

**University of Baghdad  
College of Nursing  
BSN program**

*Course Syllabus*  
**Anatomy for Nursing**

**2022/2023  
1<sup>st</sup> Semester**

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

**Created: February 24, 2023 by ©prof.assist.dr. Alaa Hassan Meraza Hussain and prof.assist.dr. Ibtisam Khalaf  
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**General Information & Policies**

**Course Number and Title: Anatomy for Nursing**

**علم التشريح للممرضين**

**Number of Credit Hours: 4/credit**

**Times & Places: Sunday and Wednesday @8:30 -11:30AM- 11:30-2:30:30 AM)**

**Prerequisites:** None

**Course Description:**

It will provide nursing students with an understanding of the normal structure of the human body, how this structure provides the basis for the function and how this may be disrupted during the diseased state. Students gain an understanding of the structure of the human body on a variety of complex levels.

**Teaching Methods:**

1. The method of giving a lecture using PowerPoint and illustrative films related to the human body and the plastic organs and organs that make up it (models of laboratory dolls).
- 2- Continuous discussion by asking questions and answers in the hall and motivating the student to think about himself and thus to self-learning.
- 3- Using innovative educational aids such as the smart board and displaying scientific data, films and images that bring the material closer to the students' minds.

**Evaluation Methods:**

Two written exams for the theoretical and practical subjects  
Quizzes at least 3 times during the semester

**Student Evaluation;**

First midterm theory exam	15 %
Second midterm theory exam	15%
Practical exam	10 %
Final Exam	60%
Total	100 %

**Faculty, Contact Information, & Office Hours:**

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**Required Textbook(s) and Other Materials:**

**Textbooks and References**

1. Ian Peate, Muralitharan Nair, Anatomy and Physiology for Nurses at a Glance, 2015, Wiley Blackwell, England .UK

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

OpenStax book

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, William C. Ober, M.D., Claire W. Garrison, R.N.K. Athleen Welch, M.D. and Ralph T. Huchings, Fundamental Anatomy & Physiology ".fifth ed. 2010.

4. 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.

## Course Objectives

- 1- To be familiar with the structure of the human body and the organs and organs that make up it.
- 2- Clarifying the anatomical and histological structures of each organ in the human body and its constituent organs, which leads to the exact structure of these tissues (the cell and its components).
- 3- Identifying the cell and its components, shapes and precise structures with the help of illustrations and films.
4. Learn how to use the microscope in principle and display tissue slides to install specific organs in the human body.
5. Presenting plastic models of human body structures and identifying the parts and components of these structures for the purpose of clarifying the picture for students.
6. View the preserved skeletal models and identify the types, shapes and structures of each bone.
7. Identifying the types of joints in the human body and the type of joint movement using plastic models for each joint.

## Evaluation & Grading

### Distribution of Points:

Requirements	Possible Points
The midterm exam(two exams)	30%
Practical exam	10%
<b>The total of 40% before the final exam.</b>	
The Final exam	60%
<b>Total</b>	<b>100%</b>

## Theoretical vocabulary

### 1.A. The structure of the theoretical course

Week	Required learning outcomes	Unit to be Covered and/or Other Activity
<b>W1</b>	Required learning outcomes	Unit name and/or topic
<b>W2</b>	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	• Introduction to Anatomy Definition of Anatomy, Histology, The cell and Tissue. Division of the anatomy The main Tissues of the body, Types of Epithelium
<b>W3</b>	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	Anatomy of The Digestive System part 1

	and nerve innervation	
<b>W4</b>	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	Anatomy of The Digestive System part 2
<b>W5</b>	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	Anatomy of The Respiratory system
<b>W6</b>	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.,	Anatomy of The Skeletal system
<b>W 7</b>	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	The Anatomy of The Muscular system

	Tissues,	
<b>W8</b>	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,	The Anatomy of The Nervous System part 1
<b>W9</b>	The Peripheral Nervous System, Describe The Structure , parts and division of Peripheral nervous system ,their location and functions .The Cranial Nerves. The Spinal Nerves .	The Anatomy of The Nervous System part 2
<b>W10</b>	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	The Anatomy of The Endocrine System
<b>W11</b>	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.	The Anatomy of The Cardiovascular system
<b>W12</b>	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	The Anatomy of The Lymphatic system

	and The thymus gland) their structure and functions . Organs of Immune System, Cells of Immune System, Types and functions of T-Lymphocytes	
<b>W13</b>	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	The Anatomy of The Urinary System
<b>W14</b>	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.	The Anatomy of The Female Reproductive system
<b>W15</b>	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	The Anatomy of The Male Reproductive system

### **Practical Vocabulary**

B. Practical Course Structure			
weeks	Lab number	Study unit title	Hours
Week 1	Lab 1The Microscope	Describe the Parts of Microscope and how to use it	2
Week 2	Lab 2/ The cell	The compartment of the cell 1-plasma membranes 2-cytoplasm 3-nucleus  The organelles of the cell	2
Week 3	Lab 3/ Types of human body Tissues	1-Epithelial tissue 2-connective tissue 3-muscular tissue 4-nerve tissue	2
4week	Lab4/Anatomical terminology	anatomical terms are used for precise anatomical description of mutual relationship of the various structures of the body	2
Week 5	Lab 5/The skeleton	Classification of bones Division of the skeletal system Appendicular skeleton Axial skeleton	2

Week 6	Lab 6/Anatomy of skeletal system	shoulder girdle and upper limbs Pelvic girdle and lower limbs The joints	2
Week 7	Lab 7/Anatomy of skeletal system	Bones of the Axial Skeleton ( Bones of the Vertebral Column , Ribes and The Skull ).	2
Week 8	Lab8/The Muscular system	The muscles of the upper and lower limbs The muscles of the abdominal region	2
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 )	2
Week 10	Lab 10/ The Respiratory system	Demonstration the parts of the Respiratory system Nasal cavity,treachea,bronchi and lungs. (using plastic models )	2
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 )	2
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	2
Week 13	Lab 13) The Urinary system	Demonstration the structure of the kidney ,ureter and urinary bladder (using plastic models )	2
Week 14	Lab 14/ The Reproductive system :( The Female Reproductive system)	Demonstration the structure of the Female sex organs (using plastic models )	2
Week 15	Lab 15/ The Reproductive system :( The male Reproductive system)	Demonstration the structure of the male sex organs (using plastic models )	2

### Distribution of Points:

Requirements	Possible Points
Quizzes	2
Home works	1
Discussion	1
Practical exam	6
<b>The total of 10% before the final exam.</b>	
The Final exam	15%
<b>Total</b>	<b>25%</b>