

<b>Study program:</b> Integrated academic studies in pharmacy			
<b>Type and level of the study program:</b> integrated academic studies			
<b>Course title:</b> Special pharmacology I (PhIV-SPHARI)			
<b>Teacher:</b> Velibor M. Vasović, Zdenko S. Tomić, Aleksandar L. Rašković, Isidora N. Samojlik, Olga J. Horvat, Saša N. Vukmirović, Boris T. Milijašević, Vesna M. Mijatović, Nebojša P. Stilinović			
<b>Course status:</b> compulsory			
<b>ECTS Credits:</b> 6			
<b>Condition:</b> Pathophysiology; General Pharmacology			
<b>Course aim</b> To give students basic knowledge about the drug as a substance, its movement through the body, the ways, mechanisms and site of action, types of side effects, interactions and poisonings. In the second part of the course, the aim is to introduce students with all drug groups, representatives, indications and contraindications.			
<b>Expected outcome of the course</b> At the end of the teaching process, students should know why, how and when to apply the drugs that act through the vegetative and central nervous system, their characteristics, movement through the body, place and mechanism of action and danger of its application. Student: Must be able to read the recipe and explain it; Must be able to use the registries of drugs; Must be able to fill out the form for reporting the adverse effects of drugs.			
<b>Course description</b> <i>Theoretical education:</i> Transmitters and receptors in the nervous system. Vegetative nerve system. Drugs that act through receptors in the VNS. Histamine and antihistamines. Effects of drugs on the eye. General and local anesthesia. Strong analgesics. Non-steroidal anti-inflammatory drugs. Treatment of epilepsy. Treatment of degenerative diseases of CNS (Alzheimer's and Parkinson's disease). Alcohol. Barbiturates and hypnotics. Anxiolytics. Neuroleptics. Antidepressants. Treatment of diabetes. Drugs in the treatment of disorders and diseases of the endocrine system. Treatment of osteoporosis.  <i>Practical education: exercises, other forms of education, research related activities:</i> Overview of registered drugs. Filling out the application form for adverse effects of drugs. Investigation of effects of drugs in experimental animals.			
<b>Literature</b> <i>Compulsory</i> 1. Rang HP, Dale MM, Ritter JM, Moore PK. Pharmacology. Churchill Livingstone, Edinburgh, New York, 2003. 2. Brenner GM, Stevens C. Pharmacology, 4 <sup>th</sup> edition. Elsevier, 2012 <i>Additional</i> -			
<b>Number of active classes</b>			Other:
Lectures: 60	Practice: 30	Other types of teaching: Research related activities:	
<b>Teaching methods</b> Theoretical and practical			
<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*	90
Practices	5	Oral	
Colloquium*	2x45	.....	

\*If the student does not pass both colloquiums, he/she should take the exam in written form