

<b>University:</b> Comenius University in Bratislava	
<b>Faculty:</b> Faculty of Pharmacy	
<b>Course Code:</b> KFT/08-Mgr-A/20	<b>Course Name:</b> Pharmacology 1
<b>Type, Extent and Method of Educational Activities:</b> lectures 2h/week, seminars 3h/week	
<b>Number of Credits:</b> 6	
<b>Recommended Study Semester/Trimester:</b> 4 <sup>th</sup> semester	
<b>Study Level:</b> 2 (master )	
<b>Prerequisite Courses:</b> none	
<b>Conditions for Course Completion:</b> to pass all scheduled tests, each minimally 60% rate, personal attendance at all practicals, satisfactory presentation of all assignment reports	
<b>Results of Education:</b> : Pharmacology is a profile subject of pharmaceutical study which is linked with both pharmacy and medicine. The subject is part of five leading subjects included into a complex state exam finishing the study at Faculty of Pharmacy.	
<b>Course Description:</b> Introduction to the study, general principles how drugs act. Drug toxicity. Pharmacodynamics and pharmacokinetics as basic parts of pharmacology. Receptor theory. Agonism, antagonism, receptor proteins, cellular mechanism of intercellular signal transduction. Desensitization and tachyphylaxis. Drug interactions. Adverse reactions to drugs. Basic pharmacokinetic processes and parameters. Autonomic nervous system. Adrenergic and cholinergic transmission. Neuromuscular blocking drugs, skeletal muscle relaxants. Peripheral autacoids .	
<b>Recommended Literature:</b> Ritter J., Flower R. et al.: <i>Rang and Dale's Pharmacology</i> , 9 <sup>th</sup> ed. London, Elsevier, 2019 Lüllmann, H., Mohr, K., Wehling, M.: <i>Pharmacology and Toxicology</i> . Thieme, 2004 Katzung, B. G.: <i>Basic and Clinical pharmacology</i> . 14e McGraw-Hill, 2018	
<b>Language Requirements:</b> English	
<b>Notes:</b>	
<b>Course Evaluation:</b> total number of students since the course introduction: 360 A – 7 %, B – 19 %, C – 49 %, D – 23 %, E – 1 %, Fx – 0 %	
<b>Teachers:</b> doc.Křenek, doc.Máťuš, prof.Klimas, prof. Kuželová, prof.Duriš-Adameová, dr.Ondriašová, doc.Paul-Hrabovská, dr. Killiánová, dr. Vavrínek, dr. Vavřincová, dr. Dóka	
<b>Date of Last Update:</b> May, 2021	
<b>Approved by:</b> doc. PharmDr. Marek Máťuš, PhD.	