



## Course Syllabus

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS Credits</b>
IMPH-400	Pharmacy Practice I/ Φαρμακευτική Πρακτική I	6
<b>Prerequisites</b>	<b>Department</b>	<b>Semester</b>
IMPH-200/IMPH-365/IMPH-366/IMPH-265/IMPH280	Health Sciences	Fall/Spring
<b>Type of Course</b>	<b>Field</b>	<b>Language of Instruction</b>
Compulsory	Pharmacy	Greek/English
<b>Level of Course</b>	<b>Lecturer(s)</b>	<b>Year of Study</b>
1 <sup>st</sup> Cycle	Dr. Aiki Peletidi & Ms Elli Philippou	4 <sup>th</sup>
<b>Mode of Delivery</b>	<b>Work Placement</b>	<b>Corequisites</b>
Face-to-face	Simulation pharmacy	N/A

### Course Objectives:

Pharmacists are increasingly recognized as key providers in primary healthcare by providing services related to drug use, disease management, and health promotion. According to Scahill et al., 2017, a key part of pharmacy education is pharmacy practice, which mainly involves clinical and hospital pharmacy as well as pharmacotherapy. Pharmacy practice is an area of pharmacy that provides students with excellent consulting and clinical knowledge skills.

The main objectives of the course are:

- In-depth knowledge of the concepts of pharmacy practice including clinical pharmacy.
- Monitoring of narrow therapeutic medication including dosing
- Solving clinical scenarios for the most common chronic conditions at both the hospital and community pharmacy setting
- Develop students' communication skills in a safe environment with the goal of effective patient care

### Learning Outcomes:

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

1. List all the steps that they need to take to get a medical history
2. Recognise drug interactions to minimise the occurrence of adverse reactions in clinical practice
3. Evaluate the clinical effects of the safety and efficacy of the drugs
4. Apply and evaluate guidelines such as NICE, SIGN, ESC to make appropriate decisions regarding patients' pharmacotherapy
5. Evaluate pharmacotherapy in specific patient groups (elderly, pregnancy, diabetic, CVD, hepatic, renal failure)
6. Acquire knowledge, critical thinking, and skills through relevant clinical-based scenarios
7. Apply this knowledge to optimise the health and quality of life of patients by effective, safe, and cost-effective medication administration.

### Course Content:

This course will cover the following topics:

1. Pharmacy Practice and Clinical Pharmacy
2. Medical and Pharmaceutical History / Introduction to Guidelines - Introduction to simulation pharmacy and Communication Techniques
3. Therapeutic monitoring of major drugs (TDM-Phenytoin, Theophylline, Lithium, Digoxin)
4. A) Hypertension (NICE GUIDELINES + ESC)  
B) Understanding hypertension through a clinical scenario (workshop)
5. A) Asthma (NICE GUIDELINES, SIGN GUIDELINES, BNF)  
B) Understanding asthma through a clinical scenario (workshop)
6. A) Type II Diabetes Mellitus (NICE GUIDELINES, BNF)  
B) Understanding diabetes through a clinical scenario (workshop)
7. A) Stroke (NICE GUIDELINES)  
B) Understanding the brain through a clinical scenario (workshop)
8. Atrial fibrillation (NICE GUIDELINES)
9. Osteoporosis (NICE GUIDELINES, BNF)
10. Ulcerative colitis (via clinical-based scenario - in class assessment)
11. Myocardial infarction / heart failure (through clinical-based scenario - in class assessment)
12. Urinary Tract Infections (through clinical-based scenario - in class assessment)

### Learning Activities and Teaching Methods:

Interactive Lectures, self-directed study and assessments, individual and group work, case studies, assignments

### Assessment Methods:

In class assessment: group-based clinical case scenario, Mini OSCEs, final exam

### Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Joint Formulary Committee	British National Formulary 78 (BNF)	Pharmaceutical Press	Sep 2019-March 2020	

### Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Clinical Pharmacy and Therapeutics	Rogers	Churchill Livingstone ELSEVIER	5 <sup>th</sup> edition	ISBN 978-0-7020-4293-5