

Study Programme: Pharmaceutical Engineering			
Course Unit Title: Pharmacology			
Course Unit Code: FO402			
Name of Lecturer(s): Assoc. Prof. Senka S. Vidovic, PhD			
Type and Level of Studies: Undergraduate Academic Studies			
Course Status (compulsory/elective): Compulsory			
Semester (winter/summer): Winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: None			
Course Aims: Acquiring basic scientific and academic abilities and skills in the field of pharmacology.			
Learning Outcomes: Understanding the basics of pharmacology and drug use.			
Syllabus: <i>Theory</i> General pharmacology. Definition of drug. Theory of the receptors. Pharmacokinetics. Adsorption, distribution, metabolism and elimination of drugs. Central nervous system. Drugs used in treatment of diseases of the cardiovascular system. Medicines used in the treatment of diseases of the gastrointestinal tract. Drugs used in the treatment of infections and malign diseases. Drugs used in treatment of diseases of the reproductive system. Drugs used in the treatment of diseases of the respiratory system. Development of the drug. <i>Practice -</i>			
Required Reading: 1. H. Rang, M. M. Dale, J. M. Ritter, P. K. Moore, Farmakologija, peto izdanje, Data Status, 2005 2. J. L. Stringer, Osnovni concept u Farmakologiji, Data Status, 2008			
Weekly Contact Hours:	Lectures: 3	Practical work: -	
Teaching Methods: Lectures and students group work			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	written exam	
Practical work	-	oral exam	40
Preliminary exam(s)	40	
Seminar(s)	15		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			