



Course Syllabus

Course Code	Course Title	ECTS Credits
IMPH-460	Therapeutics - Clinical Pharmacy/ Θεραπευτική-Κλινική Φαρμακευτική	4
Prerequisites	Department	Semester
IMPH-365, IMPH-366	Health Sciences	Fall/Spring
Type of Course	Field	Language of Instruction
Elective	Pharmacy	Greek/ English
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Dr Eleftheria Galatou	4 th
Mode of Delivery	Work Placement	Corequisites
Face-to-Face	N/A	N/A

Course Objectives:

The main objectives of the course are to:

- Explain pharmacology and therapeutics used in the treatment of selected health conditions commonly encountered by the advanced pharmacy practice.
- Emphasize on the decision-making process utilized to safely and effectively prescribe and monitor pharmacotherapeutics appropriate to the patient situation

Learning Outcomes:

After completion of the course students are expected to be able to:

- Explain factors pertinent to making a drug selection for a patient with a specific diagnosis
- Outline patient indicators of therapeutic, ineffective, or adverse responses to drug therapy
- Recognize the appropriate drugs for the treatment of patients with specific medical diagnoses
- Analyze information on patient teaching for safety of prescribed drug therapy
- Utilize current drug research findings for decision making in drug therapy
- Explain pharmacotherapeutics, pharmacokinetics, and pharmacodynamics related to medication

- Understand the role of age, sex, race, body weight, diet, and various disease conditions and determine their importance in prescribing drugs
- Know the importance and dangers of multidrug therapies

Course Content:

1. Pharmacotherapeutics- Case studies
2. Autoimmune diseases- immune system drugs
3. Heart failure- cardiovascular system drugs
4. Acute myocardial infarction
5. COPD- respiratory system drugs
6. Pneumonia
7. Hemoglobinopathies- hematologic drugs
8. Duodenal ulcer- GI system drugs
9. Thyroid diseases- endocrine system drugs
10. Schizophrenia- psychotropic drugs
11. Headaches- migraines
12. Rheumatoid diseases- drugs for rheumatic diseases
13. Drugs for disorders of the eye, ear, and skin

Learning Activities and Teaching Methods:

Lectures, Discussion of case studies

Assessment Methods:

Midterm exam, final exam

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Clinical Pharmacy and Therapeutics 6th Edition	Cate Whittlesea Karen Hodson	Elsevier	2018	9780702070129

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
A Textbook of Clinical Pharmacology and Therapeutics, 5 th edition	James Ritter, Lionel Lewis, Timothy Mant, Albert Ferro	CRC Press	2008	9780340900468