



Course Code PHAR-460	Course Title Therapeutics-Clinical Pharmacy/Θεραπευτική - Κλινική Φαρμακευτική	Credits (ECTS) 3
Department Life & Health Sciences	Semester Fall	Prerequisites None
Type of Course Elective	Field Pharmacy	Language of Instruction Greek/English
Level of Course 1 st Cycle	Year of Study 4 th year	Lecturer Maria Mastorikou/Zacharia Lefteris
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

This course focuses on pharmacology and therapeutics used in the treatment of selected health conditions commonly encountered by the advanced pharmacy practice. Emphasis is placed on the decision making process utilized to safely and effectively prescribe and monitor pharmacotherapeutics appropriate to the patient situation

Learning Outcomes:

- At the successful completion of this course students should be able to:
1. Analyze factors pertinent to making a drug selection for a patient with a specific diagnosis;
 2. Analyze patient indicators of therapeutic, ineffective, or adverse responses to drug therapy.
 3. Select the appropriate drugs for the treatment of patients with specific medical diagnoses.
 4. Analyze information on patient teaching for safety of prescribed drug therapy.
 5. Utilize current drug research findings for decision making in drug therapy.
 6. Analyze pharmacotherapeutics, pharmacokinetics, and pharmacodynamics related to medication
 7. Know the role of age, sex, race, body weight, diet, pregnancy, lactation and various disease conditions and determine their importance in prescribing drugs.
 8. Know the importance and dangers of multidrug therapies;
 9. Determine important pharmacokinetic parameters of drugs, e.g. C_{max}, t_{1/2}, AUC).

Course Contents:

Pharmacotherapeutics, pharmacokinetics, pharmacodynamics, substance abuse, prescriptive authority, state regulations, authority and collaboration, autonomic

nervous system drugs, central nervous system drugs, immune system drugs, cardiovascular system drugs, respiratory system drugs, hematologic drugs, renal/urinary drugs, GI system drugs, endocrine system drugs, psychotropic drugs, gynecological medications, drugs for infectious diseases, nutrition supplements, drugs for hepatic disorders, drugs for rheumatic diseases, and drugs for disorders of the eye, ear, and skin.

Learning Activities and Teaching Methods:

Lectures, class discussion, assignments

Assessment Methods:

Final Examination, Course work

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
M. Randall, K. E. Neil	Disease Management: A Guide to Clinical Pharmacology	Pharmaceutical Press		
Graham-Smith D. G., Aronson J. K	Κλινική Φαρμακολογία και Φαρμακοθεραπεία	Γ.ΔΑΡΔΑΝΟΣ - Κ. ΔΑΡΔΑΝΟΣ		

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Wiffen p, Mitchell M	Oxford handbook of clinical Pharmacy	Oxford university press		
Laurence L. Brunton, Bruce A. Chabner, Björn C. Knollmann	Goodman & Gilman's The Pharmacological Basis of Therapeutics	Laurence L. Brunton, Bruce A. Chabner, Björn C. Knollmann		