



<b>Study program:</b> Integrated Academic Studies in Medicine			
<b>Course title:</b> Pharmacology and Toxicology 2			
<b>Teacher:</b> Aleksandar L. Rašković, Zdenko S. Tomić, Velibor M. Vasović, Isidora N. Samojlik, Olga J. Horvat, Saša N. Vukmirović, Boris Ž. Milijašević, Vesna M. Mijatović Jovin, Nebojša P. Stilinović			
<b>Course status:</b> compulsory			
<b>ECTS Credits:</b> 4			
<b>Condition:</b> Pharmacology and Toxicology 1			
<b>Course aim</b> Medical students are acquainted with basic biologic mechanisms of drugs and their effects on organ systems			
<b>Expected outcome of the course</b> Student should know why, how and when to apply particular drugs, general information on drugs, metabolism in the body, site and mechanism of action, interactions and side effects of drugs. Student must be able to describe the effects, therapeutic indications and application of drugs used in the treatment of microbial diseases. Practical classes deal with practical pharmacotherapeutical problems. Student should know to: properly fill a prescription (magistral drugs, officinal drugs, ready-made drugs) and to explain it; use the drug registry; fill the registration form /report on adverse effects of drugs.			
<b>Course description</b> <i>Theoretical education:</i> Drugs in the treatment of endocrine system disorders and diseases. Transmitters and receptors in the nervous system. Total and local anaesthesia. Strong analgesics. Nonsteroidal antiinflammatory drugs. Treatment of epilepsy. Treatment of degenerative diseases of CNS (Alzheimer's and Parkinson's disease). Sedatives and hypnotics. Anxiolytics. Neuroleptics. Antidepressants and therapy of mania. <i>Practical education:</i> Drug prescription according to pharmacotherapeutic classes, interactive lectures and seminar papers.			
<b>Literature</b> <i>Compulsory</i> 1. Brenner GM, Stevens C. Pharmacology (5 <sup>th</sup> edition). Elsevier, 2017. 2. Rang HP, Dale MM, Ritter JM, Moore PK. Pharmacology (9 <sup>th</sup> edition). Elsevier, 2019; 3. Brown MJ, Sharma P, Bennet PN, Mir FA: Clinical Pharmacology (12 <sup>th</sup> edition). London: Churchill Livingstone, 2018.			
<b>Number of active classes</b>		<b>Theoretical classes:</b> 45	<b>Practical classes:</b> 30
<b>Teaching methods</b> Theoretical and practice			
<b>Student activity assessment</b> (maximally 100 points)			
<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures	5	Written*	(60)
Practices	5	Oral	30
Colloquium*	2x30	Other	
*if the students does not pass both colloquiums, he/she should take the exam in written form			