



Study program: Integrated Academic Studies in Medicine			
Course title: Pharmacology and Toxicology 2			
Teacher: 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, Maja P. Đanić, Ana D. Tomas Petrović			
Course status: compulsory			
ECTS Credits: 4			
Condition: Pharmacology and Toxicology 1			
Course aim Medical students are acquainted with basic biologic mechanisms of drugs and their effects on organ systems			
Expected outcome of the course 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.			
Course description <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.			
Literature <i>Compulsory</i> 1. Brenner GM, Stevens C. Pharmacology, 6 th edition. Elsevier, 2022. 2. BNF. British Medical Association and Royal Pharmaceutical Society of Great Britain (any edition newer than 2015) <i>Additional</i> 1. Ritter J, Flower R, Henderson G, Loke Y.K, MacEwan D, Rang H. Rang and Dale's Pharmacology. 9th Edition, Elsevier; 2019.			
Number of active classes		Theoretical classes: 45	Practical classes: 30
Teaching methods Theoretical and practice			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	5	Written*	50
Practices	5	Oral	40
Colloquium*	2x25	Other	
*if the student does not pass both colloquiums, he/she should take the exam in written form			