

Course Description Form

1. Course Name:	
Pharmacology	
2. Course Code: ZUDE0304	
3. Semester / Year:2025-2026	
Annual	
4. Description Preparation Date:	
10/8/2025	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours (Theoretical) + 60 hours (Practical). (Two theoretical hours and two practical hours week)	
7. Course administrator's name (mention all, if more than one name)	
Name: Istabraq Saeed abbas Email: istabraq.alsultany@alzahu.edu.iq	
8. Course Objectives	
Course Objectives	To learn dental students about medications and their effect on human body systems
9. Teaching and Learning Strategies	
Strategy	The teaching strategy for the "pharmacology" course relies on a mix of interactive and technological methods. It aims to enhance students' academic and practical skills, enabling them to understand the fundamentals of medical biology and apply them in dental practices. These strategies include: 1. Active Learning 2. Blended Learning 3. Experiential Learning 4. Collaborative Learning 5. Continuous Assessment 6. Academic Guidance and Direct Interaction 7. Utilizing Modern Teaching Methods 8. Self-Assessment

10.Course structure				
Hours	Subject name	Required learning outputs	Learning method	Assessment method
2	Pharmacology: General concepts	Pharmacokinetics Pharmacodynamics	Power Point	Quiz
2	Autonomic nervous system	Cholinergic agonist Cholinergic antagonist	Power point	Quiz
2	Adrenergic system	Adrenergic agonist Adrenergic antagonist	Power point	Quiz
2	Antihypertensive drugs	Beta blockers Diuretics	Power point	Quiz
2	Vasodilator Drugs	Nitrate Ca channel blocker ACE inhibitors	Power Point	Quiz
2	Management of angina and heart failure	Management of angina and heart failure	Power Point	Quiz
2	Anticoagulants, antiplatelet and anti-hyperlipidemic drugs	Anticoagulants Antiplatelet Anti-hyperlipidemic drugs	Power Point	Quiz
	Mid examination		Power Point	Quiz
2	Introduction the pharmacology of CNS drugs	Definition of CNS Sedative drugs Hypnotics drugs	Power Point	Quiz
2	CNS drugs	Antiseizures drugs Antipsychotic Antidepressant drugs	Power point	Quiz
2	Local and general anaesthetics	Local general anaesthetics	Power Point	Quiz
2	Drug of abuse and opioid analgesics	Opioid analgesics NSAID analgesic	Power Point	Quiz

2	steroidal anti-inflammatory drugs	Indications of steroids	Power Point	Quiz
2	Drugs acting on respiratory system	Respiratory diseases Respiratory drugs	Power Point	Quiz
2	Managements of diabetes mellitus	Types of DM Drugs of DM	Power Point	Quiz
2	Drugs affecting GIT	Anti-emetic Anti-diarrhea Anti acide	Power Point	Quiz
2	Oro dental Prescription		Power Point	Quiz
2	Principles of antimicrobial therapy	Classifications of Antibiotics	Power Point	Quiz
2	Antibiotics	Cell wall inhibitors	Power Point	Quiz
2	Antibiotics	Protein synthesis inhibitors	Power Point	Quiz
2	Antibiotics	Quinolones, Folic acid antagonists	Power Point	Quiz
2	Antibiotics	Antimycobacterial	Power Point	Quiz
2	Antibiotics resistance	Mechanisms of resistance	Power Point	Quiz
2	Antifungal, antiviral and antiprotozoal drugs		Power Point	Quiz
2	Sex hormone and contraceptive	Sex hormone Contraceptive	Power Point	Quiz
2	Thyroid hormones and anti-thyroid drugs	Thyroid hormones Anti-thyroid drugs	Power Point	Quiz
2	Anticancer drugs	Classifications of chemotherapy	Power Point	Quiz
2	Dental Pharmacology	Drugs and chemicals used in dental clinic	Power point	Quiz
2	Anticaries	Drugs used in prevention of dental plaque	Power point	Quiz
2	Essential emergency drugs		Power Point	Quiz

	in dental clinic			
Course evaluation			Mid Exam	
			Final exam	
Text book & references 1- Pharmacology (Lippincott Illustrated Reviews Series) 7th Edition (2019) 2- Katzung's Basic & Clinical Pharmacology, 16th Edition 3- Contemporary Dental Pharmacology : Evidence-Based Considerations 1st ed (2019)				