



**Philadelphia University**  
**Faculty of Pharmacy**  
**Department of Clinical Sciences**  
**2nd. semester, 2017/2018**

**Course Syllabus**

<b>Course Title:</b> human Anatomy and Histology	<b>Course code</b> 0510131
<b>Course Level:</b> 1 " year	<b>Course prerequisite (s) and/or co requisite (s):</b> Biology 0511101
<b>Lecture Time:</b> 11.30-12.30	<b>Credit hours:</b> 2 hours

**Academic**  
**Staff**  
**Specifics**

<b>Name</b>	<b>Rank</b>	<b>Office number and location</b>	<b>Office hours</b>	<b>E-mail address</b>
<b>Dr. basim edreess dhannoon</b>	<b>Associate Prof.</b>	<b>nursing college office 502</b>	<b>9-10</b>	<b>bdhannoon@philadelphia.edu.jo</b>

### **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 ultra-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<sup>4<sup>TH</sup></sup> 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

#### **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, debates.

**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.

## Assessment instruments

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First examination	20 marks
Second examination	20 marks
Final examination: 50 marks	40 marks
Reports, research projects, 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	
(2)(3)	Introduction to histology course, Tissues (epithelial, connective, muscular, and Nervous).	
(4)	surface anatomy thorax,abdomen,lower&upper	
(5)(6)	Appendicular Skeleton	
(7)	Axial Muscles	
(8)	Appendicular Muscles	
	First examination	
(9)	Digestive system	

(10)	brain	
(11)	Spinal cord	
(12)	Heart Second examination	
(13)	Vessels and Circulation Three Main Classes of Blood Vessels, Anastomosis, Blood Vessel Tunics	
(14)	Male&Female genital system	
(15)	Respiratory system (nasal cavity, pharynx, trachea, bronchi, and alveolar structure).	
(16)	Renal system (Kidney and renal tubules, ureters, Bladder, and urethra in male and females).	
<b>Final Examination</b>	Final Exam Week	

**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.*

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](http://www.freemedicaljournals.com)

[www.ahajournals.org](http://www.ahajournals.org)

[www.oxfordjournals.org](http://www.oxfordjournals.org)

[www.wikipedia.org/](http://www.wikipedia.org/)