1.Course Name:

Pathophysiology

2.Course Code:

WNR-22-3

3.Semester / Year:

Second Stage/ second semester

4.Description Preparation Date:

1/9/2024

5.Available Attendance Forms:

In-person lectures

6.Number of Credit Hours (Total) / Number of Units (Total)

2 Theoretical , Number of Credits (2)

7.Course administrator's name (mention all, if more than one name)

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8.Course Objectives

1. Explain the basic concepts and principles related to the development and progression of disease.
2. Identify different types of cellular injury, stressors, and infectious agents affecting the human body.
3. Describe the body's physiological responses to disease, including stress, inflammation, and neoplasia.
4. Recognize pathophysiological changes in major body systems, such as the cardiovascular, respiratory, and immune systems.
5. Apply knowledge of disease mechanisms to understand common disorders and their impact on body function.

1. Teaching and Learning Strategies

Strategy	- Theoretical lectures. - Discussions. - Reports.

2. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	2T	Learn about the etiology classification pathogenesis, clinical manifestation, a implication for treatment.	Introduction and Definitions	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
2	2T	Learn about reversible cell injury, adaptation, and irreversible cell injury. Understand hypoxic, nutritional, infectious, chemical, physical, and cellular injuries.	Cell injury and etiology cellular injury	Lectures. -Discussion..	Quizzes, students' participation in the lecture, &Monthly exam
3	2T	Learn about the Definitions, General adaptation syndrome, Local adaptation syndrome, and Coping.	Stress, adaptation change	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
4	2T	Learn about the definitions, componen of immune system, non-specific immunity of immune system, inflammatory process, inflammatory responses, specific immunity, change i the immune system during aging, and disorder of immune system.	Inflammation and immun	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
5	**Mid-term exam. No 1**				
6	2T	Understand the basic definitions, principles of cancer biology, cancer ho interaction, cancer therapy, and cancer risk factors	Neoplasia	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
7	2T	Understand the pathophysiology of leukemia, Hodgkin's disease, non-Hodgkin's disease, and multiple myelo	Blood disorder	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
8	2T	Understand the types of microorganisms, host-parasite relationship, manifestation of infection, and host factors that decrease resistant of infection.	Infectious processes	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Practical evaluation .
9	2T	Understand the basic concepts of protein metabolism and metabolic disorders	Alternation in oxygen transport, homeostasis, a blood coagulation	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
10	Mid-term exam. No 2				

11	2T	Understand the pathophysiology of the brain disease ,stroke	Brian disorder	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
12	2T	Understand the pathophysiology of some kidney disease ,	Kidney disorder	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
13	2T	Understand the basic concepts of UTI , stones formation	Urinary tract infection	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam
14	2T	Understand the heart failure and cardiac dysrhythmias	Heart failure and dysrhythmias	-Lectures. -Discussion.	Quizzes, students' participation in the lecture, &Monthly exam

3. Course Evaluation

Evaluation				Score standard
Formative		**Summative**		-Excellent (90-100) -Very Good (80-less than 90) -Good (70-less than 80) -Fair (60-less than 70) -Acceptable (50-less than 60) - Fail (less than 50)
Scores	**Evaluation methods**	**Scores**	**Evaluation methods**	
4%	Daily Quizzes	10%	First-Mid-term theoretical exam	
2%	Seminars	10%	Second-midterm exam	
		70%	Final theoretical exam	
10%		90%		

4. Learning and Teaching Resources

Essentials of Pathophysiology for Nursing Practice (Cook, Shepherd, Dunleavy & McCauley, 2nd ed., 2022)
SAGE Online Companion to Essentials of Pathophysiology: includes videos, quizzes, flashcards, and teaching gui
Barone, J., and Castro, M. A. USMLE STEP 1 Lecture Notes: Pathology. Kaplan Medical, 2016.
- Online learning Videos.
- Different Online Scientific Articles and Journals

فرع تمريض البالغين

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