

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Clinical Pharmacy
Course number	PHPT5220
Faculty	
Department	
Course type	Major Needs
Course level	5
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - To understand the concept of clinical pharmacy and the importance of clinical pharmacy practice in different health care settings
2 - To gain the important knowledge and skills needed for the practice of clinical pharmacy

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * To understand what is clinical pharmacy and how it differs from traditional pharmacy * To understand the changes that lead to the transition in the profession of pharmacy from traditional to clinical * To know the aims of clinical pharmacy and its achievements worldwide * To understand drug-related problems , their different types and causes * To understand adverse drug reactions, their different types, and how can they be detected and prevented * To get a good understanding of the difference in drug kinetics and dynamics in different age groups with special emphasis on geriatrics and pediatrics * To discuss some common geriatric and pediatric diseases, their management and the role of pharmacist in their care * To understand the different laboratory data, their interpretation and their utilization in monitoring of drug therapy * To understand some special activities of pharmacists as the preparation of parenteral nutrition
Intellectual Skills	<ul style="list-style-type: none"> * To be able to analyze cases related to different conditions, situations and age groups, detecting drug related problems and choose the best therapy for them
Professional Skills	<ul style="list-style-type: none"> * To prepare students to assume their important roles to care for patients and their drug therapy whether in their community pharmacies, primary care settings, or in hospitals
General Skill	<ul style="list-style-type: none"> * Presentation skills * To search for and criticize information related to drugs

Course Contents

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| 1 - Introduction to clinical pharmacy |
| 2 - Drug related problems |
| 3 - Adverse drug reactions and pharmacovigilance |
| 4 - Interpretation of laboratory data |
| 5 - Parenteral nutrition |
| 6 - Neonates |
| 7 - Pediatrics |
| 8 - Geriatrics |
| 9 - Drug use in pregnancy and lactation |

Teaching and Learning Methods

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| 1 - Lectures |
| 2 - Case studies |
| 3 - Presentations |

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Mid term exam	7th week	40
Presentation	During the semester	10
Final exam	Final examination period	50

Books and References

Essential books	Clinical pharmacy and therapeutics, 5th edition. By: Roger Walker. Cate Whittlesesa. Churchill Livingstone 2012
Recommended books	Pharmacotherapy: A pathophysiologic approach, 9th edition. By: Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey. Mc Grow Hill 2015
Other References (Periodical, web sites, etc.)	www.medscape.com