



UNIVERSITY OF NICOSIA

ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

Course Code PHAR-500/501	Course Title Πρακτική/Preregistration Practice	Credits (ECTS) 30+30
Department Life & Health Sciences	Semester Fall/Spring	Prerequisites Students must have attend all and passed courses of the first 4 years plus to have succeed CPA greater than 2.0.
Type of Course Required	Field Pharmacy	Language of Instruction Greek/English
Level of Course 1 st Cycle	Year of Study 5 th year	Lecturer Christos Petrou/ Michalis Petrides/Mourelatou Elena (registered pharmacists)
Mode of Delivery Practice in a Pharmacy	Work Placement Pharmacy	Co-requisites None

Objectives of the Course:

Students are required to attend for practice at a community/hospital pharmacy for a period of 12 months (52 weeks, divided to 26 weeks, to two six-month intervals). Students have to attend during all opening hours of the pharmacy. The students will be under the supervision of a pharmacist and will participate in weekly discussions/lectures with a pharmacist tutor.

The course aims to provide a structured practice-oriented approach to pharmacy practice. Students are exposed to practical experience in a community or hospital setting to appreciate professional aspects, the legal framework governing the supply and use of medicines, the use of medicines in society, the public health role of the pharmacist in the community and the ethical standards that the practice of pharmacy demands.

After completion of the practice period students must produce a valid certificate from the corresponding competent authority (Pharmaceutical Services, Cyprus or the Hygiene Authority of the Prefecture in Greece) about the time spent at the practice site.

Learning Outcomes:

1. Knowledge & Understanding
By the end of the practice period student will be able to:
 - describe components of pharmacy operations including risk management strategies
 - manage medication distribution and inventory control

2. Skills

By the end of the practice period, the student will be able to:

- 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

Course Contents:

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 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 in Pharmacy

Specific points:

The trainee must:

- Correctly receive prescriptions into 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
- Requests from patients or their representatives and from prescribers
- Correctly process necessary documentation

The above endorsing in both hospital and community pharmacies

Learning Activities and Teaching Methods:

The trainee must work under the supervision of a qualified and approved by the UNIC pharmacist tutor (registered pharmacist with at least three years of experience).

Weekly lectures, either physical or on line will be taking place every Wednesday afternoon, when pharmacies do not operate. Lectures will be given by the Faculty or other invited speakers (from the industry, pharmaceutical associations, professionals, pharmacy policy makers) and will be covering items listed above.

Trainees will be expected to abide by the same standards as registrants in the context of Pre-registration training. A booklet of these standards will be given to trainees.

Students will be expected to participate in activities that are deemed appropriate and necessary for the pharmacy care.

Activities may include, but not limited to, the following:

1. Assess medication regimen
 - a. Evaluate indications for each medication
 - b. Assess response to current therapy
 - c. Identify untreated problems
 - d. Recommend medication optimization
2. Recommend appropriate drug and non-drug therapy including consideration of diagnosis and medication regimen
3. Assess patients with health problems and refer patients to other healthcare professional as appropriate
4. Provide appropriate medication counseling 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, labeling, storage, packaging, handling and disposal
7. Undertake projects related to operational issues
8. Make formal written presentations on topics related to community pharmacy practice related to:
 - a. New drugs
 - b. Discussion of current guidelines
 - c. Patient educational materials
 - d. Newsletters

Students will demonstrate ethical and professional behavior in all practice activities

Assessment Methods:

Students will have to keep a log book 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.

Assessment requirements:

- Log Book (evidence provided for assessment should include proof from a wide variety of prescriptions, or other pharmacy activities): 30%
- Attendance (presence in pharmacy, attendance of the lectures): 30%
- Final Exam: 40%

The evaluation process is based on questions in which students are asked to answer based on both the knowledge gained from teaching, practice and presence in a pharmacy open to the public or by the hospital pharmacy and the study and critical thinking and the ability to blend knowledge and information.

Grading: Pass/Fail. Pass will be if the student accumulates a 60% or higher performance from the three evaluation components listed above

Suggested Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
C. Langley	Applied pharmaceutical practice	Fast track	2010	
	Legislation on Pharmacies			
Azzopardi L (ed).	Lecture notes in pharmacy practice. 2010.	London: Pharmaceutical Press	2010	
Ανδρέας Καλιβωκάς	Διεκδικώντας το αύριο σήμερα. Ένα διαφορετικό ταξίδι στην επιχειρηματικότητα	Ales Groupe	2013	