

School of Pharmacy / School of Pharmacy (English)

2024 - 2025 Academic Year

CLINICAL PHARMACY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CLINICAL PHARMACY	PHA4114863	Fall Semester	3+0	3	4
Prerequisites Courses	FARMAKOLOJİ III				
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Rashida Muhammad UMAR				
Name of Lecturer(s)	Assist.Prof. Rashida Muhammad UMAR				
Assistant(s)					
Aim	Describe the concepts of clinical pharmacy and patient-oriented pharmacy, and show the roles of the clinical pharmacist at rational drug use and successful pharmacotherapy in acute and chronic cases.				
Course Content	This course contains; Introduction to Clinical Pharmacy, Patient Oriented Pharmacy, Current Status in World, Therapeutic drug monitoring and laboratory tests evaluation, Asthma and COPD Management, Upper and Lower Respiratory System Infections, Peptic Ulcer and GERD, Diarrhea and Constipation, NSAID, Pain and fever management, Diabetes, Hypertension, Kidney disease, Hyperlipidemia, Coronary artery disease, Heart failure, Venous thromboembolism.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Recognize the terms of clinical pharmacy and patient oriented pharmacy.			16, 9	A	
1.1. describe the clinical pharmacy and other patient oriented pharmacy terms			16, 9	A	
1.2. Explain the general and specific roles of clinical pharmacist.			16, 9	A	
1.3. Interpret the relationships between clinical pharmacy, pharmaceutical care and good pharmacy practice			13, 9	A	
1.4. Recognize "the nine star pharmacist" concept			19, 9	E	
1.5. Explain the principles of rational drug use			16, 9	A	
2. Discusses the pharmacist's roles in the management of frequently encountered acute and chronic diseases			13, 16, 4, 9		
2.1. Interpret the role of pharmacist in management of chronic and acute diseases.			13, 16, 9	A	
2.2. Follow-up on the recent pharmacotherapy updates			10, 13, 9	A	
2.3. Recognizes the sources of information about drug preference and counselling in special patient population such as geriatrics, pediatrics, pregnant and lactating patients			10, 13, 38, 6, 9	A	
3. Explains patient-centered optimal treatment choices			13, 16, 6, 9	A	
Teaching Methods	10: Discussion Method, 13: Case Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 38: Care Plan, 4: Inquiry-Based Learning, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to Clinical Pharmacy, Patient Oriented Pharmacy, Current Status in World	1, 2, 3, 4			
2	Therapeutic drug monitoring and laboratory tests evaluation	1, 2, 3, 4			
3	Asthma and COPD Management	1, 2, 3, 4, 5			
4	Upper and Lower Respiratory System Infections	1, 2, 3, 4			
5	Peptic Ulcer and GERD	1, 2, 3, 4			
6	Diarrhea and Constipation	1, 2, 3, 4			
7	NSAID, Pain and fever management	1, 2, 3, 4			
8	Diabetes	1, 2, 3, 4, 5			
9	Hypertension	1, 2, 3, 4, 5			
10	Kidney disease	1, 2, 3, 4, 5			
11	Hyperlipidemia	1, 2, 3, 4, 5			
12	Coronary artery disease	1, 2, 3, 4, 5			
13	Heart failure	1, 2, 3, 4, 5			
14	Venous thromboembolism	1, 2, 3, 4, 5			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources

1. Lecture Notes Reference Books: 2. Dipiro JT (2020), Pharmacotherapy A Pathophysiologic Approach (11th ed.) McGraw Hill, US. 3. Wiffen P (2012) Oxford Handbook of Clinical Pharmacy (2nd ed) Oxford Uni P 4. Whittleseas C (2019), Clinical Pharmacy and Therapeutics (6th ed) Elsevier 5. Updated treatment guidelines