



University of Baghdad

College of Nursing

Course Syllabus

Anatomy

2021-2022

Developed by: Dr. Ibtisam Khalaf Abd Ali

Revised: 1/9/2021

**This syllabus is subject to change. Changes will be announced to students.
It is the responsibility of the student to comply with any changes.**



Course Title: **Anatomy for Nursing**

1. **Credit Hours:**

Theory (3) Hours

Practical Hours (2) Hours

2. Course calendar : (15) weeks Total (75) hours

3. Placement : first year / First semester

Course Description: Anatomy: This course is describing Anatomy , Definition of the science of Anatomy, Types of anatomy , The human body systems ,the constituent, the organs of each system in the body their structures (Macroscopic and Microscopic) , locations and their relation with each other .

Teaching Methods: Lecture, discussion, handouts, assignments, group work, projects, and more.

Evaluation Methods: Active participation, presentations, written assignments, exams, and more.

Faculty Information:

1. Prof.assist. **Dr. Alaa Hassan Merza Hussain** PhD Pathology e-mail :

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Course Requirements

To complete the course successfully, the student will:

1. Adhere to the policies stated in this syllabus. .

2. Attend all classes and other scheduled requirements. No points will be given for attendance, but absence may affect the student's ability to obtain information needed for successful completion of the course.

Distribution of Points:

The total grade is divided as course requirements 60% (Theory 45% 15% practical) .

Theory: two midterm exams 40%, Quizzes 5% , . The Practical 10% practical exam and 5% Quizzes plus lab activities.

The final practical exam 10%, and the final theory exam 30%. The total grade is 100%.

Course Learning Objectives (theory and practical)

By the completion of this course the student will be able to:

1. Describe normal Body systems and organs ,their Structures ,locations ,their importance to the body and their functions .
2. Analyze the clinical disorders in the human body organs and systems
3. The student will be able to be to study clinical anatomy.

Content: Theory

Date of Class	Unit to be Covered and/or Activity	Assigned Readings to be Completed Before Class
Week 1	Introduction to the Anatomy, Definition of Anatomy ,Histology, The cell and Tissue. Division of the anatomy The main Tissues of the body, Types of Epithelium	
Week 2	The Digestive System The general structure of GIT, Describe The Constituents of the GIT, The Structure of the elementary canal (The Oral Cavity , the pharynx, Esophagus). describe Their structure , shape, location and functions. The Stomach ,Parts and structure of the stomach and the blood and nerve innervation	
Week3	The Small intestine ,The constituents of Small intestine , Structure ,Innervation , Blood vessels of the small intestine , The constituents (parts) of Large Intestine , The Accessory organs (Salivary glands , Liver , Gall bladder and Pancreas), Describe The structure , shape, location and functions blood and nerve innervation.	

Week 4	The Respiratory system Describe The anatomical Structure of the Upper Respiratory tract and the lower Respiratory tract their structure , shape, location, functions and Clinical Disorders Structures of Nasal Cavity , The nose, Paranasal Sinuses , The Structure of the Pharynx, The Larynx or Voice Box , of Larynx, The Trachea, The Bronchi and the Bronchial Tree , The Lungs, The constituents of the Lungs) also describe the blood and nerve innervation	
Week5	The skeletal system Describe The Types of bone, classifications of Bones, The component of the skeletal system, and the Division and functions of the Skelton, The constituents of axial Skelton and peripheral skeleton . classified of the skeleton according to their shape . Types of Bone Cells. The joints, their Definition , characteristic features, types and classification of the Joints.	
Week 6	The Muscular system (Describe The Characteristic feature of Muscular Tissue, Types Of Muscles , Structural Organization of Skeletal Muscle, Structural Organization of Myofibrils and Myofilaments, Structures of Neuromuscular Junction (Chemical Synapse and Motor End Plate) , Functions Of Skeletal Muscle, Development Of Skeletal Muscle, Cardiac Muscle Fibers, Specific structure of cardiac muscle fiber, Characteristic features of Smooth Muscle Fiber, Types of Smooth Muscle , The Differences Between Skeletal Muscle, Cardiac Muscle And Smooth Muscle Tissues,	
Week 7	The Nervous system , Describe The nervous tissue The Structure of the neuron ,types of neurons The main character features of the nerve cells , Types of neurons according to the shape and size of their processes and functions , classification and Division of the nervous system , The parts of the Central Nervous System, their location and functions , Brain ventricles, Blood brain barrier . The Brain, Parts of the brain, The Spinal Cord, The structure of the spinal cord, Division of the spinal cord,	
Week 8	The Peripheral Nervous System, Describe The Structure , parts and division of Peripheral nervous system ,their location and functions .The Cranial Nerves. The Spinal Nerves .	
Week 9	Endocrine system : describe the anatomical structure of the endocrine system The classifications of endocrine glands their structure ,location and functions ,Definitions off the glands and Hormones .	
Week 10	The Circulatory system (The Heart , valves and The Blood Vessels) Describe The location of the heart , parts and structure of the heart , Chambers of the Heart, The valves, Their structure , location and function ,the structure of the Cardiac Muscle, Sulci of the Heart , Fibrous skeleton of the Heart, Blood supply to the heart, ,Nerve Supply to the heart . .Describe The type of Blood Vessels structure, the Pericardium, the layers of blood vessels, study the differences between types of Blood vessels . The Haemopoitic system ,the structure ,components and functions of the Haemopoitic system.	
Week 11	The Lymphatic system, Definition, Functions, and the Components of the Lymphatic System .The Lymph , Lymphatic Vessels,. Lymph Nodes, Structure of lymph Node, Cells of Lymph Nodes, Functions of Lymph Nodes, Lymphatic Organs,(The Spleen and The thymus gland) their structure and functions . Organs of Immune System, Cells of Immune System, Types and functions of T- Lymphocytes	

Week 12	The Urinary system Describe The Structure, location, of the Kidneys, ureter, urinary bladder and urethra also describe their , shape, and function. also describe the blood and nerve innervation	
Week 13	The Reproductive system :(The Male Reproductive system) Describe the anatomical structure ,location and functions of the male reproductive organs ,The Parts of the male reproductive organs and the accessory sex glands also describe the blood and nerve innervation.	
Week 14	The Reproductive system :(The Female Reproductive system) Describe the anatomical structure ,location,, shape and functions of the Female Reproductive organs Describe the parts of Female Reproductive organs and the accessory sex glands also describe the blood and nerve innervation.	
Week 15	The Special Sense Organs : describe the anatomical structure ,location ,functions of the eye and ear . describe the blood and nerve innervation. The Integumentary system : Describe the Skin the structure, layers and cells of the skin.	

References

1. 1. Ross and Wilson Anatomy and Physiology in Health and Illness ,Thirteen edition.,2018.

2.<http://cnx.org/content/col11496/1.8>

J. Gordon Betts, Peter Desaix, Eddie Johnson, Jody E. Johnson, Oksana Korol, Dean Kruse, Brandon Poe, James A. Wise, Mark Womble, Kelly A. Young, Anatomy and Physiology ,2017.

3. Frederic H.Martini,Willam C.Ober,M.D,Claire W.Garrison,R.NK.athleen Welch,M.D.and Ralph T.Huchinges,

4. Fundamental Anatomy & Physiology ".9 ed.and 11 ed 2017

5 . **Snell Clinical Anatomy by Regions**

6. . Harold Ellis., CBE, MA, DM, MCh, FRCS, FRCP, FRCOG, FACS (Hon) Clinical Anatomist, Guy's, King's and St Thomas' School of Biomedical Sciences; Emeritus Professor of Surgery, Charing Cross and Westminster Medical School, London; Formerly Examiner in Anatomy, Primary FRCS (Eng) .**Clinical Anatomy Applied anatomy for students and junior doctors.**, Eleventh Edition.,2006.

Domains (Theory)	45 Points
The First midterm exam	20
The second midterm exam	20
Quizzes and Dissection	5
Total	45

Due Dates

The first midterm exam	7/2/2022
The second midterm exam	28//3/2022
The practical exam	21/2 /2022

Content (Practical)

Date of Class	Assigned Readings to be Completed Before Class	Description
Week 1	Lab 1The Microscope	Describe the Parts of Microscope and how to use it
Week 2	Lab 2/ The cell	The compartment of the cell 1-plasma membranes 2-cytoplasm 3-nucleus The organelles of the cell
Week 3	Lab 3/ Types of human body Tissues	1-Epithelial tissue 2-connective tissue

		3-muscular tissue 4-nerves tissue
Week 4	Lab4/Anatomical terminology	anatomical terms are used for precise anatomical description of mutual relationship of the various structures of the body
Week 5	Lab 5/The skeleton	Classification of bones Division of the skeletal system Appendicular skeleton Axial skeleton
Week 6	Lab 6/Anatomy of skeletal system	shoulder girdle and upper limbs Pelvic girdle and lower limbs The joints
Week 7	Lab 7/Anatomy of skeletal system	Bones of the Axial Skeleton (Bones of the Vertebral Column , Ribs and The Skull).
Week 8	Lab8/The Muscular system	The muscles of the upper and lower limbs The muscles of the abdominal region
Week 9	Lab 9/The Digestive system	Demonstration the Gastrointestinal tract (GIT) component: Oral cavity, esophagus, stomach, Small and large Intestine also Demonstration the accessory organs (Liver and Pancreas) (using plastic models)
Week 10	Lab 10/ The Respiratory system	Demonstration the parts of the Respiratory system Nasal cavity, trachea, bronchi and lungs. (using plastic models)
Week 11	Lab 11/- The Cardiovascular system. (The Anatomy of the Heart)	Demonstration the structure of the heart ,chambers and heart valves (using plastic models)
Week 12	Lab 12/ The Cardiovascular system. (The Anatomy of the Blood Vessels: Anatomy of the Arteries and The veins)	The Blood supply to the upper and lower limb The Blood supply to the head and neck
Week 13	Lab 13) The Urinary system	Demonstration the structure of the kidney ,ureter and urinary bladder (using plastic models)
Week 14	Lab 14/ The Reproductive system :(The Female Reproductive system)	Demonstration the structure of the Female sex organs (using plastic models)

Week 15	Lab 15/ The Reproductive system :(The male Reproductive system)	Demonstration the structure of the male sex organs (using plastic models)
	Final Examination	

Requirements in the(Class and lab)

_ Uniform

- Wearing the lab coat

_ Notebook

Attendance Rules:

Present– 8:30 AM (Theory)

Late = 8:35 – 8, 45 AM

Absent = After 9:00 AM

Present in lab as the same for each group

Domains (Practical)	Points
The practical mid term exam	10
Quizzes and Dissection	5
Total	15