

COURSE DESCRIPTIONS

Faculty	Pharmacy				
Department	Pharmacy	NQF level	5		
Course Title	Human anatomy	Code	902123	Prerequisite	891108
Credit Hours	3	Theory	3	Practical	
Course Leader	PhD Ali Alsarhan	email	asarhan@jadra.edu.jo		
Lecturers	PhD Ali Alsarhan	emails	asarhan@jadara.edu.jo		
Lecture time	8:30-10:00	Classroom	D314	Attendance	Fulltime
Semester	Second /2021/2022	Production	2021	Updated	2021/2022

Short Description

The anatomy course will provide the student with basic knowledge of human anatomy using a systematic approach following an introduction to basic human anatomy. Students will gain an understanding of functional structure and a working vocabulary of human anatomy, which will facilitate their introduction to clinical pharmacy and therapeutics

Course Objectives

1. To identify the anatomical terminology used to describe different body parts.
2. To know the basic anatomy of human systems.
3. To relate between histology and anatomy of different body parts

Course Intended Learning Outcomes (CILOs)

A. Knowledge - Theoretical Understanding

- a1. Understand and utilize anatomical vocabulary.
- a2. Recognize the various body tissues and the relationship between their structure and their position.

B. Knowledge - Practical Application

a4.

C. Skills - Generic Problem Solving and Analytical Skills

- b1. Illustrate the characteristics features for each body part.

D. Skills - Communication, ICT, and Numeracy

- b2.
- b3.

E. Competence: Autonomy, Responsibility, and Context

- c1. develop of anatomical knowledge to predict the functions of each system.

Teaching and Learning Methods

- Advanced Lecture (Presentations)
- Discussion
- Brainstorming

Using instructional technologies (video tutorial)
Assessment Methods
quizzes - midterm and final exam

Course Contents					
Week	Hours	CILOs	Topics	Teaching & Learning Methods	Assessment Methods
1.	3	a1	Introduction: includes basic definitions in anatomy, directional terms, body planes, body cavities	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
2.	3	a2	Epithelial tissues: organization and distribution of epithelial tissue, glandular epithelium structure and classification	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
3.	3	a2	Connective tissue: types, structure, and distribution. Muscular tissue: types of muscle tissue. Nervous tissue: structure of nerve tissue.	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
4.	3	a2,b1,c1	Integumentary System	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
5.	3	a2,b1,c1	The skeletal system: divisions of the skeletal system, types of bones, bone surface markings, bones of the axial skeleton.	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming 	quizzes - midterm and final exam

				Using instructional technologies (video tutorial)	
6.	3	a2,b1,c 1	The appendicular skeleton: pectoral girdle and upper limbs, pelvic girdle and lower limbs, false and true pelvis, comparison of female and male pelvis.	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
7.	3	a2,b1,c 1	Joints: classification of joints, types of movements at synovial joints, types of synovial joints	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
8.	1.30	a1.a2.b 1.c1	Midterm exam and Discussion		
9.	3	a2,b1,c 1	Skeletal muscle: microscopic anatomy of a skeletal muscle fiber, the neuromuscular junction, muscle attachment sites, principle skeletal muscles.	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
10.	3	a2,b1,c 1	The nervous system: organization of the nervous system, spinal cord and spinal nerves external and internal anatomy of the spinal cord, distribution of spinal nerves.	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
11.	3	a2,b1,c 1	The brain anatomy: brain organization, protection and blood supply, cerebrospinal fluid circulation, brain stem, the diencephalon, the cerebrum, and cerebellum	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming 	quizzes - midterm and final exam

				Using instructional technologies (video tutorial)	
12.	3	a2,b1,c 1	Cranial nerves: classification of cranial nerves, origin and innervations of each cranial nerve. The special senses: olfaction, gustation, vision, hearing and equilibrium	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
13.	3	a2,b1,c 1	The cardiovascular system: anatomy of the heart, heart valves and coronary circulation, the cardiac conduction .system Blood vessels: structure of blood vessels, the aorta and its branches, main veins of the systemic circulation, types of capillaries.	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
14.	3	a2,b1,c 1	The lymphatic system: lymphatic capillaries, lymph trunks and ducts, primary and secondary lymphoid organs, structure of the lymph nodes, spleen and thymus gland	<ul style="list-style-type: none"> •Advanced Lecture (Presentations) •Discussion •Brainstorming Using instructional technologies (video tutorial)	quizzes - midterm and final exam
15.	3	a2,b1,c 1	Final exam	-	quizzes - midterm and final exam
16.	1.3	a2,b1,c 1	Final exam	-	quizzes - midterm and final exam
17.					

Infrastructure

Textbook	Human Anatomy (9th Edition). Elaine N. Marieb (Author), Patricia M. Brady, Jon B. Mallatt. 2019, Publisher Pearson
References	Principles of Anatomy and Physiology, 15th Edition, Gerard J. Tortora and Bryan H. Derrickson, 2018. Publisher Wiley

Required reading	Principles of Anatomy and Physiology, 15th Edition, Gerard J. Tortora and Bryan H. Derrickson, 2018. Publisher Wiley
Electronic materials	http://highered.mheducation.com/sites/0073403628/information_center_view0/index.html
Other	presentations

Course Assessment Plan						
Assessment Method		Grade	CILOs			
			a1	a2	b1	c1
First (Midterm)		30	5	9	9	7
Second (if applicable)						
Final Exam		50	10	10	15	15
Coursework						
Coursework assessment methods	Assignments					
	Case study					
	Discussion and interaction					
	Group work activities					
	Lab tests and assignments					
	Presentations					
	Quizzes	20	5	5	5	5
Total		100	20	24	29	27

Plagiarism
<p>Plagiarism is claiming that someone else's work is your own. The department has a strict policy regarding plagiarism and, if plagiarism is indeed discovered, this policy will be applied. Note that punishments apply also to anyone assisting another to commit plagiarism (for example by knowingly allowing someone to copy your code).</p> <p>Plagiarism is different from group work in which a number of individuals share ideas on how to carry out the coursework. You are strongly encouraged to work in small groups, and you will certainly not be penalized for doing so. This means that you may work together on the program. What is important is that you have a full understanding of all aspects of the completed program. In order to allow proper assessment that this is indeed the case, you must adhere strictly to the course work requirements as outlined above and detailed in the coursework problem description. These requirements are in place to encourage individual understanding, facilitate individual assessment, and deter plagiarism.</p>