

University: Comenius University in Bratislava	
Faculty: Faculty of Pharmacy	
Course Code: KFT/09-Mgr-A/00	Course Name: Pharmacology and Toxicology 2
Type, Extent and Method of Educational Activities: lectures 4h/week, seminars 3h/week	
Number of Credits: 6	
Recommended Study Semester/Trimester: 7 th semester	
Study Level: 2 (Master)	
Prerequisite Courses: none	
Conditions for Course Completion: to pass all scheduled tests, each minimally 60% rate, personal attendance at all seminars, satisfactory presentation of all assignment reports	
Results of Education: : Pharmacology and toxicology 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>Course Description: <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.</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>	
Recommended Literature:	
Ritter J., Flower R. et al.: Rang and Dale´s Pharmacology, 9th ed. London, Elsevier, 2019	
Lüllmann, H., Mohr, K., Wehling, M.: Pharmacology and Toxicology. Thieme, 2004	
Katzung, B. G.: Basic and Clinical pharmacology. 14e McGraw-Hill, 2018	
Language Requirements:	
English	
Notes:	
Course Evaluation:	
total number of students since the course introduction: 360	
A – 15 %, B – 20 %, C – 22 %, D – 20 %, E – 14 %, Fx – 9 %	
Teachers:	
doc.Křenek, doc.Máťuš, prof.Klimas, prof. Kuželová, prof.Duriš-Adameová, dr.Ondriašová, doc.Paul-Hrabovská, dr. Killiánová, dr. Vavrínek, dr. Vavřincová, dr. Dóka	
Date of Last Update:	
May 2021	
Approved by: dor. PharmDr. Marek Máťuš, PhD.	