

Study program: Integrated academic studies of Pharmacy			
Type and level of the study program: integrated academic studies			
Course title: DRUG MANAGEMENT(PhV-DMNGM)			
Teacher: Nataša P. Milošević, Vesna B. Tepavčević, Božana S. Nikolić			
Course status: elective			
ECTS Credits: 3			
Condition: -			
Course aim The aim of the theoretical and practical course is to introduce students with the rules and processes related to the drug management cycle, including selection, procurement, distribution and usage of drugs.			
Expected outcome of the course: During the course students acquire the knowledge of drug selection managing, good pharmaceutical procurement, good storage and distribution practice for drug products and good supply practice for pharmaceutical products. After completing the course, students are familiar with the skills of analyzing, organizing and carrying out work in the area of drug supplyment.			
Course description <i>Theoretical education</i> <ul style="list-style-type: none"> - Legal aspects of drug management regulative; pharmaceutical legislation and regulation; - Drug management cycle; - Drug selection (drug selection managing, criteria used in drug selection, essential drug list concept, National essential lists); - Procurement principles for medicines and medical devices (MD); public procurement methods (managing the procurement of medicines and MD, quantification of medicines and MD, managing the tender procedure and the tender documentation, quality assurance in procurement of medicines and MD); - Distribution of drugs (distribution management, transportation and storage); - Analysis of drug usage; principles and criteria for rational drug usage. <i>Practical education: exercises, other forms of education, research related activities</i> <ul style="list-style-type: none"> - Examples related to the selection and quantification of medicines and MD; - Examples and analysis of individual processes within the cycle of drug supply; - Examples of work organization in companies engaged in the supply of drugs; - Examples of procedures for the withdrawal from the market. 			
Literature <i>Compulsory</i> 1. Jonathan D. Quick, Management Sciences for Health. Action Programme on Essential Drugs and Vaccines (WHO). Managing Drug Supply. Kumarian Press, 1997. <i>Additional</i> 2. How to develop and implement a national drug policy. 2 nd Ed. WHO, Geneva, 1988.			
Number of active classes			Other:
Lectures: 30	Practice: 15	Other types of teaching: Research related activities:	
Teaching methods The theoretical course content is exposed by "ex cathedra" method, including examples that illustrate the content. The exercises are performed by "case study" method, i.e. by the analysis of the specific cases. Essay is compulsory for all students and includes the preparation and the public presentation of work, within the given topics.			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	10	Written	60
Practices	10	Oral	
Colloquium		
Essay	20		