



Jordan University of Science and Technology
Faculty of Pharmacy
Doctor Of Pharmacy (Pharm D.) Department

PHMD542 Therapeutics- Pediatric Health (For Pharm D Students)

Second Semester 2022-2023

Course Catalog

2 Credit Hours. Pharmacotherapy of pediatric diseases in relation to the pathophysiologic conditions of the patient. Concepts of drug action, therapeutic uses, goals of treatment, therapeutic plan, patient counseling, drug monitoring and evaluation of the therapeutic outcomes. Methods of interacting and supporting other members of the medical care team by developing and evaluating patient's therapeutic plans, and offering alternative therapeutic options/plans when needed.

Text Book

Title	Pharmacotherapy Principles and Practice
Author(s)	Chisholm-Burns et al
Edition	6th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Current Diagnosis & Treatment Pediatrics	William Hay et al	24th Edition	
Ref #3	Applied Therapeutics: the clinical use of drugs	Zeind and Carvalho	11th Edition	
Ref #4	Nelson essentials of pediatrics	Marcdante and Kliegman	8th Edition	

Instructor

Name	Prof. Basima Almomani
Office Location	-
Office Hours	
Email	baalmomani1@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: Sun, Tue : 09:30 - 10:30
 Room: N1302

Section 2:
 Lecture Time: Sun, Tue : 12:30 - 13:30
 Room: PH2104

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	Pediatric Diseases	Chapter #2 From Ref #1
Week 2	Administering medication to children	Chapter 104: P2154- P2156 From Ref #3
Weeks 3, 4	Common pediatric illnesses: teething, diaper rash, febrile seizures, constipation, vomiting & diarrhea, viral gastroenteritis	Chapter #104 From Ref #3
Week 4	Pediatric Enuresis	Chapter # 53 From Ref #1
Week 5	Attention-Deficit/ Hyperactivity Disorder	Chapter # 43 From Ref #1

Weeks 5, 6	Thalassemia & Sickle cell disease	P 909-915 From Ref #2
Week 7	Infant nutrition	Chapter #103: P2143-2145 From Ref #3
Weeks 7, 8	Cystic fibrosis	Chapter #17 From Ref #1
Week 9	Poisoning	Chapter #45: P160 From Ref #4
Week 10	Idiopathic thrombocytopenia purpura	P 927-929 From Ref #2
Week 10	Nephrotic syndrome	Chapter #162 From Ref #4
Week 11	Whooping cough	P 1289-1291 From Ref #2
Week 11	Glucose-6-Phosphate Dehydrogenase (G6PD) Deficiency	P 916-917 From Ref #2
Week 12	Autism	P 89-93 From Ref #2
Week 12	Sudden Infant Death Syndrome	P 558-559 From Ref #2
Week 13	Circumcision in baby boys	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the epidemiology, etiology, pathophysiology and clinical presentation of the disease [1PLO1.1]	30%	
Design a therapeutic plan utilizing evidence-based medicine [1PLO3.1]	45%	
Prepare a monitoring and follow up plan to evaluate efficacy and safety of therapy [1PLO2.1]	15%	
Discuss an appropriate education for the patients about their diseases and appropriate use of medications. [1PLO3.2]	10%	

Relationship to Program Student Outcomes (Out of 100%)																
PLO1.1	PLO2.1	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.2	PLO3.3	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1	PLO5.1
30	15				45	10										

Evaluation	
Assessment Tool	Weight
First Exam	25%
Second Exam	25%
Active learning	10%
Final Exam	40%

Policy	
Communicating with Instructors	<ul style="list-style-type: none"> - Students should communicate through their official JUST emails. Communication through personal email accounts (yahoo, Gmail, Hotmail, etc.) or social media will NOT be accepted, and no response will be provided. - Students are required to check their emails and the E-learning page of the course regularly for announcements and notifications.
Exams	<ul style="list-style-type: none"> - All exams are closed books and notes. - The final exam is comprehensive (covers all the material). - The first, second, and midterm incomplete exams need approval from the departments' heads. - The final incomplete exams need approval from the dean.
Cheating	<p>Prohibited; The commitment of the acts of cheating and deceit such as copying during examinations, altering examinations for re-grade, plagiarism of homework assignments, and in any way representing the work of others as your own is dishonest and will not be tolerated. Standard JUST policy will be applied.</p> <p>المادة 7: إذا ضُبط الطالب أثناء الامتحان أو الاختبار متلبساً بالغش فتوقع عليه العقوبات التالية مجتمعة: أ- اعتباره راسياً في ذلك الامتحان أو الاختبار. ب- الغاء تسجيله في بقية المسابقات المسجل لها في ذلك الفصل. ج- فصله من الجامعة لمدة فصل دراسي واحد، و هو الفصل التالي للفصل الذي ضبط فيه.</p>
Attendance	<ul style="list-style-type: none"> - Attendance is mandatory and will be recorded regularly. - Excellent attendance is expected. - Students who miss more than 20% of the classes will be dropped from the course as per JUST policy. - If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Active learning and students' participation	<ul style="list-style-type: none"> - in-class clinical cases, team-based learning activities, paper review, quizzes / assignments, preparing educational materials for patients and brain storming questions.

Withdraw	- Last day to drop the course is before the twelve (12th) week of the current semester
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