Philadelphia University
Faculty of nursing
Second semester, 2020/2021

Course Syllabus

Course Title: Human Anatomy and Histology	**Course code 0910142**
Course Level: 1 " year	**Course prerequisite (s) and/or co requisite (s):** Biology 0511101
Lecture Time: 8:15-9:45	**Credit hours: 2 hours**
Place	**Microsoft teams**

Academic Staff Specifics

Name	Rank	Office number and location	Office hours	E-mail address
Dr Eman Alsaleh	**Professor Assistant**	**2nd floor, Department of Nursing**	**Mon-Wed-Th 2-4**	**ealsaleh@philadelphia.edu.jo**

Course module description:

The course is designed to provide the students with extended knowledge about histological appearance of various types of tissues and information build on the previous biology course and enable the student to understand future courses as physiology and pathology. These includes the cells and cell altra-structure, tissues types, the skeleton system, skin, lymphatic system, Central nervous system, cardiovascular system, Respiratory system, Gastro-intestinal system, endocrine system, Reproductive system, and eye and ear.

Course module objectives:

The goals of the course are four-fold: (1) to provide a foundation of the fundamental concepts and terminology of the anatomy of the human body; (2) to discuss anatomical organization into functional systems related to medical correlations; (3) to build knowledge on the histological structure of tissues; and (4) to promote critical thinking of the clinical consequences of anatomical injuries, musculoskeletal disorders, pulmonary diseases, gastrointestinal abnormalities, and renal pathophysiology.

Course/ module components

Text book:

1-Human Anatomy 4TH EDITION

By Michael McKinley and Valerie O'Loughlin and Ronald Harris and Elizabeth Pennefather-O'Brien

- Copyright: 2015
- Publication Date: January 8, 2014
- ISBN 10: 0073525731
- ISBN 13: 9780073525730

2- Fundamental of Anatomy and Physiology. 10th edition. By Martini. Nath. Partholomeow

References:

1. Principles of Anatomy and Physiology, 11th Edition by Gerard J. Tortora, Sandra R. Grabowski, Kathleen Schmidt Prezbindowski Publisher: Wiley, I edition (2006) ISBN: 13: 978-0-471-68934-3

2. Ross and Wilson Anatomy and Physiology in Health and Illness, 10e 10th Edition
by Anne Waugh BSc(Hons) MSc CertEd SRN RNT FHEA (Author), Allison Grant BSc PhD RGN (Author)
ISBN-13: 978-0443101014
ISBN-10: 0443101019

3. Clinical Anatomy for Students Problem Solving Approach with DVD - ROM Hardcover – Illustrated, 2008
by Kulkarni (Author)

4. Pharmacotherapy: A Pathophysiologic Approach, 9e Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey.
ISBN-13: 978-0071800532
ISBN-10: 0071800530

Teaching methods:
Lectures, group discussions

Learning outcomes:

1. Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology.

2. Recognize the anatomical structures and explain the physiological functions of body systems.

3. Recognize and explain the principle of homeostasis and the use of feedback loops to control physiological systems in the human body.

4. Use anatomical knowledge to predict physiological consequences, and use knowledge of function to predict the features of anatomical structures.

5. Recognize and explain the interrelationships within and between anatomical and physiological systems of the human body.

6. Synthesize ideas to make a connection between knowledge of anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances.

Course Intended Learning Outcomes (ILOs)/Competencies:

After completion of this course, the student will be able to:

A) Knowledge and critical understanding

A.1 Knowledge and understanding of anatomy terminology
A.2 A critical and reflexive understanding of anatomical parts of body systems
A.3 Knowledge and understanding the description of body systems parts and their relationships to their functions.

B) Cognitive skills (thinking and analysis).

B.1 Ability to describe anatomical parts of human systems
B.2 Discuss the shape and locations of the human systems parts
B.3 Ability to recognize the necessary knowledge to provide whole description of human systems.
B.4 Ability to appreciate the importance of anatomical parts of human systems in relation to body functions.

C) Professional practical skills

C.1 Ability to describe the human systems parts anatomically.
C.2 Confidence and competence in describing the anatomy of human systems.
C.3 Bibliographic skills including the ability to identify and use key resources to identify and describe the anatomy of human systems using diagrams
C.4 Work effectively with other team members to identify human body landmarks of the patients while performing physical assessment.
C.5 Use online learning websites for learning

D) Transferable Skills

D.1 Value the importance of utilizing communication skills in recognizing and memorizing anatomy of humans' systems.
D.2 Greater confidence and the attitudes necessary in describing anatomy of human systems
D.3 Group work skills
D.4 Communication and presentation skills
D.5 Critical, applied and reflective thinking

Assessment instruments

Allocation of Marks	
Assessment Instruments	**Mark**
Midterm examination	**30 marks**
Final examination	**50 marks**
Reports, Quizzes, Home works, Projects	**20 marks**
Total	**100 marks**

Course/module academic calendar

week	Basic and support material to be covered	Homework/ reports and their due dates
(1)	Introduction to anatomy: anatomical position, anatomical plane, body movement, major surfaces and bony landmarks.	
(2)	Introduction to histology Tissues (epithelial, connective, muscular, and Nervous) Integumentary system.	
(3)	Vessels and Circulation	
(4)	Heart	
(5)	Respiratory system (nasal cavity, pharynx, trachea, bronchi, and alveolar structure)	

(6)	Digestive system	
(8,9)	Central Nervous system: brain, cranial nerves	
(10)	Spinal cord Structure of eye and ear.	
(11)	Renal system (Kidney and renal tubules, ureters, Bladder, and urethra in male and females).	
(12)	Axial and Appendicular Skeleton	
(13, 14)	Axial Muscles Appendicular Muscles	
15	Male&Female genital system	
16	Final Exam Week	
Final Examination		

Expected workload:

On average students need to spend 2 hours of study and preparation for each 50-minute lecture/tutorial.

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Module references

Books

Students will be expected to give the same attention to these references as given to the Module textbook.

Fundamental of Anatomy and Physiology. 10th edition. (2015) By Martini. Nath. Partholomeow
Gray's Anatomy for students by RL Drake, W Vogl, and AWM Mitchell: 2005 , First Ed, Churchill Livingstone (Elsevier) . ISBN: 0-443-06612-4

In addition to the above, the students will be provided with handouts by the lecturer

Journals
Am. J. anatomy
Websites
www.freemedicaljournals.com
www.ahajournals.org
www.oxfordjournals.org