


University of Niš Faculty of Medicine	Study program: INTEGRATED ACADEMIC STUDIES OF MEDICINE <i>ACCREDITATION 2018</i>	
Course: Pharmacology with toxicology		
Course head: prof. dr Milan Stoiljkovic		
Course status:	Required	
Semester: V, VI	Study year: III	
ECTS: 11	Course code: M-III-18	
Course purpose:		
Attending the course, students should learn basic notions about medicaments, their properties, mechanisms of action, interactions and adverse effects, as well as the principles of rational pharmacotherapy.		
Course outcome: (knowledge, skills, attitudes)		
The knowledge of pharmacology will help future doctors of medicine to prescribe/administer drugs in a proper way, abiding by the principles of rational drug therapy.		
Nr. of classes of active teaching: 135		
Lectures: 75	Practice: 60	
Course content		
<p><i>Theory</i> Origin, administration, dosing of drugs. Resorption, distribution, metabolism and elimination, mechanisms of action, adverse effects and interactions of drugs. Overview of basic groups of drugs and their clinical use. Basics of toxicology.</p> <p><i>Practice</i> Current definition, origin, division and pharmaceutical forms of drugs. Prescription of drugs in clinical practice. General principles of interaction between the drug and an organism. Experimental models of investigation of action of individual drugs. Pharmacology of most important groups of drugs and pharmacotherapy of most common conditions and diseases in general practice.</p>		
Recommended literature:		
<ol style="list-style-type: none"> 1. Varagić V, Milošević M. Farmakologija. 23. izdanje, Beograd, 2009. 2. Janković S. Farmakologija i toksikologija. Prvo izdanje, Kragujevac, 2011. 3. Rang HP, Dale MM, Ritter JM, Moore PK. Farmakologija. Prvo srpsko izdanje, Beograd, 2005. 4. Pešić G, Jović Z. Opšta farmakologija. Prvo izdanje, Niš, 2001. 5. Stoiljković M, Nikolić V, Stokanović D, Milovanović M. Praktikum iz farmakologije. Prvo izdanje, Niš, 2012. 		
Teaching methods:		
<ul style="list-style-type: none"> ▪ Interactive theoretical and practical teaching sa prikazima slučajeva i mogućim terapijskim rešenjima ▪ Consultations ▪ Seminar papers in small groups 		
Required previously passed exams:		
<ul style="list-style-type: none"> ▪ Physiology ▪ Biochemistry 		
Grade (max. 100 points)		
Pre-exam obligations		
Activity during classes: <ul style="list-style-type: none"> ▪ Regular attendance at lecture classes: 0 – 6 points ▪ Activity at practice classes: 0 – 6 points ▪ Seminar papers: 0 – 8 points ▪ Test – drug prescription: 0 – 10 points 		
Final exam		
<ul style="list-style-type: none"> ▪ Written part: 0 – 30 points ▪ Oral exam: 0 – 40 points 		