



Pharmacotherapy-I	
Title: Pharmacotherapy-I	
Subject Code: 442 PHCL	
Semester: Seventh Semester (Fourth year).	
Duration: 2 + 1 Units (4 contact hours) per week.	
Aims: To provide knowledge on clinical pharmacodynamics, clinical drug data and treatment of cardiovascular diseases.	
Objectives: At the end of the course the student should be able to demonstrate knowledge of clinical pharmacodynamics, clinical laboratory tests and their interpretations, pathophysiology & treatment of cardiovascular and respiratory diseases.	
Contents: Lectures: Clinical pharmacodynamics, clinical laboratory tests and their interpretation, racial, ethics and gender differences in response to drugs. Pathophysiology and pharmacology in the treatment of hypertension, congestive heart failure cardiac arrhythmias, ischemic heart disease, acute myocardial infarction, thromboembolic disease and hyperlipidemia. Concepts of pathophysiology and pharmacology in the treatment of asthma, chronic obstructive pulmonary diseases and cystic fibrosis. Practical: Clinical cases study and discussion sessions.	
Minimum course requirements: 30 (2 x 15) Unit lectures and 30 practical hours (2 x 15) per level.	
Evaluation methods:	



-Quizzes	10%
- Mid term examination	25%
- Practical examinations	25%
- Final examination (written)	40%
Text Books (latest edition):	
1. Pharmacotherapy: A Pathophysiologic Approach, Joseph T. Dipiro, Robert L. Talbert, and Michael Posey, fifth edition, Appleton and Lange: Norwalk, Connecticut.	
2. Textbook of Therapeutics: Drug and Disease Management, Herfindal Eric and et al, Lippincott Williams and Wilkins.	
Recommended books (latest edition):	
1- Therapeutic Drugs, Sir Colin Dollery, Churchill Livingstone.	
2- Pharmacotherapy Casebook, A Patient Focused Approach / Terry L. Schwing hammer...et al, Stamford: Appleton and Lange.	
3- Applied Therapeutics: The Clinical Use of Drugs, Mary A. Koda, Lloyd Wayne and Joseph Guglielmo.	
4- Pharmaco Therapeutics for Advanced, Arcangelo.	
5- Clinical Pharmacy and Therapeutics, Walker.	