



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Allied Dental Sciences Department

ADS216 Pharmacology For Allied Dental Sciences Students

Second Semester 2023-2024

Course Catalog

2 Credit Hours. This course is designed to provide the student with essential and basic knowledge of pharmacology most relevant to dentistry.

Teaching Method: Blended

Text Book

Title	The Pharmacological basis of therapeutics
Author(s)	Goodman and Gilman's
Edition	13th Edition
Short Name	Goodman
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
katzung	Basic and Clinical Pharmacology	Bertram G Katzung and Anthony J Trevor.	14th Edition	

Instructor

Name	Mrs. Reem Sheyab
Office Location	M6-L0
Office Hours	
Email	rmsheyab@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Wed : 11:30 - 13:30

Room: M4201

Prerequisites

Line Number	Course Name	Prerequisite Type
911072	CHEM107 General Chemistry Lab	Prerequisite / Study
961070	BT107 General Biology Laboratory	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	- Introduction and orientation - Pharmacodynamics - Routes of drug administration -	- From Goodman , - From katzung
Week 3	CNS Pharmacology : Anti-epileptics - Anxiolytics and Hypnotics - General Anesthesia	- From Goodman , - From katzung
Week 4	Endocrine Pharmacology :Pharmacology of Adrenocorticosteroids Endocrine Pharmacology - Pharmacology of Diabetes Mellitus	- From Goodman , - From katzung
Weeks 5, 6	Autonomic Nervous System : Introduction-Cholinergic Agonist - Cholinergic Antagonist - Adrenergic Agonist -Adrenergic Antagonist	From Goodman , From katzung
Week 7	CVS Pharmacology : Hypertension - Angina pectoris	- From Goodman , - From katzung
Week 8	Pharmacology of Bronchial Asthma & Cough	- From Goodman , - From katzung
Week 9	Antihistamines	From Goodman , From katzung
Week 9	Local anesthesia (LA) drugs	- From Goodman , - From katzung

Week 10	Antimicrobial Agents - Introduction of Antimicrobial Agents - Cell Wall Inhibitors	- From Goodman, - From katzung
Week 11	-Protein Synthesis Inhibitors -Other Antimicrobials	From Goodman, From katzung
Week 12	- Antivirals & Antifungals	- From Goodman, - From katzung
Week 13	- NSAIDs	- From Goodman, - From katzung
Week 13	Anti-platelets, Anti-coagulants & thrombolytic agents	- From Goodman, - From katzung
Week 14	Opioids	- From Goodman, - From katzung
Week 15	GIT drugs	- From Goodman, - From katzung

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
CILO1 Identify and study general principles of pharmacology with focus on dental practice including pharmacokinetics and pharmacodynamic and to list the advantages and disadvantages of each route of drug administration.	25%	

Relationship to Program Student Outcomes (Out of 100%)									
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10

Policy

Attendance policy:	Attendance policy: -Students are expected to attend more than 90% of lectures. -If absence is more than 10% student will be banned from the course. -J.U.S.T policy requires the faculty member to assign Zero grade (35%) if a student misses 10% of the classes that are not excused. -If you miss any class, it is your responsibility to find out about any announcements or assignments you may have missed.
Cheating	The commitment of the acts of cheating and deceit such as copying during the examination is dishonest and will not be tolerated; standard J.U.S.T policy will be applied.
he format of the exams	The format of the exams is generally (but not always) as follows: Multiple choices, short and long essay question

Date Printed: 2024-03-03