

<b>Study program:</b> Integrated academic studies in pharmacy			
<b>Type and level of the study program:</b> integrated academic studies			
<b>Course title: Pharmacoepidemiology and pharmacoconomics (PhV-PHECN)</b>			
<b>Teacher:</b> Zdenko S. Tomić, Aleksandar L. Rašković, Olga J. Horvat, Saša N. Vukmirović, Boris T. Milijašević, Vesna M. Mijatović, Nebojša P. Stilinović			
<b>Course status:</b> compulsory			
<b>ECTS Credits:</b> 1			
<b>Condition:</b> -			
<b>Course aim</b> 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.			
<b>Expected outcome of the course:</b> 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.			
<b>Course description</b> <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> -			
<b>Literature</b> <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> -			
<b>Number of active classes</b>			Other:
Lectures: 30	Practice:	Other types of teaching:	
Research related activities:			
<b>Teaching methods</b> Theoretical			
<b>Student activity assessment (maximally 100 points)</b>			
<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
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			