Module (Course Syllabus) Catalogue

2023-2024

College/ Institute	**Mergasor Technical Institute**	
Department	**Nursing**	
Module Name	**Human Anatomy**	
Module Code	**HUA105**	
Degree	**Technical Diploma** [*] **Bachelor** [ ] **High Diploma** [ ] **Master** [ ] **PhD** [ ]	
Semester	**1**	
Qualification	**PhD**	
Scientific Title	**Lecturer**	
ECTS (Credits)	**7**	
Module type	**Prerequisite** [ ] **Core** [*] **Assist.** [ ]	
Weekly hours	**4**	
Weekly hours (Theory)	**(2) hr Class**	**( ) Total hrs Workload**
Weekly hours (Practical)	**(2) hr Class**	**( ) Total hrs Workload**
Number of Weeks	**12**	
Lecturer (Theory)	**Dr. Hazhar Muhammad Balaky**	
E-Mail & Mobile NO.	**hazhar.hamadameen@epu.edu.iq** **07504678667**	
Lecturer (Practical)	**Mrs. Nergz Baiz Abdulrahman**	
E-Mail & Mobile NO.	**Nergz.abdulrahman@epu.edu.iq** **07508065300**	
Websites		

Course Book

Course Description	Anatomy courses typically provide a comprehensive study of the structure and organization of the human body. These course covering topics such as skeletal system, muscular system, nervous system, circulatory system, and various other bodily structures and systems. Students learn about the names, locations, functions and interconnections of various anatomical components through a combination of lectures and laboratory works. These course serve as a foundational element for various healthcare professions, including medicine, Nursing, Physical Therapy and more, as they equip students with a fundamental understanding of the human body's form and function.
Course objectives	**Course objective:** The course goals are summarized below: 1. Identify structures: Develop the ability to accurately and name key anatomical structures within the human body. 2. Understand function: Gain insight into how anatomical structures relate to their respective functions and how they work together in physiological process. 3. Apply clinical Knowledge: Apply anatomical knowledge to clinical scenarios, enabling students to make informed decisions in healthcare settings. 4. Analyze Variations: Recognize and analyze variations in human anatomy, understanding the significance of these differences in healthcare practice. 5. Effectively Communicate: Develop effective communication skills for conveying anatomical information to colleagues, patients and other healthcare professionals.
Student's obligation	In order to succeed in Human Anatomy, you must attend lectures, Absences affect your understanding of the material. Absences due to illness are understandable but I would appreciate if you inform the head of your department and make contacting to the department office. Regardless of the reason, you should obtain lecture notes from a fellow student or me and check with me to make sure you understand the notes.
Required Learning Materials	**Lectures** For all students in the respective course of study take place in a lecture hall. All students take the lecture together. The lecturer will give a hard copy to all students and explain the contents of lectures by making slides in power point and presenting it by a projector.

<table>
<tr><td></td><td colspan="5">Seminars
Some time I will make groups for seminars each group will have 4-5 students depend on the number of students. Through student presentations and conversations, students' ability to dialogue with each other will promote and improve as well as to actively and critically deal with the material.</td></tr>
<tr><td rowspan="11">Evaluation</td><td colspan="2">Task</td><td>Weight (Marks)</td><td>Due Week</td><td>Relevant Learning Outcome</td></tr>
<tr><td colspan="2">Paper Review</td><td></td><td></td><td></td></tr>
<tr><td rowspan="6">Assignments</td><td>Homework</td><td>5</td><td></td><td></td></tr>
<tr><td>Class Activity</td><td>2</td><td></td><td></td></tr>
<tr><td>Report</td><td>5</td><td></td><td></td></tr>
<tr><td>Seminar</td><td>5</td><td></td><td></td></tr>
<tr><td>Essay</td><td></td><td></td><td></td></tr>
<tr><td>Project</td><td></td><td></td><td></td></tr>
<tr><td colspan="2">Quiz</td><td>8</td><td></td><td></td></tr>
<tr><td colspan="2">Lab. Report</td><td>10</td><td></td><td></td></tr>
<tr><td colspan="2">Midterm Exam</td><td>(10 theory + (15 Practical)</td><td></td><td></td></tr>
<tr><td colspan="2">Final Exam</td><td>40</td><td></td><td></td></tr>
<tr><td colspan="2">Total</td><td>100</td><td></td><td></td></tr>
<tr><td>Specific learning outcome</td><td colspan="5">At the end of this course students will be able to:
1. Explain the basic knowledge of human anatomy.
2. Define the main structures composing human body.
3. Define the anatomic terms used to refer to the body in terms of directions and geometric planes.
4. Describe the major cavities of the body and the organs they contain.
5. Explain what a cell is.
6. Describe the major functions of the four types of human tissue.
7. List the major systems of the body, the organs they contain and the functions of those systems.</td></tr>
</table>

Course References:	**Course Reading List and References:** • Drake, R., Vogl, A.W. and Mitchell, A.W., 2014. Gray's Anatomy for Students: With Student Consult Online Access • Gilroy, A.M., 2013. Anatomy: an essential textbook. • Osti, R., 2016. *Basic Human Anatomy: An Essential Visual Guide for Artists*. The Monacelli Press, LLC

Course topics (Theory)	Week	Learning Outcome
Introduction to Human Anatomy	1	• Define Anatomy • Describe levels of structural organization of the human body • Discuss directional terms, anatomical position, planes and sections used in Anatomy. • Differentiate body cavities.
Cell	2	• Explain structure and characteristics of human cell • Discuss organelles of human cell & their function • Explain abnormal cellular function (cancer)
Tissues and membrane	3	Describe types of tissues a) Epithelial tissue b) Connective tissue
Tissues and membrane	4	c) Nerve tissue d) Muscle tissue • Explain location and function of tissues in the body • Discuss membranes of the body
Seminar	5	
Midterm Exam	6	

The Skeletal System **(Bone, types of Bone, and Axial Skeleton)**	7	• Discuss bone tissue. • Explain the general feature and surface markings of bones. • Discuss skeleton and its function: • Axial skeleton
The Skeletal System **(The Appendicular skeleton, Arches of the foot, Joints)**	8	• Appendicular skeleton. • Explain joints, types of joints and their movements
Human Systems **(Cardiovascular system, Digestive System, Endocrine System, Integumentary System, Lymphatic system)**	9	Define systems in the human body. Identify the circulatory, digestive, urinary, nervous, and respiratory systems in the human body. Explain the structure of each major human system. Explain the anatomical structures and components that make up each of these systems, including the organs, tissues and their spatial relationship within the body.
Human Systems **(Muscular system, Nervous system, Reproductive system, Respiratory System, Skeletal system, Urinary system)**	10	Define systems in the human body. Identify the circulatory, digestive, urinary, nervous, and respiratory systems in the human body. Explain the structure of each major human system. Explain the anatomical structures and components that make up each of these systems, including the organs, tissues and their spatial relationship within the body.
Seminar	11	
Seminar	12	
Final exam	13	

Practical Topics	**Week**	**Learning Outcome**
Respiratory system		
Cardiovascular system		
Digestive system		
Skeletal system		
Muscular system		
Urinary system		
Seminar		
Male Reproductive system		
Female reproductive system		
Integumentary system		
Endocrine system		
Seminar		

Questions Example Design

1. What is human anatomy, and how does it differ from physiology?
2. Define anatomical position and its significance in the study of human anatomy?
3. What are the major anatomical planes, and how are they used in anatomy?
4. Define the "respiratory system" and explain its primary function in the human body?
5. What is the "circulatory system," and how does it facilitate the transport of essential substances throughout the body?
6. Define the "nervous system" and describe its role in transmitting and processing information in the human body?

True or False:

1. All living organisms are composed of cells. (True or False)?
2. Cells are the largest units of life. (True or False)?
3. Eukaryotic cells lack membrane-bound organelles. (True or False)?

Multiple choice:

What are the primary types of human tissues?

A) Epithelial, connective, nervous, and muscle

B) Plant, animal, and microbial

C) Solid, liquid, and gas

D) Skeletal, cardiac, and smooth

Which of the following tissues is responsible for transmitting electrical impulses in the nervous system?

A) Epithelial tissue

B) Muscle tissue

C) Connective tissue

D) Nervous tissue

Extra notes:

1. Attend Every Single class.
2. If you don't understand something, do not hesitate to ask your teacher.
3. Do your homework properly.
4. Study very hard, and be happy.

Wish you all, all the best.

Peer Review