



<b>Study program:</b> Integrated Academic Studies in Pharmacy			
<b>Course title:</b> Pharmacoeconomics and Pharmacoepidemiology			
<b>Teacher:</b> Olga J. Horvat, Boris Ž. Milijašević, Zdenko Tomić			
<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 pharmacoeconomics 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 pharmacoeconomics analysis. The student needs to know how obtained data to apply into practice in order to improve pharmacotherapeutic practice and evaluate new technologies. 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 pharmacoeconomic 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 with special review to pharmacoeconomic evaluations. Concept of ATC / DDD classification. Post marketing monitoring. Basic principles of pharmacoeconomy. Principles of pharmacoeconomic analysis – costs calculation - minimalization, cost-effectiveness analysis and analysis of costs and benefits. Modeling in pharmacoeconomics. QUALY-importance, principles, calculation. Pharmacoeconomic principles between creating list of medicines. Economic principles of new health technologies. Methods for rationalization.			
<b>Literature</b> <i>Compulsory</i> 1. Vogenberg F.R. Introduction to Applied Pharmacoeconomics. New York: Mc. Grow-Hill; 2001. 2. Berger ML, Bingefors K, Hedblom EC, Pashos CL, Torrance GW. Health Care Cost, Quality, and Outcomes. Lawrenceville NJ: ISPOR Book of Terms; 2003. <i>Additional</i> 1. Royal Pharmaceutical Society of Great Britain. British National Formulary 78. Royal Pharmaceutical Society, 2019.			
<b>Number of active classes</b>	<b>Theoretical classes:</b> 30	<b>Practical classes:</b> -	
<b>Teaching methods</b> Theoretical			
<b>Student activity assessment</b> (maximally 100 points)			
<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures	20	Written	40
Practices	-	Oral	
Colloquium	40	.....	