


Philadelphia University	 PHILADELPHIA UNIVERSITY <small>THE WAY TO THE FUTURE</small>	Approved Date: 10/2024
Faculty: Pharmacy		Issue:1
Department: -		Credit Hours:3
Academic Year:2025/2026		Bachelor:

Course Information

Course No.	Course Title	Prerequisite
0520112200	Anatomy and physiology 1	0216155
Course Type	Class Time	Room No.
<input type="checkbox"/> University Requirement <input checked="" type="checkbox"/> Faculty Requirement <input type="checkbox"/> Major Requirement <input type="checkbox"/> Elective <input checked="" type="checkbox"/> Compulsory	Sec 1: Sun- Tue: 12:40-13:55	614

Course Level*				Hours		
4 th	5 th	6 th	7 th	Contact	Independent Learning	Assessment
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	45	42	3
				Total: 90		

*According to JNQF standards

Instructor Information

Name	Office No.	Phone No.	Office Hours	E-mail
Ms. Asma El-Shara	Faculty of Pharmacy 5601/4	+96226374 44 Ext: 2641	Sat: 11:15- 12:30	aelshara@philadelphia.edu.jo

Course Delivery Method

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

Course Description

This Module is designed to provide the students with knowledge about the normal anatomy and normal functions and mechanism of various physiological systems basis on the anatomical and histological correlation normal functions and mechanism of various physiological systems. This module deals with study of tissue level of organization, surface anatomy, axial and appendicular skeleton, axial and appendicular muscle, blood, nervous system (neurons and synapse), autonomic nervous system, Digestive system, renal system, acid and base balance and electrolytes balance and imbalance, finally, reproductive system.

Course Learning Outcomes

		Program Outcomes
Knowledge		
K1	Define appropriate terminology related to anatomy and physiology.	Kp1
K2	Explain the anatomical structures and the physiological functions of body systems.	Kp1
K3	Recognize the functional principles of physiology; and mechanisms of action of the body systems	Kp1
K4	Predict physiological consequences and features of anatomical structures	Kp1
K5	Discuss the interrelationships within and between anatomical and physiological systems of the human body.	Kp1
Skills		
S1	Compare the normal physiological mechanisms with abnormal ones.	Sp1
S2	Analyze information in the relevant literature.	Sp2

Learning Resources

Course Textbook	- Principles of Anatomy and Physiology, 15th Edition by Gerard J. Tortora, Bryan H. Derrickson, Publisher: Wiley, (2017), ISBN: 978-1-119-39993-3
Supporting References	<ol style="list-style-type: none"> 1. Human Anatomy 6TH edition By Michael McKinley and Valerie O'Loughlin and Ronald Harris and Elizabeth Pennefather-O'Brien Publisher : McGraw Hill; (2020) ISBN-10 : 1260251357.ISBN-13 : ISBN: 978-1260251357 2. Atlas of human anatomy 6TH edition By Frank H. Netter, publisher: Elsevier, (2014), 978-0-8089-2451-7 3. 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 4. Human Anatomy , 8th Edition By Marieb, Elaine, Wilhelm, Patricia Brady, and Mallatt, Jon, Harlow: Pearson Education Limited(2017), ISBN: 978-1-292-15679-8. 5. <i>Human anatomy and physiology</i> BY Amerman, Erin C. Harlow: Pearson Education Limited,(2016), ISBN: 978-1-292-11233-6 .
Supporting Websites	www.scinedirect.com , www.youtube.com
Teaching Environment	<input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> laboratory <input type="checkbox"/> Learning Platform <input type="checkbox"/> Other

Meetings and Subjects Time Table

Week	Topic	Learning Method*	Task	Learning Material
1	Vision and Mission of Faculty of Pharmacy Course Syllabus An Introduction to Human body	Lecture		Vision and Mission of Faculty of Pharmacy Course Syllabus Text book
2	Tissue level of organization	Lecture, Collaboration learning		Text book
3	Tissue level of organization	Lecture, Collaboration learning	Quiz 1	Text book
4	Integumentary system	Lecture, Collaboration learning		Text book
5	Blood	Lecture, Problem solving based learning	Quiz 2	Text book
6	Blood	Lecture, Collaboration learning		Text book
7	Nervous tissue		Videotaped assignment	
8	Nervous tissue	Lecture, Collaboration learning		Text book
9	The autonomic nervous system	Lecture, Problem solving based learning		Text book

10	The autonomic nervous system	Lecture, Problem solving based learning	Short report	Text book
11	Digestive system	Lecture, Problem solving based learning		Text book
12	Digestive system	Lecture, project based learning	Short presentation	Text book
13	Urinary system	Lecture		Text book
14	Urinary system	Collaboration learning		Text book
15	Reproductive system	Lecture, Problem solving based learning		Text book
16	Final exam			

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 and 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
Term Works*	% 30	Continuous	S1-S2
Final Exam	% 40	16	K1-K5, 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	Learning Method*	Assessment Method**
Knowledge			
K1	Define appropriate terminology related to anatomy and physiology.	Lecture	Subjective Quiz Exam/subjective Questions
K2	Explain the anatomical structures and the physiological functions of body systems.	Lecture, Collaborative learning Problem solving based learning	Subjective Quiz Exam/subjective Questions
K3	Recognize the functional principles of physiology; and mechanisms of action of the body systems	Lecture, Collaborative learning Problem solving	Subjective Quiz Exam/subjective Questions

K4	Predict physiological consequences and features of anatomical structures	Lecture Collaborative learning Problem solving based learning	Subjective Quiz Exam/subjective Questions Short report
K5	Discuss the interrelationships within and between anatomical and physiological systems of the human body.	Lecture Collaborative learning Problem solving based learning	Subjective Quiz Exam/subjective Questions Videotaped assignment
SKILLS			
S1	Compare the normal physiological mechanisms with abnormal ones	Collaborative learning	Exam/subjective Questions
S2	Analyze information in the relevant literature.	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 Policies

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 absents 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.

	<ul style="list-style-type: none"> 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.

Number	Learning Outcome	Course Title	Assessment Method	Target Performance level
Sp2	Interpret, analyze and evaluate information in the literature	Anatomy and physiology 1	Oral presentations	75% of students have a minimum score 7 out of 10

Description of Program Learning Outcome Assessment Method

Number	Detailed Description of Assessment
Sp2	Oral presentation, each 5 students prepare special subject related to the course

Rubric of the Oral presentation

Rating category	Scale of score				
	1	2	3	4	
Ability to focus on topic and	Presenter is not able to focus	Presenter has poor ability to	Presenter has intermediate	Presenter has full ability to	

satisfactory explanation	on topic nor provide satisfactory explanation	focus on topic and provide satisfactory explanation	ability to focus on topic and provide satisfactory explanation	focus on topic and provide satisfactory explanation	
Content Quality	Bad content quality	Poor content quality	Intermediate content quality	High content quality	
Content Display and organization	Improper use of images and graphics and proper typography for the whole presentation	proper use of images and graphics and proper typography for some parts of the presentation	proper use of images and graphics and proper typography for most parts of the presentation	proper use of images and graphics and proper typography for the whole presentation	
Citation	Citation is not performed	Citation is performed For some information	Citation is performed for most of the information	Citation is performed for all of the information	
Communication skills	Presenter has poor ability to speak clearly and interact with audience	Presenter is sometime able to speak clearly and interact with audience	Presenter is mostly able to speak clearly and interact with audience	Presenter is always able to speak clearly and interact with audience	
Timeliness	25%of the presentation efficiently ended within the allowed time frame	50%of the presentation efficiently ended within the allowed time frame	75%of the presentation efficiently ended within the allowed time frame	100%of the presentation efficiently ended within the allowed time frame	