

Study program: Integrated academic studies in pharmacy			
Type and level of the study program: integrated academic studies			
Course title: Pharmacoepidemiology and pharmacoconomics (PhV-PHECN)			
Teacher: Momir M. Mikov, Ana J. Sabo, Zdenko S. Tomić, Aleksandar L. Rašković, Olga J. Horvat, Saša N. Vukmirović, Boris T. Milijašević, Vesna M. Mijatović, Nebojša P. Stilinović			
Course status: compulsory			
ECTS Credits: 1			
Condition: -			
Course aim To introduce students to the basic principles and importance of pharmacoepidemiology and pharmacoconomics in drug policy and the creation of an economically sustainable health care system.			
Expected outcome of the course: Student should adopt primary principles of pharmacoepidemiological testing and analysis. The student needs to know to do pharmacoepidemiological analysis for a specific geographical area or a health facility. The student should learn how and when they work some pharmacoconomic analysis and be able to evaluate them.			
Course description <i>Theoretical education:</i> Information systems for monitoring at national level. Principles of pharmacoepidemiological drug monitoring. Important possibilities for analysis of pharmacoepidemiological calculation. Concept of ATC / DDD classification. Post marketing monitoring. Basic principles of pharmacoconomy. Principles of pharmacoconomic analysis – costs calculation - minimalization , cost-effectiveness analysis , and analysis of costs and benefits. Modeling in pharmacoconomics. QUALY- importance, principles, calculation. Pharmacoconomic principles between creating leaf lightly . Economic principles of new health technologies. Methods for rationalization. <i>Practical education: exercises, other forms of education, research related activities</i> -			
Literature <i>Compulsory</i> 1. Vogenberg FR. Introduction to Applied Pharmacoconomics. Mc. Grow-Hill com. New Yourk, 2001. 2. Bergek ML, Bingerfors K, Hedblow EC, Pashos CL, Torrence GW (eds.). Health Care Cost, Quality and outcomes. ISPOR, USA2003 <i>Additional</i> -			
Number of active classes			Other:
Lectures: 30	Practice:	Other types of teaching: Research related activities:	
Teaching methods Theoretical			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	5	Written*	40
Practices	5	Oral	50
Colloquium*	2x20	
*if the students does not pass both colloquiums, he/she should take the exam in written form			