

Course unit title:	Pharmacology		
Course unit code:	NUR108		
Type of course unit:	Compulsory		
Level of course unit:	Bachelor (1 st Cycle)		
Year of study:	1		
Semester when the unit is delivered:	2 (Spring)		
Number of ECTS credits allocated :	5		
Name of lecturer(s):	Dr Charalampos Triantis		
Learning outcomes of the course unit:	<ol style="list-style-type: none"> 1. Basic knowledge of the profession and the field of studies. Mechanism of action of drugs in the human organism, administration routes. Drug efficacy and toxicity. 2. Effects, adverse effects, synergy and contra-indication of drugs. 3. Develop skills for group work, for working autonomously in the design and management of programmes for preparing patients for drug therapies and promotion of patient well-being 4. Develop skills for data management, decision making, leadership in managing patients as regards medication 5. Prescribing and dosological regimens 6. Quality standards that must be followed, based on evidence/ empirical data 7. Health and safety regulations, including the transportation and storage of samples 		
Mode of delivery:	Face-to-face		
Prerequisites:	None	Co-requisites:	None
Recommended optional program components:	None		
Course contents:	<p>Introduction to pharmacology: Pharmacological classification of drugs. Principles of drug therapy. Pharmacokinetics and Pharmacodynamics. Routes of administration. The role of nurses in drug administration.</p> <p>Drugs affecting the Autonomic Nervous System: Cholinergic and adrenergic agonists and antagonists</p> <p>Drugs affecting the Central Nervous System: Antiepileptic, anxiolytic and hypnotic, sedatives, antidepressant, antipsychotics, opioids</p> <p>Drugs affecting the Cardiovascular system: Antihypertensives, antiarrhythmics, antianginal. Heart failure. Blood drugs. Hyperlipidemias</p> <p>Drugs affecting the Endocrine system: Hypothalamus, pituitary, thyroid. Hormones and metabolism. Calcitonin and osteoporosis. Insulin and diabetes mellitus and obesity. Steroids drugs. Hormones and reproduction.</p> <p>Drugs affecting Respiratory system: Asthma, Chronic Obstructive Pulmonary Disease. Cough remedies. Antihistamines, decongestion, expectoration, bronchodilators and mycolytic drugs</p> <p>Drugs affecting Gastrointestinal system: Peptic ulcer and gastroesophageal reflux. Proton-pump inhibitor, H₂ inhibitors, antacids, anti-emetics, laxatives, antidiarrhoea.</p>		

	<p>Drugs affecting Urinary system: Benign Hyperplasia Prostate. Erectile Dysfunction</p> <p>Non Steroids Anti-inflammatory drugs: Analgetics. Rheumatoid arthritis. Migraine.</p> <p>Chemotherapy: Antibacterial drugs: Antibiotics, antiseptics and disinfectants. Antifungal and antiviral agents: treatment of HIV disease. Anticancer Drugs. Immunosuppressants</p>
Recommended and/or required reading:	
Textbooks:	1. Ben Greenstein, <i>Trounce's Clinical Pharmacology for Nurses</i>, 18th Edition, Publisher Parisianou, 2015
References:	<ul style="list-style-type: none"> • R. Harvey. <i>Lippincott Pharmacology</i>, 6th edition, Publisher Parisianou, 2015 • Personal notes
Planned learning activities and teaching methods:	The course is delivered to the students by means of lectures, presented in power point. Lecture notes are given to the students
Assessment methods and criteria:	<ul style="list-style-type: none"> ▪ Participation 10% ▪ Test 40% ▪ Final exam 50%
Language of instruction:	Greek
Work placement(s):	No