Course Description Form

Shaymaa F. Abbas

1. Course Name: pharmacology

2. Course Code: non

3. Semester / Year: year 2023-2024

4. Description Preparation Date: 20/2/2024

5. Available Attendance Forms: presence

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

120 hours/ 8 units

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

Shayma F. Abass

8. Course Objectives

Course Objectives	• Graduates students must know how to write l and safe prescriptions. • Accurately calculate and record pharmacological doses. • Monitor, detect and report adverse drug reactions.

9. Teaching and Learning Strategies

Strategy	Educational strategy, collaborative concept planning.

10. Course Structure

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

8 weeks	5	1. Identify the neurotransmitter and the receptors on which it acts 2. Classify the drugs acting on parasympathetic system according to their mechanisms of action 3. List their main side effects 4. Correlate between the pharmacological effects of drugs and their main clinical uses and contraindications Recognize the most common utilized drugs in clinical practice	Basic Pharmacology Introduction, cholinergic system, antihistamines	1. Lectures 2. Practical/discussion 5.	1. One best answer questions 2. Short essay
3 weeks	1	Classify antipsychotics according to their MOA, List their main side effects and interactions	CNS Pharmacology antipsychotics		
1 week	2	1. The principal drugs used in asthma 2. Classification of these drugs 3. According to mechanism of action 4. The quick–relief drugs of asthma	Respiratory system		

		5. Drugs used in prophylaxis of asthma				
1 week	1	1. Clinical significance of hyperlipidemia 2. Management of hyperlipidemia 3. Drugs used in hyperlipidemia	Cardiovascular Hypolipidemic			
5 weeks	3	1. Discuss the classification and types of these drugs 2. Discuss the mechanism of action, uses and adverse effects of these drugs 3. List possible drug interactions 4. Discuss how to educate patient about drug-drug interactions and duration of therapy	Chemotherapy, antibiotics			
1 week	2	1. Recognize the basic agents involve in hemopoiesis 2. The indications and contraindications of their clinical use (as therapeutics) 3. Their main side effects and interactions	Blood Hematinic drugs			
2 weeks	1		Endocrines Thyroid medications			

1 week	**1**		**Medicinal plants**		

11. Course Evaluation

Mid year examination 30 marks
Final year examination 60 marks written, 10 marks practical
Weekly formative examination

13. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1- Lippincott illustrated reviews: Pharmacology, 7th edition, 2016 2- Clinical Pharmacology, Morris Brown, Pankaj Sharma, Fraz Mir, Peter Bennett, 12 edition, 2018 3- Basic and Clinical Pharmacology, Bertram Katzung, Susan Masters, Anthony Trevor, 12th edition 2012
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	1. BNF (Current issue) 2. FDA, USA (Food and drug administratio