



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR644 Clinical Training :Paediatrics (For Pharm.D Students)

Summer Semester 2019-2020

Course Catalog

4 Credit Hours. Four experiential training weeks in a pediatrics department. This includes various activities such as attending morning rounds, other clinical rounds, and discussing clinical cases based on daily follow-up and monitoring, and detailed evaluation of the pharmacotherapeutics of their assigned patients in the department. The goal is to improve students' practical clinical skills that would enhance the positive contribution of clinical pharmacists in medical care at the hospital

Text Book

Title	Pharmacotherapy: A Pathophysiological Approach
Author(s)	Dipiro et al
Edition	9th 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	10th Edition	
Ref # 3	Nelson essentials of pediatrics	Karen et al	7th Edition	
Ref # 4	Pharmacotherapy Principles and Practice	Chisholm-Burns et al	4th Edition	
Ref # 5	Basic and clinical pharmacology	Katzung et al	10th Edition	
Ref # 6	Uptodate	www.Uptodate.com	10th Edition	

Instructor

Name	Dr. Belal Al-Husein
Office Location	M5 L-4
Office Hours	Sun : 08:30 - 09:30 Mon : 09:30 - 10:30 Tue : 10:30 - 12:30 Wed : 08:30 - 10:30
Email	belalhusein@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 2:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 3:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 4:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 5:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 6:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 7:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 8:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Upper Respiratory Tract Infections	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Lower respiratory Tract Infections	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Urinary Tract Infections	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Sepsis	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	CNS infection	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Gastrointestinal infections	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Cystic fibrosis	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Chemotherapeutic drugs	(chapters 43-51) From Ref # 5

Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Vaccines	From Ref # 2 , From Ref # 6
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Febrile seizure	From Ref # 2 , From Ref # 6
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Diabetic ketoacidosis (DKA)	From Ref # 2 , From Ref # 6
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Rheumatic fever	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Idiopathic thrombocytopenia purpura (ITP)	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Nephrotic syndrome	From Ref # 6
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Glucose-6-Phosphate Dehydrogenase (G6PD) Deficiency	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Thalassemia & Sickle cell disease	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Whooping cough	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Poisonings in children	From Ref # 3
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Asthma in children	From Ref # 1 , From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Pediatric enuresis	From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Autism	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Attention deficit hyperactivity disorder (ADHD)	From Ref # 4
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Constipation and diarrhea	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Croup	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Kawasaki Disease	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Celiac Disease (Gluten Enteropathy)	From Ref # 2
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Familial Mediterranean fever (FMF)	From Ref # 2

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Learn how to take a proper history from pediatric patients and their families. [1SO1.1, 1SO3.6, 1SO4.4]	10%	
Discover and solve medical and drug related problems [1SO1.1, 1SO3.1]	15%	

Establish the appropriate therapeutic strategies and develop a comprehensive pharmaceutical care plan for patients [1SO1.1, 1SO2.1, 1SO2.3, 1SO3.1]	30%	
Counsel patients properly with respect to drug therapy and disease [1SO2.1, 1SO2.3, 1SO3.6, 1SO4.4]	15%	
Interact with different healthcare professionals with respect to drug therapy during clinical rounds, morning reports and scientific discussion [1SO3.4, 1SO3.6, 1SO4.4]	15%	
Monitor for drug efficacy and safety of therapeutic regimen [1SO1.1, 1SO2.1, 1SO2.3]	15%	

Relationship to Program Student Outcomes (Out of 100%)															
SO1.1	SO2.1	SO3.2	SO3.3	SO2.2	SO2.3	SO2.4	SO3.1	SO3.4	SO3.5	SO3.6	SO4.1	SO4.2	SO4.3	SO4.4	
23.33	16.25				16.25		15	5		12.08				12.08	

Evaluation	
Assessment Tool	Weight
Mid Exam	60%
Final Exam	40%

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Makeup exam should not be given unless there is a valid excuse approved by the dean.
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to the university law.
Attendance	According to the JUST policy, it requires the faculty member to assign ZERO grade (35) if a student misses 10% of the classes that are not excused.
Participation	All students should interact during morning reports, clinical rounds and scientific discussion.
Laboratory	Training will be in hospital and not in the lab.
Withdraw	Last day to drop the course is before the twelve (12th) week of the current semester.

Date Printed: 2020-09-24