

Course title	Εφαρμοσμένες Κλινικές Υπηρεσίες από το Κοινοτικό Φαρμακείο/Pharmacy-led Services in Applied Clinical Topics				
Course code	PHPR-606G				
Course type	Required				
Level	2 <sup>nd</sup> Cycle				
Year / Semester	1 <sup>st</sup> /Spring				
Teacher's name	Lefteris Zacharia				
ECTS	10	Lectures / week	3	Laboratories / week	
Course purpose and objectives	<p>This module demonstrates the clinical role of the pharmacist in various clinical scenarios. It educates and trains the students to apply the knowledge they've accrued. The module serves as a tool to develop the students' clinical skills.</p> <p>The aims of the module are:</p> <p>To demonstrate the role of the pharmacist in ensuring the safe and effective use of medicines in special patients' groups</p> <p>To study the role of the pharmacist in the overall management of patients with special clinical needs</p>				
Learning outcomes	<p>On successful completion of this module, students will be able to:</p> <p>Appraise the selection of therapy to treatment guidelines, evidence-base, drug properties, and the patient.</p> <p>Develop the ability to provide of appropriate pharmaceutical and clinical pharmacy advice to patients and healthcare professionals.</p> <p>Summarise key considerations in the use of medicines in paediatrics and the elderly.</p> <p>Demonstrate the ability to provide appropriate information on the safe use of medicines in renal and hepatic impairment</p> <p>Explain the role of the pharmacist and pharmacy staff in the management of patients with cancer and HIV</p> <p>Evaluate the role of the pharmacist in palliative care and in the treatment of patients with parenteral nutrition needs.</p> <p>Critically discuss the role of the pharmacist in the management of surgical patients and critical care patients.</p>				
Prerequisites	Yes		Required	PHPR-605G	
Course content	<p>Consideration of such factors as treatment guidelines, evidence-base, indications, drug-drug interactions, contraindications, and adverse effects in selection of treatment for patients with diseases of the nervous system, endocrine system, gastrointestinal system, etc.</p> <p>Patient management issues in the treatment of patients with diseases of the nervous system, endocrine system, gastrointestinal system, infectious diseases. etc.</p> <p>Considerations for pharmacotherapy in neonatal, and paediatric medicine, and in prescribing for the elderly. For example, dose forms, concordance/compliance/adherence, selection of dose, reference sources.</p>				

	<p>Selection of drugs and dose in patients with hepatic and renal impairment; pharmacokinetic considerations, contra-indications and cautions in use; reference sources.</p> <p>The role of the pharmacist in cancer, chemotherapy prescriptions (includes consideration of protocol, guidelines, dose, administration, interactions, dose-reduction strategies), patient counselling, treatment and prevention of adverse effects, monitoring toxicity and response.</p> <p>Benign prostate cancer Breast cancer Other forms of cancer Palliative care Management of HIV patients Considerations in parenteral nutrition, including nutritional assessment, patient monitoring, routes of administration, pharmaceutical issues, literature, and guidelines. Possible complications including hyperglycaemia, catheter block/sepsis, metabolic issues. Management of patients with pre- and post-surgical considerations. Management of patients in the intensive care unit</p>
Teaching methodology	e-Learning, problem solving scenarios, experiential workshops, synchronous sessions (Webex)
Bibliography	<p>Applied Therapeutics: The Clinical Use of Drugs. Koda-Kimble, Young. Lippincott Williams and Wilkins. Current Edition</p> <p>Clinical Pharmacy and Therapeutics, Walker, and Whittlesea. Churchill Livingstone current edition</p> <p>Pathology and Therapeutics for Pharmacists: A Basis for Clinical Practice. Green and Harris. Pharmaceutical Press. Current edition</p>
Assessment	<p>Continuous Assessment</p> <p>Final Exam</p>
Language	English/Greek