

Study program: Integrated Academic Studies in Pharmacy			
Course title: Management in Pharmaceutical Healthcare			
Teacher: Vesna B. Tepavčević, Božana S. Nikolić			
Course status: Elective			
ECTS Credits: 3			
Condition: /			
Course aim Gaining theoretical and practical knowledge of the regulations and processes associated with the drug management cycle, including the selection, procurement, distribution and rational (efficient, safe and economical) usage of drugs. Students are also introduced to support systems of drug management, such as planning and administration, organization and financing, information management and human resource management.			
Expected outcome of the course: Students learn about managing drug selection, good pharmaceutical procurement, <i>good</i> storage and distribution practices of pharmaceutical products, good supply practice of pharmaceutical products and about appropriate support systems. After completing the course, students are introduced to the skills of analyzing, organizing and performing tasks in the field of drug supply.			
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 (efficient, safe and economical) drug usage. – Support systems: planning and administration, organization and financing, information management and human resource management. 			
<i>Practical education</i>			
<ul style="list-style-type: none"> – Examples related to the selection and quantification of drugs and MD; – Examples and analysis of individual processes in the drug supply system; – Examples of work organization in companies involved in drug supply; – Examples of market withdrawal procedures. 			
Literature			
<i>Compulsory</i>			
1. Embrey M, editor. Managing Access to Medicines and Health Technologies. Arlington, VA: Management Sciences for Health; 2012. (seleted chapters)			
<i>Additional</i>			
2. Legislative acts in the field of pharmaceutical healthcare			
Number of active classes		Theoretical classes: 30	Practical classes: 15
Teaching methods			
The theoretical content is presented by "ex cathedra" method, including examples that illustrate the content. The exercises are performed by "case study" method, i.e. by the analysis of specific cases. The 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		

