



Form: Course Syllabus	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963
	Number and Date of Revision or Modification	05/12/2022
	Deans Council Approval Decision Number	
	The Date of the Deans Council Approval Decision	2/3/24/2023
	Number of Pages	23/01/2023

1	Course title	Pathophysiology
2	Course number	5701201
3	Credit hours	3
	Contact hours (theory, practical)	Theory
4	Prerequisites/corequisites	5701103
5	Program title	BSc. In Nursing
6	Program code	
7	Awarding institution	The University of Jordan- Aqaba Campus
8	School	Nursing
9	Department	Nursing 01
10	Level of course	1
11	Year of study and semester (s)	2020/2021 First semester
12	Final Qualification	B.Sc. in Nursing
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Teaching methodology	X Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
16	Electronic platform(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input checked="" type="checkbox"/> Zoom <input type="checkbox"/> Others.....
17	Date of production/revision	11 th Oct 2021

18 Course Coordinator:

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19 Other instructors:

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20 Course Description:

This course focuses on the physiological changes that occur as a result of internal and external environmental stressors and pathological responses of the body that lead to the appearance of the signs and symptoms of the disease in response to these changes. This course reviews the concepts and fundamentals of the most common health problems. The content focuses on the special health needs over individual's life.

21. Program Intended Learning Outcomes:

PLO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

* Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.

22. Course Intended Learning Outcomes: (Upon completion of the course, the student will be able to achieve the following intended learning outcomes):

1. Introduce the terminology of pathophysiology and the aspects of the disease process.
2. Define pathophysiology and the concepts of health and disease.
3. Describe the aspects of the disease process include etiology, pathogenesis, symptoms and signs, etc.
4. Understand basic tissue reactions to different types of injuries, and know the etiology of major diseases.
5. Describe the cell changes according to the type of injury.
6. Describe the different types, causes and mechanisms that produce cell injuries and diseases and to differentiate between them.

7. Describe the mechanism and the body reaction of the body changes associated with different diseases in the different systems as: cardiovascular system, respiratory system, endocrine system etc.
8. Describe the morphologic effects produced by the disease.
9. Identify compensation mechanisms that occur in response to trauma and disease.
10. Transfer knowledge into healthy behaviors in order to help people avoiding diseases.
11. Valuation of health care systems; including community resources that may assist the patient/family in meeting their self-care demands.

23. The matrix links the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PLO's:

PLO's *	1	2	3	4	5	6	7	Descriptors**		
								K	S	C
CLO's 1.	X							X		
2.								X		
3.				X				X		
4.	X				X			X		
5.		X						X		
6.			X							X
7.							X		X	
8.						X				X
9.							X			X
10.				X					X	
11.			X							X

***Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.**

****Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21).**

24. Topic Outline and Schedule:

Week	Period [condensed period] [MON/TU 8:00- 14:00]	Topic	Teaching Methods*/platform	Evaluation Methods**	References (Porth, 2014), Reading and Activities
1	12/13 OCT 20 [15 NOV 2020]	Pathophysiology, Introduction To	Structured orientation lectures		1019-1061

		Pathology, etiology, Pathogenesis,			
2	19/20 OCT 2020 [16 NOV 2020]	Cell Injury, Cell Stress	Lecture, video,	Exam	1277-1332
3	26/27 OCT 2020 [17 NOV 2020]	Inflammatory response	Lecture, video,	Exam	712-738
4	2/3 NOV 2020 [18 NOV 2020]	Chronic inflammation	Lecture, video,	Exam	792-844
5	9/10 NOV 2020 [19 NOV 2020]	Cell proliferation	Lecture, video,	Exam	867-886
6	16/17 NOV 2020 [13 DEC 2020]	Midterm written exam (20%)		Exam	
7		Communicable diseases	Lecture, video,	Exam, assignments	898-927
8	23/24 NOV 2020 30 NOV/1 DEC [13&14 DEC 2020]	Fluid and electrolytes disorders	Lecture, video,	Exam, assignments	928-957
9	7/8 DEC [15 DEC 2020]	Hematological disorders	Lecture, video,	Exam, assignments	958-995
10	14/15 DEC [15 DEC 2020]	Leukemias	Lecture, video,	Exam, assignments	998-1018
11	21/22 DEC [16 DEC 2020]	Endocrine disorders	Lecture, video,	Exam, assignments	1112-1131
12	28/29 DEC	Cardiovascular disorders	Lecture, video,	Exam, assignments	489-524
13 & 14	4/5 JAN 2021 11/12 JAN 2021 [17 DEC 2020]	Renal disorders	Lecture, video,	Exam, assignments	1209-1243
15	18 JAN 2021	Final written exam		Theoretical exam	

- Teaching methods include: Synchronous lecturing/meeting; Asynchronous lecturing/meeting
- Evaluation methods include: Homework, Quiz, Exam, pre-lab quiz, clinical evaluation ...etc

25 Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	Period (Week)	Platform
Midterm written Exam	30	Topics covered in first 5 weeks	Week 6	Computer lab, Moodle

Assignments	10	Selected topics	Week 9	Lab and homework sent via Moodle
Quizzes	10	Selected topics	Planned later	Moodle
Final written Exam	50	All topics	Week 15	Computer lab, Moodle

26 Course Requirements (e.g: students should have a computer, internet connection, webcam, account on a specific software/platform...etc):

Computer, internet connection.

27 Course Policies:

A- Attendance policies:

- Students must attend all classes of this course.
- Any student with absence of 15% of the classes of any course, will not be allowed to sit for the final exam and will be given the university zero (F grade) in this course.
- In the case (b) above, if a student submits an official sick report authenticated by university clinic or an accepted excuse by the Dean of his/her faculty, the student will be considered as withdrawn from the course, and a "W" will be shown in the transcript for this course.
- Students are not allowed to come late to classes. Any student coming late will not be allowed to attend the class and he/she will be marked absent.

B- Absences from exams and submitting assignments on time:

- Failure in attending a course exam other than the final exam will result in zero mark unless the student provides an official acceptable excuse to the instructor who approves a make-up exam.
- Failure in attending the final exam will result in zero mark unless the student presents an official acceptable excuse to the Dean of his/her faculty who approves an incomplete exam, normally scheduled to be conducted during the first two weeks of the successive semester.
- Failure in attending the final clinical exam will result in zero mark and the student will not be allowed to set for the final theory exam, unless the student presents an official acceptable excuse to the Dean of his/her faculty (before the final theory exam) who approves an incomplete exam, normally scheduled to be conducted during the first two weeks of the successive semester
- Assignments and projects should be submitted to the instructor on the due date and will not be accepted after the due date.

C- Health and safety procedures:

- comply with all regulations and standards of regulatory authorities representing occupational health and safety.
- Staff should ensure that students in their areas of assignment, have been given adequate direction, training and instruction in the safe performance of their work and that it is performed without unnecessary risk;
- immediately reporting to a supervisor all work related incidents and obtaining medical treatment without delay.
- Ensure compliance with occupational health and safety standards in conformity with both university policies
- Promote frequent and thorough hand washing using soap and running water, or for immediate action, use alcohol-based hand rubs containing at least 60% alcohol.
- Students should stay home if you are sick.
- Encourage respiratory etiquette, including covering coughs and sneezes
- Students should not use other students' phones, desks, pens, lab coat, stethoscope, , or other work tools and equipment, when possible.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Cheating, plagiarism, misbehaviour are attempts to gain marks dishonestly and includes; but not limited to:

- Copying from another student's work.
 - Using materials not authorized by the institute.
 - Collaborating with another student during a test, without permission.
 - Knowingly using, buying, selling, or stealing the contents of a test.
 - Plagiarism which means presenting another person's work or ideas as one's own, without attribution.
- Using any media (including mobiles) during the exam

- **The participation or the commitment of cheating will lead to applying penalties according to the University of Jordan Students' Discipline rules and regulations No. (94, 49, 47,27, 29): <http://units.ju.edu.jo/ar/LegalAffairs/Regulations.aspx>**

E- Grading policy:

A grade of (D) is the minimum passing grade for the course.

Mark Range	Grade
0-35	F
36-43	D ⁻
44-48	D
49-52	D ⁺
53-57	C ⁻
58-61	C
62-66	C ⁺

67-70	B ⁻
71-74	B
75-78	B ⁺
79-83	A ⁻
84-100	A

F- Available university services that support achievement in the course:

28 References:

A. Required book(s), assigned reading and audio-visuals:

- Porth, C. M. (2014) *Pathophysiology: concepts of Altered Health Status*. (9th edition) Lippincott. Williams & Wilkins.

B. Recommended books, materials and media:

1. - Copstead-Kirkhorn, L. & Banasik, J. (2005) *Pathophysiology*. (3rd edition) St. Louis, Mosby Elsevier.
2. - Huether, S. E., & McCance, K. L. (2004) *Understanding Pathophysiology* (4th edition) St. Louis, MO: Mosby Elsevier.
3. - Sylvia A. Price & Lorraine M. Wilson (2003) *Pathophysiology: Clinical Concepts of Disease Processes* (6th edition), Mosby Elsevier.
4. - Hogan, M & Hill, K (2004) *Pathophysiology, Review & Rationales*. Prentice Hall publishing.

C. Electronic resources

- Disease process videos illustrations

29 Additional information:

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Clinical Evaluation Form

	Item	0	1	2	Score
1	Appearance	Pay little attention to personal appearance	Usually neat	Always neat	
2	initiative	Waits to be told what to do	Usually initiative	Always initiative	
3	Interpersonal relationship and cooperation	Rarely shows respect and cooperation with colleagues	Usually shows respect and cooperation with colleagues	Always shows respect and cooperation with colleagues	
4	Attitude towards instructor	Rarely accepts instruction, and no evidence of change in behavior	Usually accepts instruction, shows little change in behavior	Always accepts instructions, and modifies behavior	
5	Punctuality	Rarely on time	Usually on time	Always on time	
6	Knowledge in relation to skills	Displays poor knowledge and skills	Displays sufficient knowledge and skills	Has full and complete correlation of theory and practice	
7	Need for assistance	Constantly needs help and support	Usually needs help and support	Rarely needs help and support	
8	Attendance	Absent 3-4 sessions	Absent 1-2 sessions	Attended all sessions	
				TOTAL:	

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of Curriculum Committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of Curriculum Committee/Faculty: ----- Signature: -----

Dean: ----- Signature: -----