


Philadelphia University	 PHILADELPHIA UNIVERSITY <small>THE WAY TO THE FUTURE</small>	Approved Date: 2021\10\11
Faculty: Pharmacy		Issue:1
Department:		Credit Hours:2
Academic Year:2021\2022		Course Syllabus

Course Information

Course No.	Course Title	Prerequisite	
052012100	Histology and Anatomy	Biology 1 (0240106)	
Course Type		Class Time	Room No.
<input type="checkbox"/> University Requirement <input type="checkbox"/> Major Requirement	<input type="checkbox"/> Faculty Requirement <input type="checkbox"/> Elective <input checked="" type="checkbox"/> Compulsory	Saturday, Thursday: 14:15 – 15:05	Microsoft Teams

Instructor Information

Name	Office No.	Phone No.	Office Hours	E-mail
Dr. Nour Obeidat				nobeidat@philadelphia.edu.jo

Course Delivery Method

<input type="checkbox"/> Blended	<input type="checkbox"/> Physical	<input checked="" type="checkbox"/> Online	
Learning Model			
Percentage	Synchronous	Asynchronous	Physical
	100%		

Course 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 Learning Outcomes

Number	Outcome	Corresponding Program Outcomes	Corresponding Competencies
Knowledge			
K1	Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology.	Kp1	C1
K2	Recognize the anatomical structures and explain the physiological functions of body systems.	Kp1	C1
K3	Recognize and explain the principle of homeostasis and the use of feedback loops to control physiological systems in the human body.	Kp1	C1
K4	Use anatomical knowledge to predict physiological consequences, and use knowledge of function to predict the features of anatomical structures.	Kp1	C1
K5	Recognize and explain the interrelationships within and between anatomical and physiological systems of the human body.	Kp1	C1
K6	Synthesize ideas to make a connection between knowledge of anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances	Kp1	C1
Skills			
S1	Possess self-learning skills, problem solving & critical thinking abilities.	Sp2	C8
S2	Interpret, analyze & evaluate information in the literature.	Sp2, Sp3, Sp6	C8,C9,C12

Learning Resources

Course Textbook	-Human Anatomy 6 TH EDITION By Michael McKinley and Valerie O'Loughlin and Ronald Harris and Elizabeth Pennefather-O'Brien
Supporting References	<ol style="list-style-type: none"> 1. Principles of Anatomy and Physiology, 11th Edition by Gerard J. Tortora, Sandra R. Grabowski, Kathleen Schmidt Prezbindowski Publisher: Wiley, 1 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. 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
Supporting Websites	www.scinedirect.com , www.youtube.com
Teaching Environment	Classroom laboratory Learning Platform Other

Meetings and Subjects Time Table

Week	Topic	Learning Method*	Task	Learning Material
1	Vision and Mission of Faculty of Pharmacy Course Syllabus Introduction to anatomy	Lecture		Vision and Mission of Faculty of Pharmacy Course Syllabus Text book
2	Introduction to histology course, Tissues (epithelial, connective, muscular and Nervous).	Lecture , Collaboration learning		Text book
3	surface anatomy thorax, abdomen, lower & upper	Lecture , Collaboration learning	Quiz 1	Text book
4 & 5	Axial skeleton	Lecture , Collaboration learning		Text book
6	Appendicular Skeleton	Lecture , Problem solving based learning	Quiz 2	Text book
7	Axial Muscles, Appendicular Muscles	Lecture , Collaboration learning	Video taped assignment	Text book
8	Digestive system	Lecture , Collaboration learning		Text book
9	brain	Lecture , Problem		Text book

		solving based learning		
10	Spinal cord	Lecture , Problem solving based learning	Short report	Text book
11	Heart	Lecture , Problem solving based learning	Short presentation	Text book
12	Vessels and Circulation Three Main Classes of Blood Vessels, Anastomosis, Blood Vessel Tunics	Lecture , project based learning		Text book
13	Male & Female genital system	Lecture		Text book
14	Respiratory system (nasal cavity, pharynx, trachea, bronchi and alveolar structure).	Collaboration learning		Text book
15	Renal system (Kidney and renal tubules, ureters, Bladder and urethra in male and females).	Lecture , Problem solving based learning		Text book
16	Final Exam			

*Includes: lecture, flipped Class, project based learning, problem solving based learning, collaboration learning.

Course Contributing to Learner Skill Development

Using Technology
-Use powerpoint or any other relevant programs for preparing presentations -Use variety of Electronic databases in searching for published data.
Communication Skills
-Report writing -Oral presentation of selected topics
Application of Concept Learnt
- Students will apply most of the acquired knowledge from the theoretical lectures in the physiology - The theoretical information also allows them to be able to perform a research & experimental work

Assessment Methods and Grade Distribution

Assessment Methods	Grade	Assessment Time (Week No.)	Course Outcomes to be Assessed
Mid Term Exam	% 30	11	K1- K3 S1, S2
Term Works*	% 30	Continuous	S1, S2
Final Exam	% 40	16	K1-K6 S1, S2
Total	%100		

* Include: quizzes, in-class and out of class assignment, presentations, reports, videotaped assignment, group or individual project.

Alignment of Course Outcomes with Learning and Assessment Methods

Number	Learning Outcomes	Corresponding competencies	Learning Method*	Assessment Method**
Knowledge				
K1	Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology.	C1	Lecture	Subjective Quiz Exam/subjective Questions
K2	Recognize the anatomical structures and explain the physiological functions of body systems.	C1	Lecture , Collaborative learning Problem solving based learning	Subjective Quiz Exam/subjective Questions
K3	Recognize and explain the principle of homeostasis and the use of feedback loops to control physiological systems in the human body.	C1	Lecture Collaborative learning Problem solving	Subjective Quiz Exam/subjective Questions

			based learning	
K4	Use anatomical knowledge to predict physiological consequences, and use knowledge of function to predict the features of anatomical structures.	C1	Lecture Collaborative learning Problem solving based learning	Subjective Quiz Exam/subjective Questions Short report
K5	Recognize and explain the interrelationships within and between anatomical and physiological systems of the human body.	C1	Lecture Collaborative learning Problem solving based learning	Subjective Quiz Exam/subjective Questions Video taped assignment
K6	Synthesize ideas to make a connection between knowledge of anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances	C1	Lecture Collaborative learning Problem solving based learning	Subjective Quiz Exam/subjective Questions
Skills				
S1	Possess self-learning skills, problem solving & critical thinking abilities.	C8	Problem solving based learning	Subjective Quiz Exam/subjective Questions
S2	Interpret, analyze & evaluate information in the literature	C8,C9,C12	Project based learning	Oral presentation evaluation

*Include: lecture, flipped class, project based learning, problem solving based learning, collaboration learning.

** Include: quizzes, in-class and out of class assignments, presentations, reports, videotaped assignments, group or individual projects.

Course Polices

Policy	Policy Requirements
Passing Grade	The minimum pass for the course is (50%) and the minimum final mark is (35%).
Missing Exams	<ul style="list-style-type: none"> • Anyone absent from a declared semester exam without a sick or compulsive excuse accepted by the dean of the college that proposes the course, a zero mark shall be placed on that exam and calculated in his final mark. • Anyone absent from a declared semester exam with a sick or compulsive excuse accepted by the dean of the college that proposes the course must submit proof of his excuse within a week from the date of the excuse's disappearance, and in this case, the subject teacher must hold a compensation exam for the student. • Anyone absent from a final exam with a sick excuse or a compulsive excuse accepted by the dean of the college that proposes the material must submit proof of his excuse within three days from the date of holding that exam.
Attendance	The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to six lecture days (n t) and seven lectures (days). If the student misses more than (15%) of the total hours prescribed for the course without a satisfactory or compulsive excuse accepted by the dean of the faculty, he is prohibited from taking the final exam and his result in that subject is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college that The article is introduced, it is considered withdrawn from that article, and the provisions of withdrawal shall apply to it.
Academic Integrity	Philadelphia University pays special attention to the issue of academic integrity, and the penalties stipulated in the university's instructions are applied to those who are proven to have committed an act that violates academic integrity, such as cheating, plagiarism (academic theft), collusion, intellectual property rights.

Program Learning Outcomes to be Assessed in this Course

Number	Learning Outcome	Course Title	Assessment Method	Targeted Performance level

Description of Program learning Outcomes Assessment Method

Number	Detailed Description of Assessment

Assessment Rubric of the Program Learning Outcomes

