Philadelphia University	PHILADELPHIA UNIVERSITY THE WAY TO THE FUTURE	**Approval date:**
Faculty: Allied and Medical Sciences		**Issue:**
Department of Clinical Nutrition and Dietetics		**Credit hours: 3**
Academic year 2025/2026	**Course Syllabus**	**Bachelor**

Course information

Course#	Course title	Co /Pre-requisite
0910260	**Pathophysiology**	

Course type	Class time	Room #
☐ University Requirement ☒ Faculty Requirement ☐ Major Requirement ☐ Elective ☐ Compulsory	Wednesday, Thursday 1:15-14:05	**online**

Instructor Information

Name	Office No.	Phone No.	Office Hours	E-mail
Dr. Bayan AL-Tarifi	**161212**	**2434**	**Sat, Tue (12:15-1:05) Sun (9:45-10:35) Mon (11:15- 1:05) Tue (12:15-2:05)**	**baltarifi@philadelphia.edu.jo**

Course Delivery Method

Course Delivery Method			
☐ **Physical**	☒ **Online**	☐ **Blended**	
Learning Model			
Precentage	**Synchronous**	**Asynchronous**	**Physical**
		100%	

Course Description

This course is designed to teach students about disease and dysfunction, cell injury including causes, mechanisms, morphologic changes and alterations, cellular death, adaptations of cellular growth and differentiation, inflammation including its types, and hemodynamics disorder including edema. Diseases and dysfunction of various body systems with special emphasis on the musculoskeletal, nervous (peripheral and central), and cardiovascular systems will be covered.

Course Learning Outcomes

	Number	Outcomes	Corresponding Program outcomes
	Knowledge		
1	**K1**	Build Knowledge on the abnormal organic disorders to previous obtained knowledge of pathology and disease.	KP1
2	**K2**	Understand the basic mechanism of organs disorders and the mechanisms of disease in relation to different organs.	KP 1&2
3	**K3**	Understand and be able to define commonly used terms and vocabulary used to describe various aspects of disease (e.g. signs, symptoms, etiology, pathogenesis, manifestations, sequelae, prognosis.	KP1
	Skills		
4	**S1**	Describe pathological mechanisms underlying particular disease processes affecting particular organ systems/tissues (cell injury, inflammation, immunity, neoplasia, vascular disturbances (congestion, hyperemia, edema, thrombosis, ischemia, shock and hemorrhage).	SP1
5	**S2**	Discuss the diseases affecting particular organ systems/tissues e.g. hematopoietic and lymphoid, kidney and urinary tract, endocrine system, male and female genital tracts, lungs, breasts, gastrointestinal tract, hepatobiliary system, cardiovascular system, central nervous system and musculoskeletal system.	SP2
	Competencies		
7	**C1**	Apply critical thinking of integrating pathology clinical consequence of different diseases.	CP3,
8	**C2**	Develop vocabulary of appropriate terminology to effectively communicate information related to pathology	CP1

Learning Resources

Course textbook	1. Kumar, Cotran and Robbins basic pathology 10th edition Pathology: Implications for the Physical Therapist, edition 5 2.Pathophysiology, Wolters Kluwer, 4th edition
Supporting References	Handouts prepared by the lecture
Supporting websites	http://evolve.elsevier.com/Goodman
Teaching Environment	☒**Classroom** ☐ **laboratory** ☒**Learning platform** ☐**Other**

Meetings and subjects timetable

Week	Topic	Learning Methods	Learning Material
1	Vision, mission and values of faculty Introduction to the course syllabus	Lecture Discussion	
	Introduction to pathology Cellular response to stress 1	Asynchronous text book reading Video and discussion	Chapter 1 Ref 1
2	Cellular response to stress 2	Lecture video discussion	Chapter 2 Ref 1
3	Cellular response to stress 3	Asynchronous text book reading Case study	Chapter 2 Ref 1
	Inflammation 1	lecture	Chapter 3 Ref 1
4	Inflammation 2	Asynchronous text book reading Video Case study discussion	Chapter 3 Ref 1
	Musculoskeletal system 1	Lecture Group Discussion problem solving	Chapter 12 Ref 2
5	Musculoskeletal system 2	Asynchronous text book reading Discussion	Chapter 12 Ref 2
	Musculoskeletal system 3	Lecture Group discussion Problem solving based learning	Chapter 12 Ref 2
6	Neurologic system 1	Asynchronous text book reading Case study	Chapter 11 Ref 2
	Neurologic system 2	Lecture Case study Group discussion	Chapter 11 Ref 2
7	Review and question		
	Midterm exam		
8	Neurologic system 3	Lecture	Chapter 11 Ref 2
9	Cardiovascular system 1	Lecture	Chapter11 Ref 1

10	Cardiovascular system 2	Asynchronous text Problem solving based learning	Chapter 11 Ref 1
11	Cardiovascular system 3	Group discussion Lecture Quiz	Chapter 11 Ref 1
12	Immune system 1	Asynchronous text Lecture Group discussion	Chapter 7 Ref 1
	Immune system 2	Asynchronous text book reading Case study	Chapter 7 Ref 1
13	Gastrointestinal system 1	Lecture, video discussion	Chapter 9 Ref 2
	Gastrointestinal system 2	Asynchronous text book reading Case study	Chapter 9 Ref 2
14	Endocrine system 1	Collaborative learning Lecture	Chapter 10 Ref 2
	Endocrine system 2	Asynchronous text book reading	Chapter 10 Ref 2
15	Renal system 1		Chapter 14 Ref 1
	Renal system 2	Asynchronous text book reading	Chapter 14 Ref 1
16	Respiratory system1	Lecture and problem based learning	Chapter 13 Ref 1
	Respiratory system2	Asynchronous text book reading	Chapter 13 Ref 1
16	Revision	**Flipped learning**	**Selected websites**

* includes: Lecture, flipped Class, project- based learning, problem solving based learning, collaborative learning

☐ Online session

Course Contributing to Learner Skill Development

Using Technology
Use data from different resources mainly textbook and scientific websites in different assigned activities Example: problem solving, collaborative learning, group discussion
Communication skills
confidence, respect, responsiveness, teamwork, competence
Application of concepts learnt
Apply understanding and description of anatomical organization of human system

Assessment Methods and Grade Distribution

Assessment Methods	Grade Weight	Assessment Time (Week No.)	Link to Course Outcomes
Mid Term Exam	**30%**	**7th week**	**K1, K2, K3**
Various Assessments *	**30%**	**Overall course duration**	**S1,S2,C1,C2**
Final Exam	**% 40**	**16th week**	**K1,K2,S2,S3,C1**
Total	**%100**		

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

Alignment of Course Outcomes with Learning and Assessment Methods

Course Policies

Policy	Policy Requirements
Passing Grade	The minimum passing grade for the course is (50%) and the minimum final mark recorded on transcript is (35%).
Missing Exams	• Missing an exam without a valid excuse will result in a zero grade to be assigned to the exam or assessment. • A Student who misses an exam or scheduled assessment, for a legitimate reason, must submit an official written excuse within a week from the exam or assessment due date. • A student who has an excuse for missing a final exam should submit the excuse to the dean within three days of the missed exam date.
Attendance	The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to six lectures days (Sun,Tus) and seven lectures (S,T,R). If the student misses more than (15%) of the total hours prescribed for the course without a satisfactory excuse accepted by the dean of the faculty, s/he will be prohibited from taking the final exam and the grade in that course is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college, then withdrawal grade will be recorded.
Academic Honesty	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, and violating intellectual property rights.

Program Learning Outcomes to be assessed in this Course

Number	Learning Outcome	Course Title	Assessment Method	Target Performance level
KP1	The program will graduate students able recoginze the role of physiotherapy in the context of the	Pathology for physiotherapy	Short exams	75% of students get 60% of the

	health needs of the coummunity and health sector national priorities in the			exam results
KP2	The program will graduate students able to acquire knowledge in basic medical sciences, various medical conditions and surgical treatments, and determine their impact on the individual and society.	Pathology for physiotherapy	Short exams	75% of students get 60% of the exam results