



## Course Syllabus

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS Credits</b>
IMPH-520	Preregistration Practice/ Πρακτική	30
<b>Prerequisites</b>	<b>Department</b>	<b>Semester</b>
The trainee must have successfully passed all the courses	Health Sciences	Fall/Spring
<b>Type of Course</b>	<b>Field</b>	<b>Language of Instruction</b>
Compulsory	Pharmacy	English and Greek
<b>Level of Course</b>	<b>Lecturer(s)</b>	<b>Year of Study</b>
1 <sup>st</sup> cycle	Pharmacy tutors –All Registered Pharmacists	5 <sup>th</sup>
<b>Mode of Delivery</b>	<b>Work Placement</b>	<b>Corequisites</b>
Face to face	Practice in a community pharmacy setting or/and in a hospital pharmacy setting	N/A

### Course Objectives:

The main objectives of the course are to:

- Provide to the trainees a structured practice-oriented approach to pharmacy practice
- Enable the trainee to obtain knowledge and skills that are necessary for the subsequent practice of the pharmacist profession
- Enable the trainee to work under the supervision of a qualified pharmacist tutor (registered pharmacist with at least three years of experience) approved by the UNIC
- Recognise and identify professional aspects and the legal framework governing the supply and use of medicines
- Understand the use of medicines in society
- Recognise and apply the ethical standards that the practice of pharmacy demands
- Identify and evaluate minor ailments
- Counselling the public about public health issues including lifestyle advice
- Identify and interpret the pharmacist's public health role in the community

**Learning Outcomes:**

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

**1. Knowledge & Understanding**

- describe components of pharmacy operations including risk management strategies
- manage medication distribution and inventory control

**2. Skills**

- apply problem-solving strategies in pharmacy
- develop and maintain documentation systems in pharmacy
- plan and perform patient evaluation to identify possible/risk for drug-related and non-drug related problems
- manage human and fiscal resources
- promote health, wellness and disease prevention apply pharmacy processes into practice

**More specifically:****1. Assess medication regimen**

- a. Identify and evaluate indications, doses, side effects for OTC and prescribed
- b. Assess response to current therapy
- c. Identify untreated health-related problems
- d. Identify medication errors
- e. Improve adherence and medicines' optimisation

2. Recommend appropriate pharmacological and non-pharmacological treatment including early screening, diagnosis, medication regimen and referrals when needed.

3. Assess patients with health problems and refer patients to other healthcare professional as appropriate

4. Provide appropriate medication counselling to patients and caregivers being sensitive to cultural, socioeconomic, and other factors which may impact a patient's care

5. Provide drug information (identify and evaluate information sources and provide appropriate responses to patients and others)

6. Dispense medications appropriate to community practice including prescription verification, telephone orders, proper selection, preparation, compounding, labelling, storage, packaging, handling, and disposal

7. Undertake projects related to operational issues

8. Make formal consultations on topics related to community pharmacy practice related to:

- a. Newly prescribed medications
- b. Discussion of current guidelines
- c. Patient educational materials

Practice program considers and includes the *guidelines published by Competent Authorities and the provisions of Directive 2005/36EC, 2006/123/EC and 2013/55/EU, as amended.*

### Course Content:

#### General:

- Adverse Drug reactions and Medication Errors
- Responding to Symptoms and minor ailments
- Patients assessment and referrals
- Nutrition
- Health Promotion
- Evidence-based medicine
- Pharmacy Law and Ethics

It is a recommendation that the following topics should also be covered:

- Professionalism and Governance (separate from Law and Ethics)
- Drug Monitoring (interpreting and using Patient and Laboratory Data)
- National pharmacy policy
- Designing and Recommending a Pharmacist's Care Plan
- Quality Standards in pharmacy practice
- Pharmacy function as a business
- Communication skills in Pharmacy

#### Specific points

The trainee should:

- Correctly dispense the prescriptions within the pharmacy
- Check the prescriptions' validity
- Perform pharmacy calculations correctly
- Assemble the prescription correctly. This includes packaging and producing computer-generated labels

- Supply extemporaneously/galenic preparations according to the correct formula
- Correctly issue dispensed item(s) to patient or representative, with appropriate information and advice.
- Ensure stock is managed correctly. This will include ordering, checking on delivery and dealing with discrepancies, stock rotation, dealing with recalls and returned items, storage, and disposal
- Respond appropriately to requests to dispense prescription-only items without a prescription
- Handle requests from patients or their representatives and from prescribers
- Process correctly the necessary documentation

The above endorsing in both hospital and community pharmacies.

### **Learning Activities and Teaching Methods:**

Practice logbook, Mcqs

### **Assessment Methods:**

#### **Practice logbook**

Students will have to keep a logbook for their activities in the pharmacy and will be under the supervision of the Pharmacy tutor. Regular visits/checks will take place by the teaching team.

The evaluation process is based on the logbook which students are asked to fill. Students will complete a logbook for their own benefits during their practice. Students will complete the logbook based on a) the knowledge acquired during the previous semesters of their studies, their actual practice in a community pharmacy setting or in a hospital pharmacy setting and b) critical thinking and the ability to blend knowledge and information.

#### **Monitoring plan**

1. To monitor the trainee's work daily and to provide verbal feedback,
2. To provide detailed knowledge acquired by the trainee,
3. To monitor the attitude of the trainee's work
4. To monitor trainee's social skills and personal qualities at the end of each practicing day by the mentor pharmacist.
5. Evaluation of the Logbook kept by the student.

6. On site visits/checks by the authorities and/or the sending organisation on random basis.

**OSCE examination** (mcq stations and problem-solving scenarios)

At the end of their practice students will need to pass an OSCE examination.

OSCE examination which will take place at the of the semester's practice will cover clinical-based scenarios and will include both interactive and written stations.

Grading: Pass/Fail.

Pass will be awarded, if the student exhibits an acceptable performance in the OSCE examination ( $\geq 60\%$ ).

Topic included:

- Identification and evaluation of a pharmaceutical issue based on various patient profiles
- medication reviews and care plans
- patient consultation about OTC medications
- Hospital pharmacy case scenarios
- minor ailment case scenarios

ethical dilemmas and social aspects of pharmacy-case scenarios

**Required Textbooks / Readings:**

Title	Author(s)	Publisher	Year	ISBN
Lecture notes in pharmacy practice	Lilian M. Azzopardi	Pharmaceutical Press	2010	9780853699491
Further MCQs in pharmacy practice	Lilian M. Azzopardi	Pharmaceutical Press	2006	9780853696650
MCQs in pharmacy practice	Lilian M. Azzopardi	Pharmaceutical Press	2009	9780853698395

**Recommended Textbooks / Readings:**

<b>Title</b>	<b>Author(s)</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
Communication Skills for Pharmacists: Building Relationships, Improving Patient Care	Bruce A. Berger	American Pharmacists Association	2009	9781582121321
Φαρμακευτική Πρακτική	Kevin Taylor Μετάφραση και επιμέλεια Ελληνικής έκδοσης Αλίκη Πελετίδη	Παρισιάνου Α.Ε.	2022	9789605836252
Κοινωνική Φαρμακευτική: Συμπτώματα, Διαγνώση και Θεραπεία (4 <sup>η</sup> εκδ.)	Paul Rutter Επιμέλεια Ελληνικής Έκδοσης Αντρεας Παπαπετροπουλος Χριστος Πετρου	ΠΑΡΙΣΙΑΝΟΥ Α.Ε.	2019	9789-60583-451-7