



UNIVERSITY OF NICOSIA

ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

Course Code PHAR-104	Course Title Introduction to Pharmaceutical Sciences and Professional Practice/ Εισαγωγή στις Φαρμακευτικές Επιστήμες και στην Επαγγελματική Πρακτική	Credits (ECTS) 6
Department Life & Health Sciences	Semester Fall	Prerequisites None
Type of Course Required	Field Pharmacy	Language of Instruction Greek/English
Level of Course 1 st Cycle	Year of Study 1 st year	Lecturer Christos Petrou/Michalis Petrides

Objectives of the Course:

The aims of this module are to enable students to:

- Introduce students to Pharmaceutical Sciences, their evolution and history, the relationships between health, food and drugs and the contents and objectives of each pharmaceutical science, i.e. Pharmacognosy, Pharmaceutical Chemistry, Pharmaceutical Technology, Pharmacology and Toxicology. understand the role of medicines and pharmacy in patient focused health care
- provide an overview of the sciences of pharmacology understand the role of experimental pharmacology in the discovery of new drugs
- appreciate how knowledge of pharmacology contributes to the therapeutic use of medicines
- provide an overview of pharmacy ethics and legislation
- understand the role of medicines and pharmacy in patient focused health care
- Describe to history of Pharmacy

Learning Outcomes:

By the end of this course, students will be able to have a general knowledge on Pharmacy and Pharmaceutical Sciences, their goals and objects so that the lesson to act not only as a general introduction to pharmaceutical sciences.

Students will be able to describe in brief the history of Pharmacy and to get to know the development of Pharmacy through the ages and to learn about the

prospectives of the pharmaceutical sciences.

Students will be able to explain briefly issues such as the organization of studies, professional employment and pharmaceutical disciplines. Medications - diseases - safe use of therapeutic agents. Food - Health - relationship with drugs, similarities, differences. Need for new medicines, drug discovery pathways. Students will also be able to explain role of pharmacist in the preservation of health into the society.

Students will be able to describe and apply the Pharmacy Ethics, the developing methods for drug discovery, the relationship between food and medicine in normal and pathological conditions, prospects of professional and scientific status of pharmacists in an organized and modern society.

Students will also be able to explain the role and the importance of adverse reactions

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Course Contents:

Introduction to ancient Eastern civilizations (Assyrians, Babylonians, Sumerians, Egyptians, Jews, Phoenicians, Medes, Persians, Indians, Chinese, Japanese, Greek) Historical Periods of Pharmaceutical Science in the Mediterranean basin: pre-Hippocratic period

Hippocratic period from the 5th century until the time of Alexander the Great, Hellenistic or Alexandrian-Byzantine Period Medieval Arab-European period Alchemy and Alchemists

University education: The Pharmaceutical education during the 12th, 15th and 17th century. Pharmacy during the 18th century. Important representatives of this era. Scientific Period (from the 19th century until today). Homeopathy and Homeopathic Remedies.

Data on food, nutrition, relationship with health and medicines. Achievements of Pharmaceutical Sciences. Development of new medicines: how, purpose. Future trends in Pharmaceutical sciences.

Pharmacy profession. Pharmaceutical specialties.

Details of Pharmacy Ethics

Pharmacopeias and Pharmacy resources

Professionalism

Description of pharmaceutical formulations and general terminology of pharmacy.

Intro to Pharmacovigilance

Learning Activities and Teaching Methods:

Lectures, class discussion, assignments, Mock up pharmacy

Assessment Methods:

Final Examination, Course work

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
	Rang and Dale's Pharmacology	Μετάφραση στα ελληνικά		

	Σημειώσεις του Καθηγητή			
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Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
S. Anderson	"Making medicines: A brief history of Pharmacy and Pharmaceuticals",			
Katzung Bertram	Βασική και κλινική φαρμακολογία	Πασχαλίδης		