				
<b>Human rights and democracy</b>				
<b>Course Code</b>				
<b>Semester/year</b>				
<b>the first /2023-</b>				
<b>Date this description was prepared</b>				
<b>/29/2</b>				
<b>Available attendance forms</b>				
<b>My presence</b>				
<b>Number of study hours (total)/number of units (total)</b>				
<b>30 hours – 2 credits</b>				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
<b>Name: Email:</b>				
<b>Course objectives</b>				
<p><b>Identifying the historical stages through which human rights have passed through religious and legal legislation</b></p> <p><b>Understanding the concept of personal and public freedoms in accordance with religious laws, constitutions and laws.</b></p> <p><b>Understanding equality based on gender, belief and race. Understanding the concepts of democracy</b></p>			<p><b>Objectives of the study</b></p>	
<b>Teaching and learning strategies</b>				
<p><b>theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion method</b></p>				
<b>Course structure</b>				
<b>Evaluation method</b>	<b>Learning method</b>	<b>Name of the unit or topic</b>	<b>Required learning outcomes</b>	<b>hours</b>
Actual presence theory tests	Lecture given	<p><b>Human rights, their definition, and the introduction to human rights in ancient civilizations, especially the civilization of the Arfida Valley, human rights in divine laws, with a focus on human rights in Islam.</b></p>	Understand the lecture	2- Theoretical

Actual presence theory tests	Lecture given	<p><b>Human rights in contemporary and modern history: international recognition of human rights since World War I. United Nations. Regional recognition of human rights: the European Convention on Human Rights, 1950 American Convention on Human Rights, 1969 African Charter on Human Rights, 1981 Arab Charter on Human Rights. 1994 Non-governmental organizations and human rights (International Committee of the Red Cross, Amnesty International, Human Rights Watch, National Human Rights Organizations</b></p>	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	<p><b>Human rights in ethnic constitutions between theory and reality The relationship between human rights and public freedoms: -1 In the Universal Declaration of Human Rights - 2 in regional charters and national constitutions</b></p>	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	<p><b>Economic, social and cultural human rights, civil human rights and modern human rights: facts in development, the right to a clean environment, the right to solidarity, the right to religion.</b></p>	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	<p><b>Guarantees to respect and protect human rights at the national level, guarantees in the</b></p>	Understand the lecture	2-Theoretical

		<p>constitution and laws, guarantees in the principle of the rule of law. Guarantees in constitutional oversight, guarantees in freedom of the press and public opinion, the role of non-governmental organizations in respecting and protecting human rights. Guarantees, respect and protection of human rights at the international level: - The role of the United Nations and its specialized agencies in providing guarantees - The role of regional organizations (the Arab League, The European Union, the African Union, the Organization of American States, and the ASEAN Organization.) The role of international, regional, non-governmental organizations and public opinion in respecting, respecting and protecting human rights</p>		
Actual presence theory tests	Lecture given	<p>The general theory of freedoms: the origin of rights and freedoms, the project's position on declared rights and freedoms, the use of the term public freedoms. The legal basis for the state of law.</p>	Understand the lecture	2-Theoretical
Actual presence theory tests	Lecture given	<p>Regulation of public freedoms by public authorities. Equality: the historical</p>	Understand the lecture	2-Theoretical

		development of the concept of equality. The modern development of the idea of equality - equality between the sexes. - Equality between individuals according to their beliefs and race			
Actual presence theory tests	Lecture given	Democracy - its definition - its types, concepts of democracy	Understand the lecture	2-Theoretical	
Actual presence theory tests	Lecture given	Democracy in the Third World, democratic systems in the world	Understand the lecture	2-Theoretical	
Actual presence theory tests	Lecture given	The concept of freedoms, classification of public freedoms, basic freedom, intellectual freedoms, economic and social freedoms	Understand the lecture	2-Theoretical	1
Actual presence theory tests	Lecture given	Freedom of security and feeling of reassurance, freedom of coming and going, freedom of education, freedom of the press, freedom of assembly	Understand the lecture	2-Theoretical	1
Actual presence theory tests	Lecture given	Freedom of association, freedom of work, right to own property	Understand the lecture	2-Theoretical	1
Actual presence theory tests	Lecture given	Freedom of trade and industry, freedom of women	Understand the lecture	2-Theoretical	1
Actual presence theory tests	Lecture given	Political parties and public freedoms, scientific and technical progress and public freedoms	Understand the lecture	2-Theoretical	1
Actual presence theory tests	Lecture given	The future of public freedoms	Understand the lecture	2-Theoretical	1
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				Peer evaluation	Peer evaluation
				Weekly report	Weekly report
Learning and teaching resources					

Riyad Aziz Hadi, Human Rights, Its Development and Implications, Al-Atak Company, Cairo, 2013	Main references (sources)
<b>Human Rights Watch</b>	Recommended supporting books and references (scientific journals, reports)



## Course description form

<b>Course Name .<sup>1</sup></b>					
Anatomy2					
<b>Course Code .<sup>2</sup></b>					
<b>Semester/year .<sup>3</sup></b>					
the first /2023-2024					
<b>Date this description was prepared .<sup>4</sup></b>					
2/29/2024					
<b>Available attendance forms .<sup>5</sup></b>					
presence					
<b>Number of study hours (total)/number of units (total) .<sup>6</sup></b>					
60 hours – 3 credits					
<b>Name of the course administrator (if more than one name is mentioned) .<sup>7</sup></b>					
Name: Email:					
<b>Course objectives .<sup>8</sup></b>					
<p>roducing the student to the body's organs and tissues.</p> <p>Identify the parts that make up each organ</p> <p>Identify the tissues that make up each organ</p> <p>Identify the specialized functions of organs and tissues</p>				<b>Objectives of the study subject</b>	
<b>Teaching and learning strategies .<sup>9</sup></b>					
theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.				<b>The strategy</b>	
<b>Course structure .<sup>10</sup></b>					
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	<b>Revision</b>	Understand the lecture	2- Theoretical 2- Practical	.1
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the	<b>CNS structures and functions</b>	Understand the lecture	2- Theoretical 2- Practical	.2

	<b>laboratory</b>				
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>PNS, spinal nerves</b>	Understand the lecture	2- Theoretical 2- Practical	.۳
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Sensory and motor nerves</b>	Understand the lecture	2- Theoretical 2- Practical	.۴
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>GIT system, parts &amp; structure of wall stomach</b>	Understand the lecture	2- Theoretical 2- Practical	.۵
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Salivary glands system, pancreas &amp; gallbladder</b>	Understand the lecture	2- Theoretical 2- Practical	.۶
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>live anatomy, structure and function</b>	Understand the lecture	2- Theoretical 2- Practical	.۷
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Urinary system, kidney, ureter, bladder and urethra</b>	Understand the lecture	2- Theoretical 2- Practical	.۸
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Reproductive system, male genitalia</b>	Understand the lecture	2- Theoretical 2- Practical	.۹
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Female reproductive organ</b>	Understand the lecture	2- Theoretical 2- Practical	.۱۰
Actual theoretical	Lecture given	<b>Endocrine glands, anatomy and</b>	Understand the lecture	2- Theoretical	.۱۱

tests - practical tests in laboratories	Practical application in the laboratory	function		cal 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Endocrine glands, anatomy and function</b>	Understand the lecture	2- Theoretical 2- Practical	.١٢
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Ear anatomy</b>	Understand the lecture	2- Theoretical 2- Practical	.١٣
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Ear function</b>	Understand the lecture	2- Theoretical 2- Practical	.١٤
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Revision</b>	Understand the lecture	2- Theoretical 2- Practical	.١٥

**Course evaluation .١١**

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Weekly reports

**Learning and teaching resources .١٢**

<b>Clinical anatomy. 11th ed., Richard. snell, 2014.</b>	<b>Main references (sources)</b>
<b>-Nature -Science E. book and websites</b>	<b>Recommended supporting books and references (scientific journals, reports....)</b>
<b>Medical website</b>	<b>Electronic references, Internet sites</b>

## Course description form

<b>Course Name .<sup>1</sup></b>					
Medical physiology2					
<b>Course Code .<sup>2</sup></b>					
<b>Semester/year .<sup>3</sup></b>					
the second /2023-2024					
<b>Date this description was prepared .<sup>4</sup></b>					
2/29/2024					
<b>Available attendance forms .<sup>5</sup></b>					
presence					
<b>Number of study hours (total)/number of units (total) .<sup>6</sup></b>					
60 hours – 3 credits					
<b>Name of the course administrator (if more than one name is mentioned) .<sup>7</sup></b>					
Name : Email:					
<b>Course objectives .<sup>8</sup></b>					
the end of the academic year, the student will be able understand the functions of the various cells and systems of the body in general and perform various techniques for analyzing blood and other body fluids .				<b>Objectives of the study subject</b>	
<b>Teaching and learning strategies .<sup>9</sup></b>					
theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.				<b>The strategy</b>	
<b>Course structure .<sup>10</sup></b>					
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	<b>Carbon dioxide transporting and exchange</b>	Understand the lecture	2- Theoretical 2- Practical	.1
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Lung vol. and capacity, types and hypoxia</b>	Understand the lecture	2- Theoretical 2- Practical	.2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the	<b>Physiology of digestive system, gastric phases</b>	Understand the lecture	2- Theoretical 2- Practical	.3

	<b>laboratory</b>				
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Steps of digestion (carbohydrate, protein, fat digestion and absorption</b>	Understand the lecture	2- Theoretical 2- Practical	.॔
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Urinary system, renal functions, urine formation and reflexes</b>	Understand the lecture	2- Theoretical 2- Practical	.॑
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Role of kidney to maintain body fluids to regulate B. Pre. And balance</b>	Understand the lecture	2- Theoretical 2- Practical	.॒
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Body temperature regulation and control</b>	Understand the lecture	2- Theoretical 2- Practical	.॓
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Nervous system, CNS brain function and centers</b>	Understand the lecture	2- Theoretical 2- Practical	.॔
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Spinal cord, SCF, spinal reflexes</b>	Understand the lecture	2- Theoretical 2- Practical	.॑
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>PNS autonomic and sensory</b>	Understand the lecture	2- Theoretical 2- Practical	.॒
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Endocrine system control of hormone, types and secretion</b>	Understand the lecture	2- Theoretical 2- Practical	.॓
Actual theoretical	Lecture given	<b>Hormonal secretion from different</b>	Understand the lecture	2- Theoretical	.॔

tests - practical tests in laboratories	Practical application in the laboratory	<b>glands</b>		cal 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Reproductive system, male reproductive system</b>	Understand the lecture	2- Theoretical 2- Practical	.١٣
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Female reproductive system</b>	Understand the lecture	2- Theoretical 2- Practical	.١٤
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Ear and eye physiology</b>	Understand the lecture	2- Theoretical 2- Practical	.١٥

**Course evaluation .١١**

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Weekly reports

**Learning and teaching resources .١٢**

<b>Williams. (2012). Textbook of human endocrinology (12th ed). Philadelphia: Elsevier/Saunders., pp.1371-1435</b>	<b>Main references (sources)</b>
<b>Gyton AC (1996). Introduction to Endocrinology in Text Book of Medical Physiology. (9th ed), WB Saunders Co. Philadelphia., P.925</b>	
<b>-Nature -Science E. book and websites</b>	<b>Recommended supporting books and references (scientific journals, reports....)</b>
<b>Medical website</b>	<b>Electronic references, Internet sites</b>

## Course description form

<b>Course Name</b> . <sup>1</sup>					
Medical physics2					
<b>Course Code</b> . <sup>2</sup>					
<b>Semester/year</b> . <sup>3</sup>					
the second /2023-2024					
<b>Date this description was prepared</b> . <sup>4</sup>					
2/29/2024					
<b>Available attendance forms</b> . <sup>5</sup>					
presence					
<b>Number of study hours (total)/number of units (total)</b> . <sup>6</sup>					
90 hours – 4 credits					
<b>Name of the course administrator (if more than one name is mentioned)</b> . <sup>7</sup>					
Name: Email:					
<b>Course objectives</b> . <sup>8</sup>					
Identifying the physical phenomena of the five chapters that the course deals with and linking them to the medical phenomena that the student observes that he observes during his practical life. Such as blood flow, a device that reads the heart brain rate, the temperature of the human body, and pressures			<b>Objectives of the study subject</b>		
<b>Teaching and learning strategies</b> . <sup>9</sup>					
Theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.				<b>The strategy</b>	
<b>Course structure.</b>					
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	Physics of skeleton, pressure	Understand the lecture	2- Theoretical 4- Practical	1-2
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Energy, work and power of the body	Understand the lecture	2- Theoretical 4- Practical	3-5
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application	Heat and cold in medicine	Understand the lecture	2- Theoretical 4-	6-7

laboratories	in the laboratory			Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Specific heat, heat capacity, latent heat, thermometer and its kinds, heat transfer by conduction, convection and radiation. Regulation of heat through the human body.	Understand the lecture	2- Theoretical 4- Practical	8-9
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Boyle's law, diffusion and mixing of gases.	Understand the lecture	2- Theoretical 4- Practical	10
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Physics of lung and breathing	Understand the lecture	2- Theoretical 4- Practical	11-13
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Evaporation of liquids, vapor pressure and boiling point, humidity, laminar and turbulent flow in liquid.	Understand the lecture	2- Theoretical 4- Practical	14-15

**Course evaluation .\**

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**Learning and teaching resources .\**

**Medical Physics. 12th ed., Sylvia et al., 2012.  
Essential of Medical Physics. 3rd ed., Albert Barry et al., 2010.**

**Main references (sources)**

Scientific journals

**Recommended supporting books and references (scientific journals, reports....)**

Medical website

**Electronic references, Internet sites**



## Course description form

<b>Course Name</b> . <sup>1</sup>					
Biochemistry2					
<b>Course Code</b> . <sup>2</sup>					
<b>Semester/year</b> . <sup>3</sup>					
the second /2023-2024					
<b>Date this description was prepared</b> . <sup>4</sup>					
2/29/2024					
<b>Available attendance forms</b> . <sup>5</sup>					
presence					
<b>Number of study hours (total)/number of units (total)</b> . <sup>6</sup>					
60 hours – 3 credits					
<b>Name of the course administrator (if more than one name is mentioned)</b> . <sup>7</sup>					
Name: Email:					
<b>Course objectives</b> . <sup>8</sup>					
General objective: At the end of the current academic year, the student will be able to: – Perform various techniques of descriptive and quantitative analyzes of components in blood and other body fluids in humans in states of health and illness.				Objectives of the study subject	
<b>Teaching and learning strategies</b> . <sup>9</sup>					
Theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.				The strategy	
<b>Course structure</b> . <sup>10</sup>					
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	Lab. Instructions, receiving lab. Equipments preparation of cleaning solution	Understand the lecture	2- Theoretical 2- Practical	.1
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Preparation of solutions, normal solution, molar solution, Part Per Million (PPM). Dilution, % percentage (W/V, V/V)	Understand the lecture	2- Theoretical 2- Practical	.2
Actual theoretical tests - practical tests in	Lecture given Practical application	Oxidation-reduction titration, standardization of permanganate solution	Understand the lecture	2- Theoretical 2-	.3

laboratories	in the laboratory	against oxalic acid		Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Determination of serum calcium	Understand the lecture	2- Theoretical 2- Practical	.॔
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Flame photometry. Determination of sodium and potassium in serum	Understand the lecture	2- Theoretical 2- Practical	.॑
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Carbohydrates: general reactions for carbohydrates reductions of monosaccharides, Molisch's fehling test, Benedict test, Barfoed's test, Ny-lander's test selivanoff's test, Moor's test Action	Understand the lecture	2- Theoretical 2- Practical	.॒
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Paper chromatography of carbohydrates	Understand the lecture	2- Theoretical 2- Practical	.॓
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Disaccharides. Reactions of reducing disaccharides, Molisch.	Understand the lecture	2- Theoretical 2- Practical	.॔
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Test, fehling test, benedict test, barfood test trummer's test,	Understand the lecture	2- Theoretical 2- Practical	.॑
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	phenyl hydrazine test	Understand the lecture	2- Theoretical 2- Practical	.॑॑
Actual theoretical tests - practical	Lecture given Practical	reaction of non-reducing disaccharides test for sucrose, acid	Understand the lecture	2- Theoretical	.॑॑

tests in laboratories	application in the laboratory	hydrolysis, hydrochloric acid test.		2-Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Polysaccharides, reactions of polysaccharides microscopic appearance of starch grains, solubility in water, iodine test, precipitation by alcohol, precipitation by ammonium, sulphate hydrolysis by acid	Understand the lecture	2-Theoretical 2-Practical	.۱۲
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Lipid metabolism, lipid abnormalities.	Understand the lecture	2-Theoretical 2-Practical	.۱۳
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Lipid metabolism, lipid abnormalities.	Understand the lecture	2-Theoretical 2-Practical	.۱۴
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Nucleic acids and their Expression, DNA Replication, Mutation, RNA Topology.	Understand the lecture	2-Theoretical 2-Practical	.۱۵

**Course evaluation .۱۱**

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Weekly reports

**Learning and teaching resources .۱۲**

Williams. (2012). Textbook of human endocrinology (12th ed). Philadelphia: Elsevier/Saunders., pp.1371-1435  
Gyton AC (1996). Introduction to Endocrinology in Text Book of Medical Physiology. (9th ed), WB Saunders Co. Philadelphia. ,P.925

**Main references (sources)**

-Nature  
-Science  
E. book and websites

**Recommended supporting books and references (scientific journals, reports....)**

**Medical website**

**Electronic references, Internet sites**

## Course description form

<b>Course Name</b> .١					
Microbiology					
<b>Course Code</b> .٢					
<b>Semester/year</b> .٣					
the first /2023-2024					
<b>Date this description was prepared</b> .٤					
2/29/2024					
<b>Available attendance forms</b> .٥					
presence					
<b>Number of study hours (total)/number of units (total)</b> .٦					
60 hours – 3 credits					
<b>Name of the course administrator (if more than one name is mentioned)</b> .٧					
Name: Email:					
<b>Course objectives</b> .٨					
At the end of the academic year, the student should be able to: – Identify the cell and its structure, describe bacteria and parasites, and explain the immune mechanism of the cell against pathogenic organisms.				Objectives of the study subject	
<b>Teaching and learning strategies</b> .٩					
theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion method				the strategy	
<b>Course structure.</b>					
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	The microorganism	Understand the lecture	2- Theoretical 2- Practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Bacteria: classification, structure and functions.	Understand the lecture	2- Theoretical 2- Practical	2-3
Actual theoretical tests - practical tests in	Lecture given Practical application	Media and culture	Understand the lecture	2- Theoretical 2- Practical	4-5

<b>laboratories</b>	<b>in the laboratory</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Antibiotics and Antibiotic resistance	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>6</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Fungi: characteristics, reproductive and classification.	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>7-8</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Virus: structure, classification and reproduction.	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>9</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Parasite: introduction, parasite & host relationship, diagnosis	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>10-11</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Classes of parasite (protozoa, helminthes and ectoparasites)	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>12-13</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Helminthes: structure and classification.	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>14</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	The immune system, mechanism of immune system (innate and adaptive immunity).	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>15</b>

**Course evaluation**

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**Learning and teaching resources**

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

**Main references (sources)**

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

## Course description form

<b>Course Name . ١</b>					
<b>Computer principles</b>					
<b>Course Code . ٢</b>					
<b>Semester/year . ٣</b>					
<b>the second /2023-2024</b>					
<b>Date this description was prepared . ٤</b>					
<b>2/29/2024</b>					
<b>Available attendance forms . ٥</b>					
<b>My presence</b>					
<b>Number of study hours (total)/number of units (total) . ٦</b>					
<b>60 hours – 3 credits</b>					
<b>Name of the course administrator (if more than one name is mentioned) . ٧</b>					
<b>Name : Email:</b>					
<b>Course objectives . ٨</b>					
<b>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 .</b>				<b>Objectives of the study subject</b>	
<b>Teaching and learning strategies . ٩</b>					
<b>theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.</b>				<b>The strategy</b>	
<b>Course structure . ١٠</b>					
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	<b>Operating System</b>	Understand the lecture	2- Theoretical 2- Practical	. ١
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Hardware and software</b>	Understand the lecture	2- Theoretical 2- Practical	. ٢
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the	<b>Files and folders</b>	Understand the lecture	2- Theoretical 2- Practical	. ٣

	<b>laboratory</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Folders and files managing</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.٤</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Computer Hardware</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.٥</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Tab settings</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.٦</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Page setup</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.٧</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Microsoft Excel</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.٨</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Manipulating the contents</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.٩</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Simple and complex formula</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.١٠</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Working with charts</b>	<b>Understand the lecture</b>	<b>2- Theoretical 2- Practical</b>	<b>.١١</b>
<b>Actual theoretical</b>	<b>Lecture given</b>	<b>Understanding power point</b>	<b>Understand the lecture</b>	<b>2- Theoreti</b>	<b>.١٢</b>



tests - practical tests in laboratories	Practical application in the laboratory			cal 2- Practical	
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Managing slide object	Understand the lecture	2- Theoretical 2- Practical	.١٣
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Internet Introduction	Understand the lecture	2- Theoretical 2- Practical	.١٤
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Working with Email	Understand the lecture	2- Theoretical 2- Practical	.١٥

Course evaluation .١١

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Weekly reports

Learning and teaching resources .١٢

Jr., DHLF, 2012. Introduction to Microsoft Office 2010. 2nd ed. sl:World scientific publishing. Mayne, R., 2915. Introduction to Windows. 2nd ed. sl:World scientific publishing Thomas Anderson, MD, 2014. Operating Systems: Principles and Practice. sl:University of Texas	Main references (sources)
E. book and websites	Recommended supporting books and references (scientific journals, reports....)
website	Electronic references, Internet sites

## Course description form

<b>Course Name</b> .١					
basics of surgery2					
<b>Course Code</b> .٢					
<b>Semester/year</b> .٣					
the second /2024					
<b>Date this description was prepared</b> .٤					
2/29/2024					
<b>Available attendance forms</b> .٥					
My presence					
<b>Number of study hours (total)/number of units (total)</b> .٦					
120 hours – 3 credits					
<b>Name of the course administrator (if more than one name is mentioned)</b> .٧					
Name: Dr. Tamim email:					
<b>Course objectives</b> .٨					
ntifying the anatomical and surgical foundations and their relationship to applied physiology of the human body, understanding the pharmacological effects of anesthetic drugs, the number of anesthetic drugs on the body, and how to deal with surgical complications that may occur during anesthesia and how to avoid them.				jectives of the study subject	
<b>Teaching and learning strategies</b> .٩					
nducting representative scenes and showing video clips in the laboratory to treat a patient through diagnosis and surgical treatment, evaluating the performance of students, and following up on the way they respond and the defect that may occur in the patient and the equipment.				The strategy	
<b>Course structure.</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
+Quiz Attendance	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Shock (types, pathophysiology)	Understand the lecture	2- Theoretical 4- Practical	1
+Quiz Attendance	Theoretical material - practical laboratories within the anesthesia laboratory and the	Emergency surgery, reaction of body to injury	Understand the lecture	2- Theoretical 4- Practical	2

	operating room				
+Quiz Attendance	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Nutritional support in surgery	Understand the lecture	2- Theoretical 4- Practical	3
+Quiz Attendance	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Types of Surgical Diseases Hereditary, Congenital, Acquired	Understand the lecture	2- Theoretical 4- Practical	4
+Quiz Attendance	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Angiology: Acute & Chronic Ischemia, Venous Disease, Lymphadenopathy, surgical lymphoedema	Understand the lecture	2- Theoretical 4- Practical	5
+Quiz Attendance	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Angiology: Venous Dis. – Thrombophlebitis & Phlebothrombosis	Understand the lecture	2- Theoretical 4- Practical	6
+Quiz Attendance	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Lymphadenopathy, surgical Lymphoedema.	Understand the lecture	2- Theoretical 4- Practical	7

	<b>room</b>				
<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Cellular Growth - its reactions to Stress &amp; Injury</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>8</b>
<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Oncology, Chemotherapy, radiation &amp; biological effects of them</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>9</b>
<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Oncology.</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>10</b>
<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Chemotherapy, radiation &amp; biological effects of them</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>11</b>
<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Common skin lesions, tumors</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>12</b>

<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Pre-operative preparation</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>13</b>
<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Post-operative complications &amp; care</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>14</b>
<b>+Quiz Attendance</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Sutures &amp; Anastomosis</b>	<b>Understand the lecture</b>	<b>2-Theoretical 4-Practical</b>	<b>15</b>

**Course evaluation .\**

**Attendance, participation, peer evaluation, weekly reports**

**Learning and teaching resources .\**

<b>Principles of surgery, short notes</b>	<b>Required textbooks (methodology, if any)</b>
<b>Baily and love, short practice in surgery 26th ED 11<sup>th</sup>E.D Swartz clinical surgery</b>	<b>Main references (sources)</b>
<b>Scientific journals</b>	<b>Recommended supporting books and references (scientific journals, reports....)</b>
<b>Electronic reference for information</b>	<b>Electronic references, Internet sites</b>

## Course description form

<b>Course Name</b> .١					
Statistics					
<b>Course Code</b> .٢					
<b>Semester/year</b> .٣					
the second /2024					
<b>Date this description was prepared</b> .٤					
2/29/2024					
<b>Available attendance forms</b> .٥					
My presence					
<b>Number of study hours (total)/number of units (total)</b> .٦					
120 hours – 3 credits					
<b>Name of the course administrator (if more than one name is mentioned)</b> .٧					
Name : Dr. Ghassan Dhaher email:					
<b>Course objectives</b> .٨					
The student must be able to understand the basics of statistics, as well as the ability to analyze data and know the effect rates of the study in question				Objectives of the study subject	
<b>Teaching and learning strategies</b> .٩					
Various explanations of the phenomenon and experiments to analyze data, as well as the use of statistical programs to demonstrate this				The strategy	
<b>Course structure.</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
+Quiz Attendance	Understand the lecture	Introduction. Measurement scale of variables. Statistical tables.	Understand the lecture	2- Theoretical 4- Practical	1
+Quiz Attendance	Understand the lecture	Graphical presentation.	Understand the lecture	2- Theoretical 4- Practical	2
+Quiz Attendance	Understand the lecture	Arithmetical presentation.	Understand the lecture	2- Theoretical 4- Practical	3
+Quiz Attendance	Understand the lecture	a-Central trend measurements. (Mean-Arithmetic mean).	Understand the lecture	2- Theoretical 4-	4

				Practical	
+Quiz Attendance	Understand the lecture	<b>b- Dispersion Measurements. Quartiles. Deciles. Percentiler. Mean Deviation. Standard Deviation. Variance.</b>	Understand the lecture	2- Theoretical 4- Practical	5
+Quiz Attendance	Understand the lecture	<b>Range. Root mean square. Interquartile range. Quartile Deviation. Coefficient of variation. Coefficient of Quartile. Standardized variable (Standard scores).</b>	Understand the lecture	2- Theoretical 4- Practical	6
+Quiz Attendance	Understand the lecture	<b>c-Coefficient of skewness. Coefficient of Momental skewness. Preson's first coefficient of skewness. Quartile coefficient of skewness.</b>	Understand the lecture	2- Theoretical 4- Practical	7
+Quiz Attendance	Understand the lecture	<b>d- Coefficient of kurtsis. Coefficient of momental kurtosis.</b>	Understand the lecture	2- Theoretical 4- Practical	8
+Quiz Attendance	Understand the lecture	<b>Probability. Introduction. Definitions-Definition of Probability. Probability theorems.</b>	Understand the lecture	2- Theoretical 4- Practical	9
+Quiz Attendance	Understand the lecture	<b>- Conditional Prob. Mutanlly exclusive. Independence. Ranges theorem.</b>	Understand the lecture	2- Theoretical 4- Practical	10
+Quiz Attendance	Understand the lecture	<b>Sampling Distribution.</b>	Understand the lecture	2- Theoretical 4- Practical	11
+Quiz Attendance	Understand the lecture	<b>Estimation. Summary of confidence interval.</b>	Understand the lecture	2- Theoretical 4- Practical	12

				1	
<b>+Quiz Attendance</b>	<b>Understand the lecture</b>	<b>Summary of significant tests.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>13</b>
<b>+Quiz Attendance</b>	<b>Understand the lecture</b>	<b>Testing for the value of a specified parameter(s).</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>14</b>
<b>+Quiz Attendance</b>	<b>Understand the lecture</b>	<b>Analysis of variance One way classification  Two-way classification with one observation per cell.  Two – way classification with (r). observation per cell.  Multiple comparisons (A-ANOVA).</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>15</b>

**Course evaluation** .\

**Attendance, participation, peer evaluation, weekly reports**

**Learning and teaching resources** .\

<b>. Khashi Mahmoud Al-Rawi, Introduction to Statistics, Mosul University Press1989 Mahmoud Hassan Al-Mashhadani, Amir Hanna Hormuz, tistics, Dar Al-Kutub Directorate for Printing and Publishing, Baghdad Printing1989</b>	<b>Required textbooks (methodology, if any)</b>
<b>. Khashi Mahmoud Al-Rawi, Introduction to Statistics, Mosul University Press1989</b>	<b>Main references (sources)</b>
<b>Scientific journals</b>	<b>Recommended supporting books and references (scientific journals, reports....)</b>
<b>Electronic reference for information</b>	<b>Electronic references, Internet sites</b>



## Course description form

<b>Course Name</b> .١					
<b>Basics of Anesthesia2</b>					
<b>Course Code</b> .٢					
<b>Semester/year</b> .٣					
<b>the second /2024</b>					
<b>Date this description was prepared</b> .٤					
<b>2/29/2024</b>					
<b>Available attendance forms</b> .٥					
<b>My presence</b>					
<b>Number of study hours (total)/number of units (total)</b> .٦					
<b>130 hours – 4 credits</b>					
<b>Name of the course administrator (if more than one name is mentioned)</b> .٧					
<b>Name: Dr. Sajad Muhammad Email:</b>					
<b>Course objectives</b> .٨					
<b>Identify the medical devices used in anesthesia knowledge of gas laws and their physical applications in anesthesia devices knowledge of pressure laws and their applications</b>			<b>Objectives of the study subject</b>		
<b>Teaching and learning strategies</b> .٩					
<b>theoretical and practical laboratory methods, hospitals, lectures, photo and video illustrations, three-dimensional models, and open discussion method.</b>				<b>The strategy</b>	
<b>Course structure.</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Drugs used in premedication	Understand the lecture	2- Theoretical 4- Practical	1
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia	Drugs used in premedication	Understand the lecture	2- Theoretical 4- Practical	2

	laboratory and the operating room				
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Drugs used in premedication	Understand the lecture	2- Theoretical 4- Practical	3
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Positioning & problems..	Understand the lecture	2- Theoretical 4- Practical	4
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	Positioning & problems.	Understand the lecture	2- Theoretical 4- Practical	5
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	CPR & respiratory failure	Understand the lecture	2- Theoretical 4- Practical	6
Actual theoretical tests - practical	Theoretical material - practical	CPR & respiratory failure	Understand the lecture	2- Theoretical	7

tests in laboratories	laboratories within the anesthesia laboratory and the operating room			4- Practical	
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	IVF types & uses.	Understand the lecture	2- Theoretical 4- Practical	8
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	IVF types & uses.	Understand the lecture	2- Theoretical 4- Practical	9
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	IVF types & uses..	Understand the lecture	2- Theoretical 4- Practical	10
Actual theoretical tests - practical tests in laboratories	Theoretical material - practical laboratories within the anesthesia laboratory and the operating room	IVF types & uses.	Understand the lecture	2- Theoretical 4- Practical	11

	<b>room</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>IVF types &amp; uses.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>12</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Safety measures in theatre, smoking</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>13</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Safety measures in theatre, Drugs allergic reaction</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>14</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - practical laboratories within the anesthesia laboratory and the operating room</b>	<b>Safety measures in theatre, Drugs allergic reaction</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>15</b>

**Course evaluation .1**

**the audience**

**Share**

**Peer evaluation**

**Weekly reports**

**Learning and teaching resources .1**

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

## Course description form

<b>Course Name</b> .١					
<b>Pharmacology2</b>					
<b>Course Code</b> .٢					
<b>Semester/year</b> .٣					
<b>the second /2024</b>					
<b>Date this description was prepared</b> .٤					
<b>2/29/2024</b>					
<b>Available attendance forms</b> .٥					
<b>My presence</b>					
<b>Number of study hours (total)/number of units (total)</b> .٦					
<b>130 hours – 4 credits</b>					
<b>Name of the course administrator (if more than one name is mentioned)</b> .٧					
<b>Name: Dr. Saad Salim Rahim Email:</b>					
<b>Course objectives</b> .٨					
<b>Learn about pharmacology and its various sections</b> <b>Studying various types and forms of treatment</b> <b>Identify the therapeutic effect in treating diseases of various body systems</b> <b>Identify side effects and therapeutic interactions</b>					<b>Objectives of the study subject</b>
<b>Teaching and learning strategies</b> .٩					
<b>giving lectures in the form of files and video lectures, as well as</b> <b>nding video clips from the Internet, as well as application in hospitals</b>					<b>The strategy</b>
<b>Course structure.</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Drugs action of nervous system	Understand the lecture	2- Theoretical 4- Practical	1
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Skeletal muscle relaxants	Understand the lecture	2- Theoretical 4- Practical	2

				al	
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Local anesthetics	Understand the lecture	2- Theoretical 4- Practical	3
Actual theoretical tests - practical tests in laboratories	Theoretical subject	General anesthetics	Understand the lecture	2- Theoretical 4- Practical	4
Actual theoretical tests - practical tests in laboratories	Theoretical subject	General anesthetics	Understand the lecture	2- Theoretical 4- Practical	5
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Hypotonic and sedative drugs	Understand the lecture	2- Theoretical 4- Practical	6
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Hypotonic and sedative drugs	Understand the lecture	2- Theoretical 4- Practical	7
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Antipsychotic and anti anxiety drugs.	Understand the lecture	2- Theoretical 4- Practical	8
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Antiparkinson drugs	Understand the lecture	2- Theoretical 4- Practical	9

Actual theoretical tests - practical tests in laboratories	Theoretical subject	Antiepileptic drug	Understand the lecture	2- Theoretical 4- Practical	10
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Narcotic, (opioid) analgesic.	Understand the lecture	2- Theoretical 4- Practical	11
Actual theoretical tests - practical tests in laboratories	Theoretical subject	IVF types & uses.	Understand the lecture	2- Theoretical 4- Practical	12
Actual theoretical tests - practical tests in laboratories	Theoretical subject	CNS stimulants	Understand the lecture	2- Theoretical 4- Practical	13
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Drug interaction	Understand the lecture	2- Theoretical 4- Practical	14
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Antiseptics disinfectants.	Understand the lecture	2- Theoretical 4- Practical	15

**Course evaluation .\**

**Exams**

**Writing and presenting reports and research  
Weekly reports, research and presentation**

**Learning and teaching resources .\**

**Pharmacology- Lippincotte**

**Required textbooks (methodology, if any)**

**Clinical Pharmacology made incredibly**

**Main references (sources)**



<b>easy 3rd ed.</b> <b>Bertram G. Katzung MD, PhD San Francisco December, 2011</b>	
<b>Scientific journals</b>	<b>Recommended supporting books and references (scientific journals, reports....)</b>
<b>Internet sites</b>	<b>Electronic references, Internet sites</b>

## Course description form

<b>Course Name</b> .١					
basic Medicine2					
<b>Course Code</b> .٢					
<b>Semester/year</b> .٣					
the second /2024					
<b>Date this description was prepared</b> .٤					
2/29/2024					
<b>Available attendance forms</b> .٥					
My presence					
<b>Number of study hours (total)/number of units (total)</b> .٦					
130 hours – 4 credits					
<b>Name of the course administrator (if more than one name is mentioned)</b> .٧					
Name : Dr. Jassim Mohammed Email:					
<b>Course objectives</b> .٨					
the end of the academic year, the student should be able to deal with the patient through a comprehensive examination and attempt to diagnose the diseases in detail before starting the process of administering general anesthesia.					jectives of the study subject
<b>Teaching and learning strategies</b> .٩					
Lectures, laboratories, hospitals, library, Internet					The strategy
<b>Course structure.</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Diseases of the kidney / introduction major manifestations / .investigations	Understand the lecture	2- Theoretical 4- Practical	1
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Hematology/ introduction / major manifestations/ .investigations	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Hematology/ introduction / major manifestations/ .investigations	Understand the lecture	2- Theoretical 4- Practical	3
Actual theoretical tests -	Theoretical subject	Anemia/ Introduction/ major monofestation classification	Understand the lecture	2- Theoretical	4

practical tests in laboratories		.investigations		4- Practical	
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Anemia/ Introduction/ major manifestation classification.investigation	Understand the lecture	2- Theoretical 4- Practical	5
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Diseases of the endocrine gland/ introduction	Understand the lecture	2- Theoretical 4- Practical	6
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Diseases of the endocrine gland/ introduction	Understand the lecture	2- Theoretical 4- Practical	7
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Diseases of connective tissues and Rheumatology/ introduction/ major manifestations/	Understand the lecture	2- Theoretical 4- Practical	8
Actual theoretical tests - practical tests in laboratories	Theoretical subject	.investigations	Understand the lecture	2- Theoretical 4- Practical	9
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Diseases of connective tissues and Rheumatology/ introduction/ major manifestations/	Understand the lecture	2- Theoretical 4- Practical	10
Actual theoretical tests - practical tests in laboratories	Theoretical subject	.investigations	Understand the lecture	2- Theoretical 4- Practical	11
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Major manifestations/ .investigations	Understand the lecture	2- Theoretical 4- Practical	12

Actual theoretical tests - practical tests in laboratories	Theoretical subject	Principles of critical care medicine major manifestations of critical illness/ shock/ sepsis	Understand the lecture	2- Theoretical 4- Practical	13
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Principles of critical care medicine major manifestations of critical illness/ shock/ sepsis	Understand the lecture	2- Theoretical 4- Practical	14
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Specific forms of organ failure(Multiple organ failure/ ARDS/DIC/ARF/ .)hepatic failure	Understand the lecture	2- Theoretical 4- Practical	15

**Course evaluation**

<b>Exams</b> Writing and presenting reports and research Scientific discussions Attendance and daily activities
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**Learning and teaching resources**

<i>Davidson's Principles and Practice of Medicine- 23 Edition</i>	<b>Required textbooks (methodology, if any)</b>
<i>Emergency medicine.</i>	<b>Main references (sources)</b>
<b>Scientific journals</b>	<b>Recommended supporting books and references (scientific journals, reports....)</b>
<b>Internet sites and electronic library</b>	<b>Electronic references, Internet sites</b>

## Course description form

<b>Course Name</b> .١					
<b>Applied physiology2</b>					
<b>Course Code</b> .٢					
<b>Semester/year</b> .٣					
<b>the second /2024</b>					
<b>Date this description was prepared</b> .٤					
<b>2/29/2024</b>					
<b>Available attendance forms</b> .٥					
<b>My presence</b>					
<b>Number of study hours (total)/number of units (total)</b> .٦					
<b>130 hours – 4 credits</b>					
<b>Name of the course administrator (if more than one name is mentioned)</b> .٧					
<b>Name: Dr. Qasim Muhammad Email:</b>					
<b>Course objectives</b> .٨					
<b>definition and introduction to the importance of applied physiology - learning about the functions of the body's systems - understanding the effect of anesthesia on functions of the body's systems - how to act during emergency situations and how to act with medical conditions associated with anesthesia</b>				<b>Objectives of the study subject</b>	
<b>Teaching and learning strategies</b> .٩					
<b>Lectures, laboratories, hospitals, library, Internet</b>				<b>The strategy</b>	
<b>Course structure.</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Autonomic control on CVS	Understand the lecture	2- Theoretical 4- Practical	1
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Starlings law of the heart.	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Starlings law of the heart.	Understand the lecture	2- Theoretical 4- Practical	3
Actual	Theore	Pressure change in Lt. Ventricle	Understand	2-	4

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

tests in laboratories				Practical	
Actual theoretical tests - practical tests in laboratories	Theoretical subject	O <sub>2</sub> flux+pre-oxygenation in anesthesia, why increase FIO <sub>2</sub>	Understand the lecture	2- Theoretical 4- Practical	13
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Cyanosis, pallor sign.	Understand the lecture	2- Theoretical 4- Practical	14
Actual theoretical tests - practical tests in laboratories	Theoretical subject	Meaning of cyanosis, pallor for the anaesthetist.	Understand the lecture	2- Theoretical 4- Practical	15

**Course evaluation .\**

Exams, writing and presenting reports and research, scientific discussions, attendance and daily activities

**Learning and teaching resources .\**

1-Principles of Physiology for the Anaesthetist 2-Ganong's Review of Medical Physiology 24th edition 3-Arora, DR Textbook of Microbiology for dental students. 3rd ed. 2012.	quired textbooks (methodology, if any)
1-Applied Physiology in Respiratory Mechanics 2- Essential of Cell Biology. 3rd ed., Albert Bary et al., 2010.	Main references (sources)
Scientific journals	Recommended supporting books and references (scientific journals, reports....)
Internet sites and electronic library	electronic references, Internet sites

### Course description form

<b>Course Name</b>				
Anesthesia				
<b>Course Code</b>				
MU0533				
<b>Semester/year</b>				
the first /2023-				
<b>Date this description was prepared</b>				
/29/2				
<b>Available attendance forms</b>				
My presence				
<b>Number of study hours (total)/number of units (total)</b>				
240 hours				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>Course objectives</b>				
At the end of the academic year, the student will be able to: – Use all different anesthesia devices. Maintenance and maintenance of all anesthesia equipment. Identify all parts of medical equipment used in anesthesia and their techniques.			<b>Objectives of the study</b>	
<b>Teaching and learning strategies</b>				
Practical methods, theoretical methods, hospitals, as well as clarification methods, educational videos, as well as open discussion methods, with tests placed at the end of the lecture, and also a method for displaying the cysts.				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Course hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Assessment of patients before anaesthesia	Understand the lecture	7
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Permedication	Understand the lecture	7



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

tests in laboratories	Practical application in the laboratory				
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Anaesthesia for ENT	Understand the lecture	7	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Anaesthesia for ophthalmic surgery & Endoscopic surgery	Understand the lecture	7	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Anaesthesia for orthopedic surgery	Understand the lecture	7	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Anaesthesia for orthopedic surgery	Understand the lecture	7	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Anaesthesia for orthopedic surgery	Understand the lecture	7	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Anaesthesia for urinary surgery	Understand the lecture	7	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Anaesthesia for thoracic surgery	Understand the lecture	7	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application	Anaesthesia for thoracic surgery	Understand the lecture	7	1

	<b>in the laboratory</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Anaesthesia for thoracic surgery	<b>Understand the lecture</b>	7	2
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Day surgery	<b>Understand the lecture</b>	7	2
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Day surgery	<b>Understand the lecture</b>	7	2
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Day surgery	<b>Understand the lecture</b>	7	2
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Recovery & complication	<b>Understand the lecture</b>	7	2
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Recovery & complication & infant resuscitation	<b>Understand the lecture</b>	7	2
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Induced hypotension	<b>Understand the lecture</b>	7	2
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	CPR	<b>Understand the lecture</b>	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	CPR	Understand the lecture	7	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Emergency conditions	Understand the lecture	7	3
<b>Course evaluation</b>					
the audience S Peer evaluation Weekly reports					
<b>Learning and teaching resources</b>					
Other book of clinical anesthesiology		<b>Main references (sources)</b>			
Anesthesia and analgesia journal British journal of anaesthesia others		<b>Recommended supporting books and references (scientific journals, reports)</b>			
Pubmed Google scholar Web of sciences Embase		<b>Electronic references, Internet sources</b>			

### Course description form

<b>Course Name</b>				
<b>Course Code</b>				
MU0533				
<b>Semester/year</b>				
the first /2023-2024				
<b>Date this description was prepared</b>				
2/29/2024				
<b>Available attendance forms</b>				
<b>My presence</b>				
<b>Number of study hours (total)/number of units (total)</b>				
240 hours				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
<b>Name: Email:</b>				
<b>Course objectives</b>				
<b>Objectives of the study</b>				
<p>At the end of the academic year, the student should be able to recognize the most important concepts of the art and science of surgery and understand surgical problems and how to deal with problems</p>				
<b>Teaching and learning strategies</b>				
<p>Practical methods, theoretical methods, hospitals, as well as clarification methods, educational videos, as well as open discussion methods, with tests placed at the end of the lecture, and also a method for displaying the cysts.</p>				
<b>Course structure</b>				
<b>Evaluation method</b>	<b>Learning method</b>	<b>Name of the unit or topic</b>	<b>Required learning outcomes</b>	<b>hours</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Digestive Tract (GIT) General Review & Surgical Approaches	<b>Understand the lecture</b>	1 Theoretical 3 practical
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given and practical application in the laboratory</b>	Salivary glands	<b>Understand the lecture</b>	1 Theoretical 3 practical

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

tests in laboratories	Practical application in the laboratory				
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Rectum& anus	Understand the lecture	1 Theoretical 3 practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Abdominal wall & Hernia	Understand the lecture	1 Theoretical 3 practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Breast	Understand the lecture	1 Theoretical 3 practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Urinary tract: surgical anatomy, congenital anomalies, investigations	Understand the lecture	1 Theoretical 3 practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Trauma to the: Kidneys,	Understand the lecture	1 Theoretical 3 practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Hydronephrosis, urinary stones	Understand the lecture	1 Theoretical 3 practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Urinary Tract Infections (UTI)	Understand the lecture	1 Theoretical 3 practical	1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application	Urination Disorders	Understand the lecture	1 Theoretical 3 practical	1

	<b>in the laboratory</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Urinary tumours.	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Urogenital Tract in Males: Prostate, Testis, Penis	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Thorax surgery: Respiratory Pathophysiology & General review	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Trauma to thorax: Rib	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	pneumothorax, Haemothorax	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Pleural Effusion,	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Chest tube: Applications & Management	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	Long tumours, Mediastina masses	<b>Understand the lecture</b>	<b>1 Theoretical 3 practical</b>	<b>2</b>



Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Types of Thoracic operations	Understand the lecture	1 Theoretical 3 practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Congenital heart diseases, Acquired heart diseases	Understand the lecture	1 Theoretical 3 practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Cardiopulmonary resuscitation	Understand the lecture	1 Theoretical 3 practical	3
<b>Course evaluation</b>					tion
					the audic
					S
					Peer evaluation
					Weekly rep
<b>Learning and teaching resources</b>					ces
Snell clinical anatomy 9 edition			<b>Main references</b>		(sour
			<b>Recommended supporting books and references</b> (scientific journals, reports)		refer
			<b>Electronic references, Internet</b>		port

## Course description form

<b>Course Name</b>				
<b>Internal Medicine</b>				
<b>Course Code</b>				
MUC533				
<b>Semester/year</b>				
the first /2023-				
<b>Date this description was prepared</b>				
/29/2				
<b>Available attendance forms</b>				
<b>My presence</b>				
<b>Number of study hours (total)/number of units (total)</b>				
150 hours				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>8. Course objectives</b>				
<p>At the end of the academic year, the student should be able to deal with the patient through a comprehensive examination and attempt to diagnose the diseases in detail before starting the process of performing general anesthesia.</p>			<p><b>Objectives of the study subject</b></p>	
<b>Teaching and learning strategies</b>				
<p>Practical methods, theoretical methods, hospitals, as well as clarification methods, educational videos, as well as open discussion methods, with tests placed at the end of the lecture, and also a method for displaying the cysts.</p>				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Jaundice: classification, causes, clinical features, diagnosis	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	Jaundice: classification, causes, clinical features, diagnosis	Understand the lecture	2 Theoretical 3, Practical

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Peptic ulcer disease: Duodenal ulcer	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Peptic ulcer disease: Gastric ulcer	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Renal failure: acute renal failure, chronic renal failure: clinical features, investigations and treatment	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Renal failure: acute renal failure, chronic renal failure: clinical features, investigations and treatment	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Ischemic heart diseases: clinical features, diagnosis, treatment	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Arrhythmias: cardiac arrest.	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Arrhythmias: cardiac arrest	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Heart failure: definition, classification, causes, precipitating factors, investigations, treatment.	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical	Lecture given	Heart failure: definition, classification, causes,	Understand the lecture	2 Theoretical 3, Practical

tests in laboratories	Practical application in the laboratory	precipitating factors, investigation, treatment.		
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Hypertension, definition, types: primary and secondary hypertension. Complications, investigation, treatment	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Hypertension, definition, types: primary and secondary hypertension. Complications, investigation, treatment	Understand the lecture	2 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	2 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	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Pulmonary: TB	Understand the lecture	2 Theoretical 3, Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Pulmonary: TB	Understand the lecture	2 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	2 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	2 Theoretical 3, Practical

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

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Diabetes mellitus: definition/clinical features/complications/treatment	Understand the lecture	2 Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Cushing syndrome: diagnosis, clinical features, investigations and treatment	Understand the lecture	2 Theoretical 3, Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Disturbances of water and electrolytes.	Understand the lecture	2 Theoretical 3, Practical	3
<b>Course evaluation</b>					tion
					the audie
					S
					Peer e valua
					Weekly rep
<b>Learning and teaching resources</b>					ces .
1. Davidson's Principles and Practice of Medicine-23 Edition.2. Emergency Medicine.			<b>Main references</b> (sour		
			<b>Recommended supporting books and referen</b>		
			<b>(scientific journals, report</b>		
Electronic library			<b>Electronic references, Internet</b>		

## Course description form

<b>1. Course Name</b>				
computer applications				
<b>2. Course Code</b>				
MU0533004				
<b>3. Semester/year</b>				
the first /2023-2024				
<b>4. Date this description was prepared</b>				
2/29/2024				
<b>5. Available attendance forms</b>				
My presence				
<b>6. Number of study hours (total)/number of units (total)</b>				
90 hours				
<b>7. Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>8. Course objectives</b>				
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.			<b>Objectives of the study subject</b>	
<b>9. Teaching and learning strategies</b>				
Practical methods, theoretical methods, as well as clarification methods, educational videos, and open discussion methods, with tests placed at the end of the lecture.				
<b>10. Course structure</b>				
<b>Evaluation method</b>	<b>Learning method</b>	<b>Name of the unit or topic</b>	<b>Required learning outcomes</b>	<b>hours</b>
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Introduction of spss	Understand the lecture	2 Theoretical 1, Practical
Short exam, surprise exam and daily activity	Lecture given and practical application in the laboratory	Variable view and Data view	Understand the lecture	2 Theoretical 1, Practical

Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Transformation and analysis	Understand the lecture	2 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	2 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	2 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	2 Theoretical 1, Practical	8
Short exam, surprise exam and daily activity	Lecture given Practical application in the laboratory	Non-parametric test	Understand the lecture	2 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



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

<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	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).	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>15</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Encyclopedia of human body	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>16</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Encyclopedia of human body	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>17</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Encyclopedia of human body	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>18</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Encyclopedia of human body	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>19</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Show	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>20</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>21</b>

<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>22</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>23</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>24</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>25</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>26</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>27</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>28</b>
<b>Short exam, surprise exam and daily activity</b>	<b>Lecture given Practical application in the laboratory</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>29</b>
<b>Short exam, surprise exam</b>	<b>Lecture given</b>	Body works Health & Fitness Living Lessons	<b>Understand the lecture</b>	<b>2 Theoretical 1, Practical</b>	<b>30</b>

<b>and daily activity</b>	<b>Practical application in the laboratory</b>			
<b>1. Course evaluation</b>				
the audience				
Share				
Peer evaluation				
Weekly reports				
<b>2. Learning and teaching resources</b>				
Norusis, M. (2008). SPSS 16.0 advanced statistical procedures companion. Prentice Hall Press. Morgan, GA, Barrett, KC, Leech, NL, &		<b>Main references (sources)</b>		
Gloeckner, G. W. (2019). IBM SPSS for introductory statistics: Use and interpretation. Routledge				
<b>Scientific journals</b>		<b>Recommended supporting books and references (scientific journals, reports....)</b>		
Electronic library		<b>Electronic references, Internet sites</b>		

## Course description form

<b>1. Course Name</b>				
Anesthesia equipment techniques2				
<b>2. Course Code</b>				
				MU0533
<b>3. Semester/year</b>				
the first /2023-2024				
<b>4. Date this description was prepared</b>				
2/29/2024				
<b>5. Available attendance forms</b>				
My presence				
<b>6. Number of study hours (total)/number of units (total)</b>				
210 hours				
<b>7. Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>8. Course objectives</b>				
<p>General objective: To introduce all medical devices used in anesthesia</p> <p><b>Specific objectives: The student will be able to</b></p> <p><b>Use of all different anesthesia devices</b></p> <p><b>Maintaining and maintaining all anesthesia devices</b></p> <p><b>Identify all parts of medical devices used in anesthesia and their techniques.</b></p>			<b>Objectives of the study subject</b>	
<b>9. Teaching and learning strategies</b>				
Practical methods, theoretical methods, as well as clarification methods, educational videos, and open discussion methods, with tests placed at the end of the lecture.				
<b>.Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the	Breathing system and their component, definition, classification, working principle	<b>Understand the lecture</b>	7

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

<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Airway management device: artificial airway, face mask, laryngeal mask	<b>Understand the lecture</b>	<b>7</b>	<b>6</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Endotracheal tubes, definition and types, ETT for special purpose	<b>Understand the lecture</b>	<b>7</b>	<b>7</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Endotracheal tubes, definition and types, ETT for special purpose	<b>Understand the lecture</b>	<b>7</b>	<b>8</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Laryngoscope, aids to intubation, emergency airway	<b>Understand the lecture</b>	<b>7</b>	<b>9</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia</b>	Laryngoscope, aids to intubation, emergency airway	<b>Understand the lecture</b>	<b>7</b>	<b>10</b>

	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 tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Advanced types in ventilator: principles and examples	Understand the lecture	7	15



tests in laboratories	for practical material 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	Advanced types in ventilator: principles and examples	Understand the lecture	7	16
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

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

	<b>within the anesthesia laboratory and the operating room</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Physiological monitoring: principles and non-invasive monitoring, classification of monitoring equipment	<b>Understand the lecture</b>	<b>7</b>	<b>25</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Physiological monitoring: principles and non-invasive monitoring, classification of monitoring equipment	<b>Understand the lecture</b>	<b>7</b>	<b>26</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Monitoring of blood pressure, invasive and non-invasive, pulse oximeter	<b>Understand the lecture</b>	<b>7</b>	<b>27</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Monitoring of blood pressure, invasive and non-invasive, pulse oximeter	<b>Understand the lecture</b>	<b>7</b>	<b>28</b>

Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	ECG and temperature monitoring equipment	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 temperature monitoring equipment	Understand the lecture	7	30

**11. Course evaluation**

the audience  
Share  
Peer evaluation  
Weekly reports

**12. Learning and teaching resources**

Essential anesthesia equipment Baha alshake anesthesia equipment Basic miller of anesthesiaMorgan and Mikhails	Main references (sources)
Anesthesia and analgesia journal British journal of anesthesia Others	Recommended supporting books and references (scientific journals, reports....)
PubmedGoogle scholar Web of sciences EmbaseOther	Electronic references, Internet sites

## Course description form

<b>1. Course Name</b>					
Intensive care techniques1					
<b>2. Course Code</b>					
MU0533					
<b>3. Semester/year</b>					
the first /2023-2024					
<b>4. Date this description was prepared</b>					
2/29/2024					
<b>5. Available attendance forms</b>					
My presence					
<b>6. Number of study hours (total)/number of units (total)</b>					
210 hours					
<b>7. Name of the course administrator (if more than one name is mentioned)</b>					
Name: Email:					
<b>8. Course objectives</b>					
Overall goal: Learn about the basics of intensive care, identifying patients who need intensive care, and how to deal with critically ill patients.			Objectives of the study subject		
<b>9. Teaching and learning strategies</b>					
Practical methods, theoretical methods, as well as clarification methods, educational videos, and open discussion methods, with tests placed at the end of the lecture.					
<b>10. Course structure</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory	Principles of ICU	Understand the lecture	2 theoretical, 2 practical	1
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the	Principles of ICU	Understand the lecture	2 theoretical, 2 practical	2

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

<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Clinical monitoring.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>7</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Clinical monitoring.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>8</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Clinical monitoring.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>9</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Clinical monitoring.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>10</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia</b>	Cardio pulmonary resuscitation.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>11</b>

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



<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Special complications DVT, Pneumothorax stress ulcer, ARDS.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>16</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Special complications DVT, Pneumothorax stress ulcer, ARDS.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>17</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	CNS: glasco coma scale, head injury.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>18</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	CNS: glasco coma scale, head injury.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>19</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia</b>	Indication of intubations. Ventilation & Extubation	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>20</b>

	<b>laboratory and the operating room</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Indication of intubations. Ventilation & Extubation	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>21</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Indication of intubations. Ventilation & Extubation	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>22</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Emergency drugs.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>23</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Emergency drugs.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>24</b>
<b>Actual theoretical tests - practical</b>	<b>Theoretical material - laboratories</b>	Emergency drugs.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>25</b>

tests in laboratories	for practical material within the anesthesia laboratory and the operating room	monitoring equipment			
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Blood & blood transfusion.	Understand the lecture	2 theoretical, 2 practical	26
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	Blood & blood transfusion.	Understand the lecture	2 theoretical, 2 practical	27
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room	IVF & water & electrolyte balance.	Understand the lecture	2 theoretical, 2 practical	28
Actual theoretical tests - practical tests in laboratories	Theoretical material - laboratories for practical material within the anesthesia laboratory and the	Nutrition.	Understand the lecture	2 theoretical, 2 practical	29

	<b>operating room</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Theoretical material - laboratories for practical material within the anesthesia laboratory and the operating room</b>	Delayed recovery.	<b>Understand the lecture</b>	<b>2 theoretical, 2 practical</b>	<b>30</b>

<b>1. Course evaluation</b>
the audience Share Peer evaluation Weekly reports

<b>1. ABC of intensive care. 2nd ed., Graham R. Nimmo</b> <b>2. The Anesthesia Technician &amp; Technologist's Manual</b>	<b>Main references (sources)</b>
1. clinical anesthesiology. 5th ed., John F. Butterworth IV, MD	<b>Recommended supporting books and references (scientific journals, reports....)</b>
Pubmed Google scholar Web of sciences Embase Other	<b>Electronic references, Internet sites</b>

### Course description form

<b>Course Name</b>				
Anesthesia devices				
<b>Course Code</b>				
MU 534				
<b>Semester/year</b>				
2023-2024				
<b>Date this description was prepared</b>				
1/29/2024				
<b>Available attendance forms</b>				
My presence				
<b>Number of study hours (total)/number of units (total)</b>				
180 hours – 4 credits				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>Course objectives</b>				
<p><b>At the end of the academic year, the student will be able to: - Use all the different anesthesia devices. Maintenance and maintenance of all anesthesia equipment. Identify all parts of medical devices used in anesthesia and their techniques</b></p>			<p><b>Objectives of the study</b></p>	
<b>Teaching and learning strategies</b>				
<p>theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion method</p>				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Suction units</b>	Understand the lecture	2- Theoretical 4- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Suction units</b>	Understand the lecture	2- Theoretical 4- Practical
Actual theoretical tests - practical tests	Lecture given Practical application	<b>Suction units</b>	Understand the lecture	2- Theoretical 4- Practical

<b>tests in laboratories</b>	<b>in the laboratory</b>			
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Suction units</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Suction units</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Ventilators</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Ventilators</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Ventilators</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Ventilators</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Ventilators</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Ventilators</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Monitoring system</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>

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

tests in laboratories	Practical application in the laboratory				
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Electrical hazards	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Electrical hazards	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Electrical hazards	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Electrical hazards	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Layout+ contents of anesthetics room and RCU	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Layout+ contents of anesthetics room and RCU	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Layout+ contents of anesthetics room and RCU	Understand the lecture	2- Theoretical 4- Practical	2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application	Electrocardiography	Understand the lecture	2- Theoretical 4- Practical	2



	<b>in the laboratory</b>				
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Electrocardiography</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>2</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Electrocardiography</b>	<b>Understand the lecture</b>	<b>2- Theoretical 4- Practical</b>	<b>3</b>
<b>Course evaluation</b>					<b>tion</b>
					<b>the audie</b>
					<b>S</b>
					<b>Peer evalua</b>
					<b>Weekly rep</b>
<b>Learning and teaching resources</b>					<b>ces</b>
<b>Essential anesthesia equipment Baha alshake anesthesia equipment Basic mill of anesthesia Morgan and Michaels</b>			<b>Main references (sour</b>		
<b>Pubmed Googlescholar Web of sciences Embase Other</b>			<b>Re commended supporting books and refe re (scientific journals, r port</b>		
<b>Medical website</b>			<b>Electronic references, Intern et .</b>		

### Course description form

<b>Course Name</b>				
Anesthesia				
<b>Course Code</b>				
MU0534				
<b>Semester/year</b>				
2023-2024				
<b>Date this description was prepared</b>				
12/29/2023				
<b>Available attendance for</b>				
My presence				
<b>Number of study hours (total)/number of units (total)</b>				
210hour -4 academic credits				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>Course objectives</b>				
<b>Objectives of the study</b>				
<p><b>At the end of the academic year, the student will be able to: - Use all the different anesthesia devices. How to give anesthetics. How to resuscitate a patient. Recognize patient care wisely when an emergency occurs</b></p>				
<b>Teaching and learning strategies</b>				
<p>theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion method</p>				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Maternal Anatomical &amp; Physiological changes</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Maternal Anatomical &amp; Physiological changes</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application	<b>Geriatric Anatomical &amp; Physiological changes</b>	Understand the lecture	2- Theoretical 5- Practical

	<b>in the laboratory</b>			
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Anaesthesia-Effects on Respiratory function.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Endotracheal intubation- difficult intubation</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Positioning in anaesthesia, legal point about surgery, regent surgery, emergency surgery.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Hypoxia during surgery and post operative legal point about pre-medical visit &amp; doctors consultations.</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Co2 changes Hypercapnoea” “Hypocapnoea” Applications</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Desirable ventilator characteristics</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Obesity &amp; Anaesthesia</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>
<b>Actual theoretical tests - practical tests in laboratories</b>	<b>Lecture given Practical application in the laboratory</b>	<b>Alcohol &amp; Anaesthesia</b>	<b>Understand the lecture</b>	<b>2- Theoretical 5- Practical</b>

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Renal Disease &amp; Anaesthesia</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Liver Disease &amp; Anaesthesia</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Anaemia &amp; Anaesthesia Sickle cell anemia</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Gastric Acid Aspiraiton syndrome, pre-eclampsia</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Coronary artery diseases in non-cardiac surgery.</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Hypertension Atherosclerosis, Heart Failure, Old</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Valvular lesions &amp; Anaesthesia, General note about open heart surgery</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>one lung anaesthesia, Bronchoscopy</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical	Lecture given	<b>Diabetes Mellitis &amp; Anaesthesia.</b>	Understand the lecture	2- Theoretical 5- Practical

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

	in the laboratory	problems, lower limb problems, toxic reaction.		
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	shock syndrome & Anaesthesia in general.	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Hypersensitivity reactions & Anaesthesia” in general	Understand the lecture	2- Theoretical 5- Practical
<b>Course evaluation</b>				
the audie S Peer evalua Week y rep				
<b>Learning and teaching resources</b>				
<b>Clinical anesthesiology, Fundamental, Oxford Google ASA, scopas</b>			Main references (sour	
			Recommended supporting books and refere (scientific journals, r report	
ouTube channel, ASA, slide share, pint rest			Electronic references, Internet	

### Course description form

<b>Course Name</b>				
<b>Course Code</b>				
<b>MU 0534</b>				
<b>Semester/year</b>				
2023-2024				
<b>Date this description was prepared</b>				
1/29/2023				
<b>Available attendance forms</b>				
<b>My presence</b>				
<b>Number of study hours (total)/number of units (total)</b>				
360hour -4 academic credits				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
<b>Name: Email:</b>				
<b>Course objectives</b>				
<p style="text-align: center;"><b>Understand the historical and development of nursing profession.</b></p> <p style="text-align: center;"><b>Realize the personal characteristics and human needs.</b></p> <p style="text-align: center;"><b>Recognize the concept of health, wellness, and illness.</b></p> <p style="text-align: center;"><b>Describe the health care delivery system.</b></p> <p style="text-align: center;"><b>Identify the fundamentals of nursing in regard to patient, nurse, environment, and health agencies</b></p>				
<b>Teaching and learning strategies</b>				
theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion method				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Introduction about nursing</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Concept of nursing process:stages</b>	Understand the lecture	2- Theoretical 5- Practical
Actual theoretical tests - practical	Lecture given Practical application	<b>Preoperative nursing management:</b>	Understand the lecture	2- Theoretical 5- Practical

tests in laboratories	in the laboratory	general physical assessment			
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	pre-anesthetic intra anesthetic and post anesthetic management of the patient	Understand the lecture	2- Theoretical 5- Practical	9-1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Preoperative nursing management	Understand the lecture	2- Theoretical 5- Practical	11-1
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Nursing care in the recovery room	Understand the lecture	2- Theoretical 5- Practical	15-2
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Post operation nursing care	Understand the lecture	2- Theoretical 5- Practical	23-2

Course evaluation

the audic

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Peer evaluation

Weekly report

Learning and teaching resources

Taylor, C.; Lillis, C. Brunner, L.; LeMone, P.; Lynn, P.: Fundamentals of nursing, seventh ed., New York, Lippincott Co., 2011. Malak, M. and Al-Maharmeh, A.; Fundamentals (Foundations) of Nursing, First Edition, Amman: Dar Al Bedaia, 2009

Main references (sources)

Recommended supporting and references (scientific journals, reports)

YouTube channel, ASA, slide share, pint rest

Electronic references, Internet



### Course description form

<b>Course Name</b>				
Internal medicine and surgery				
<b>Course Code</b>				
MU0534				
<b>Semester/year</b>				
2023-2024				
<b>Date this description was prepared</b>				
/29/2023				
<b>Available attendance for</b>				
My presence				
<b>Number of study hours (total)/number of units (total)</b>				
150hour -3 academic credits				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
Name: Email:				
<b>Course objectives</b>				
Introducing the student to the various organs of the body and the impact of injuries and diseases on them from an anatomical and physiological perspective, and the complications resulting from them, as well as teaching the student the symptoms and signs of these conditions and the basic frameworks for how to deal with them. Introducing the student to the cases that require intervention and clarifying the nature of this intervention, with a focus on emergency cases.				objectives of study subjects
<b>Teaching and learning strategies</b>				
theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion methods				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Traumatology</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Shock (types, pathophysiology, management)</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests -	Lecture given	<b>Burn, plastic surgery</b>	Understand the lecture	2- Theoretical

practical tests in laboratories	Practical application in the laboratory			3-Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Warfare injuries	Understand the lecture	2-Theoretical 3-Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Management of haemopneumothorax, flail chest	Understand the lecture	2-Theoretical 3-Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Head injuries, SOL, management of unconscious patient, Spinal injuries, peripheral nerve injuries, Tracheostomy, otolaryngology	Understand the lecture	2-Theoretical 3-Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Head injuries, SOL, management of unconscious patient, Spinal injuries, peripheral nerve injuries, Tracheostomy, otolaryngology	Understand the lecture	2-Theoretical 3-Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Head injuries, SOL, management of unconscious patient, Spinal injuries, peripheral nerve injuries, Tracheostomy, otolaryngology	Understand the lecture	2-Theoretical 3-Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	DM: complications, management, preparation for operation	Understand the lecture	2-Theoretical 3-Practical
Actual theoretical tests - practical	Lecture given Practical application	Amputations	Understand the lecture	2-Theoretical

tests in laboratories	n in the laboratory			3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Endocrinology: Pituitary gland, Thyroid gland, Parathyroid gland &amp; calcium balance, Adrenal gland</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Endocrinology: Pituitary gland, Thyroid gland, Parathyroid gland &amp; calcium balance, Adrenal gland</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Endocrinology: Pituitary gland, Thyroid gland, Parathyroid gland &amp; calcium balance, Adrenal gland</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Endocrinology: Pituitary gland, Thyroid gland, Parathyroid gland &amp; calcium balance, Adrenal gland</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Preparation of patient with obstructive jaundice</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Preparation of patient with obstructive jaundice</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Surgical precautions in theater and ICU</b>	Understand the lecture	2- Theoretical 3- Practical

laboratories	laboratory			
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Management of respiratory failure, ARDS</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Management of hematemesis and melaena</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Management of coagulopathy and DIC</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Management of septicemia and MOFS</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>New techniques in surgery</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Transplantation</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Emergencies in female genital tract: injuries, ectopic pregnancy</b>	Understand the lecture	2- Theoretical 3- Practical

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Abortion, Caesarean section and hysterectomy</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Orthopedic surgery: fractures and dislocation</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Osteomyelitis: acute and chronic, tumors of skeletal system</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Wrist, hand and foot</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Ophthalmology</b>	Understand the lecture	2- Theoretical 3- Practical
<b>Course evaluation</b>				
the audience S Peer evaluation Weekly reports				
<b>Learning and teaching resources</b>				
<b>Principles of medicine and surgery, short notes</b>			Main references (sources)	
<b>Davidson, Macloeid Baily and love, short practice in surgery 26th ED Swartz clinical surgery 11th ED</b>			Recommended scientific books and journals reports	
<b>YouTube channel, ASA, slide share, pint rest</b>			Electronic references Internet	



### Course description form

<b>Course Name</b>				
<b>Intensive</b>				
<b>Course Code</b>				
<b>MU 534</b>				
<b>Semester/year</b>				
2023-2024				
<b>Date this description was prepared</b>				
1/29/2024				
<b>Available attendance forms</b>				
<b>My presence</b>				
<b>Number of study hours (total)/number of units (total)</b>				
<b>180 hour -4 academic credits</b>				
<b>Name of the course administrator (if more than one name is mentioned)</b>				
<b>Name: Email:</b>				
<b>Course objectives</b>				
<b>Course objectives: - To develop an idea about all the devices used in intensive care units</b>				Objectives of study subjects
<b>Operating equipment in intensive care units</b>				
<b>Maintaining and repairing devices</b>				
<b>Teaching and learning strategies</b>				
Theoretical and practical laboratory methods, lectures, photographic and video illustrations, three-dimensional models, and open discussion method				
<b>Course structure</b>				
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Recognition and Management of critically ill patient.</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given and practical application in the laboratory	<b>Defibrillators</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical	Lecture given Practical application	<b>Defibrillators</b>	Understand the lecture	2- Theoretical

tests in laboratories	n in the laboratory			3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Defibrillators	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Q2 regulator	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Q2 regulator	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Q2 regulator	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Aims and classification of patient monitoring	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Aims and classification of patient monitoring	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Aims and classification of patient monitoring	Understand the lecture	2- Theoretical 3- Practical



laboratories	laboratory			
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>ECG monitors attached to patient</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>ECG monitors attached to patient</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>ECG monitors attached to patient</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>ECG monitors attached to patient</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Monitors in central monitoring station</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Monitors in central monitoring station</b>	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	<b>Alarm system &amp; devices</b>	Understand the lecture	2- Theoretical 3- Practical

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Alarm system & devices	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Memory devices	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Monitoring and records of critically ill patient	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Monitoring and records of critically ill patient	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Recording devices	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Recording devices	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	nutrition	Understand the lecture	2- Theoretical 3- Practical

Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	nutrition	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Blood transfusion	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Blood transfusion	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Blood transfusion	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Blood transfusion	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Blood transfusion	Understand the lecture	2- Theoretical 3- Practical
Actual theoretical tests - practical tests in laboratories	Lecture given Practical application in the laboratory	Blood transfusion	Understand the lecture	2- Theoretical 3- Practical
<b>Course evaluation</b>				
the audience S Peer evaluation Weekly reports				
<b>Learning and teaching resources</b>				
<b>OH'S INTENSIVE CARE MANUAL SEVENTH EDITION</b>			Main references (sources)	

	Recommended sources books and references (scientific journals, reports, etc.)
<b>YouTube channel, ASA, slide share, pint rest</b>	Electronic references