Course Title	**Introduction to Pharmaceutical Sciences**		
Course Code	PHA105		
Course Type	Compulsory		
Level	BSc (Level 1)/ MPharm (Level 2)		
Year / Semester	1st (1st Semester)		
Teacher's Name	Dr Georgios Papagiouvannis		
ECTS	5	Lectures / week	3	Laboratories/week	-

Course Purpose	The aim of this course is to provide an introduction to Pharmaceutical Sciences, the evolution and history of Pharmacy, the relationship between health, food and drugs and the contents and objectives of each pharmaceutical science, i.e. Pharmacognosy, Pharmaceutical Chemistry, Pharmaceutical Technology, Pharmacology and Toxicology. Pharmacy is a science based on basic sciences like Chemistry, Biology and Medicine. Therefore, it is considered essential for the students of Pharmacy to be acquainted to the science of Pharmacy, in addition to basic sciences, by attending this introductory course at the beginning of their studies.

Learning Outcomes	By the end of this course, the students should be able to: • Identify the science they chose to study: Pharmacy • List the aims of Pharmacy Science and the means through which they are executed • Analyse how the Science of Pharmacy is linked to other sciences • State the history and evolution of drugs and Pharmacy • Explain the objective of pharmaceutical specialties: eg Pharmacognosy, Pharmaceutical Technology, Pharmaceutical Chemistry, Pharmacology etc. • Distinguish the methods in drug discovery • Describe the methods of drug discovery such as the isolation of drugs from nature, random discovery of drugs or drug discovery through tests and observation. • Analyse the prospects of the professional and scientific placement of pharmacists in organised societies.

Prerequisites	None	Corequisites	None

Course Content	• Acquaintance with Pharmaceutical Sciences. • Introduction to the pharmaceutical subjects and objectives. • Historical evolution of Pharmacy. • Drugs and Therapeutics. • Potentialities, achievements and prospects of Pharmaceutical Sciences. • Natural products and drug design. • Objectives and content of each Pharmaceutical Science. • The role of a pharmacist in today's society.

Teaching Methodology	The teaching methodology includes lectures offering the theoretical background for a better perception of some concepts of Pharmaceutical Sciences. Methods such as discussion, questions/answers, pros/cons, debates, role playing and case studies are used to enhance student's participation. Detailed notes with PowerPoint are used in the lesson.
Bibliography	(a) Textbooks: • The Drug Book: From Arsenic to Xanax, 250 Milestones in the History of Drugs. M. Gerald. Greek Publisher Parisianos, 2018 • History of Pharmacy, Eleni Skaltsa, Kallipos Publications, 2015 • Η συναρπαστική πορεία της ζωής και των φαρμάκων. Π.Ν. Κουρουνάκης, Ε.Α. Ρέκκα, Εκδόσεις Κυριακίδη, Θεσσαλονίκη 2014. • The Drug Book: From Arsenic to Xanax, 250 Milestones in the History of Drugs. M. Gerald. Sterling 2013 (b) References: • A brief history of drugs. From the stone age to the stoned age. A. Escohotado, Park Street Press, Rochester VE, USA.(1999)
Assessment	All written exams conclude open questions and multiple choice questions Coursework 50% (Two Midterm written exams 25% each) Final written exam 50% The evaluation of the course is performed by (a) two written mid-term exams during the semester, which examines specific modules of the course and it accounts for 50% of the overall grade, and (b) a written final exam, which examines all modules of the course, and it accounts for 50% of the overall grade. Students are prepared for the above written exams by discussion, questions/answers, pros/cons, debates, role playing and case studies, related to the field of pharmacy, in the class. The final assessment of the students is formative and summative and is assured to comply with the subject's expected learning outcomes and the quality of the course.
Language	Greek, English