

<b>University:</b> Comenius University in Bratislava	
<b>Faculty:</b> Faculty of Pharmacy	
<b>Course Code:</b> KFT/09-Mgr-A/20	<b>Course Name:</b> Pharmacology 2
<b>Type, Extent and Method of Educational Activities:</b> lectures 4h/week, seminars 2h/week	
<b>Number of Credits:</b> 7	
<b>Recommended Study Semester/Trimester:</b> 5 <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.	
<p><b>Course Description:</b> <i>Specific part</i> of pharmacology deals with drugs affecting major organ systems and with their effects on subcellular and cellular structures and/or tissues, including adverse and toxic effects of drugs.</p> <p>Pharmacology of pain – General and Local anesthetics, analgesic drugs. Anti-inflammatory drugs. Drugs influencing CNS – neurotransmitters, classification. Drugs of neurodegenerative diseases. Antiparkinsonics. Antiepileptics. Anxiolytic and Hypnotic drugs. Antipsychotics. Antidepressants. CNS stimulants and psychotomimetic drugs.</p> <p>Cardiovascular system – therapy of heart failure. Antianginal drugs. Lipid lowering drugs. Antihypertensives. Antidysrhythmics. Vasoactive drugs. Anticoagulant and Antiplatelet drugs. Pharmacology of respiratory system (antiasthmatics, drugs against cough).</p> <p>Drugs influencing gastrointestinal system.</p> <p>Pharmacology of endocrine and reproductive system.</p> <p>Antibacterial, antiviral antifungal and antiprotozoal drugs.</p> <p>Cancer therapy. Biopharmaceuticals.</p>	
<p><b>Recommended Literature:</b></p> <p>Ritter J., Flower R. et al.: Rang and Dale's Pharmacology, 9th ed. London, Elsevier, 2019</p> <p>Lüllmann, H., Mohr, K., Wehling, M.: Pharmacology and Toxicology. Thieme, 2004</p> <p>Katzung, B. G.: Basic and Clinical pharmacology. 14e McGraw-Hill, 2018</p>	
<b>Language Requirements:</b> English	
<b>Notes:</b>	
<p><b>Course Evaluation:</b></p> <p>total number of students since the course introduction: 360</p> <p>A – 15 %, B – 20 %, C – 22 %, D – 20 %, E – 14 %, Fx – 9 %</p>	
<p><b>Teachers:</b></p> <p>doc.Křenek, doc.Máťuš, prof.Klimas, prof. Kuželová, prof.Duriš-Adameová, dr.Ondriašová, doc.Paul-Hrabovská, dr. Killiánová, dr. Vavrinec, dr. Vavrinová</p>	
<b>Date of Last Update:</b> May, 2021	
<b>Approved by:</b> doc. PharmDr. Marek Máťuš, PhD.	