

## COURSE DESCRIPTION

<b>Academic year:</b> 2022/2023	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Pharmacy	
<b>Course ID:</b> FaF.KFT/09-Mgr/22	<b>Course title:</b> Pharmacology (2)
<b>Educational activities:</b> <b>Type of activities:</b> lecture / laboratory practicals <b>Number of hours:</b> <b>per week:</b> 4 / 2 <b>per level/semester:</b> 56 / 28 <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 7	
<b>Recommended semester:</b> 5.	
<b>Educational level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> During the semester, students pass 2 midterm tests; to pass the test at least 60% of maximum score is required. Successful completion of the semester is followed by a comprehensive oral exam. The student must demonstrate mastery of at least 60% of the required knowledge. The exam result is graded: A (at least 92%), B (at least 83%), C (at least 76%), D (at least 68%), E (at least 60%) and Fx (less than 60% of the maximum number points). Scale of assessment (preliminary/final): 20/80	
<b>Learning outcomes:</b> The knowledge gained by successfully completing the course is the basis for understanding other scientific disciplines in the pharmaceutical study.	
<b>Class syllabus:</b> Pharmacology of pain - general and local anesthetics, analgesics, antipyretics, opioid analgesics. CNS pharmacology - neuromediators, classification. Drugs in neurodegenerative diseases. Antiparkinson drugs. Antiepileptics. Hypnotics and sedatives, psychostimulants. Anxiolytics. Antipsychotics. Antidepressants. Pharmacology of the uropoietic system (diuretics, drugs affecting electrolyte metabolism). Pharmacology of the respiratory system (expectorants, antitussives, antiasthmatics). Pharmacology of CVS - therapy of heart failure. Antianginal drugs. Antihyperlipidemics. Antihypertensives. Antidysrhythmics. Pharmacology of blood (anticoagulants, antiplatelet agents, thrombolytics). GIT pharmacology. Pharmacology of the endocrine system. Pharmacology of antibacterial drugs and chemotherapeutics. Therapy of oncological diseases, immunomodulatory substances. Biological drugs.	
<b>Recommended literature:</b> Kuželová M., Ondriašová E.: Farmakológia kardiovaskulárneho systému pre farmaceutov. Vydavateľstvo UK Bratislava, 2014 Kuželová M., Kováčsová B., Švec P.: Farmakológia antiinfekčných liečiv. Osveta, 2010 Rang, H.P., Dale, M.M. a kol.: Rang and Dale's Pharmacology, 9th ed. London, 2019, ISBN 9780702074486	

Švihovec J., Bultas J., Anzenbacher P. a kol.: Farmakologie, Grada, Praha 2018  
Martinková J. a kol. Farmakologie pro studenty zdravotnických oborů, Grada, Praha 2018  
Heinz Lulmann, Klaus Moh, Lutz Hein: : Barevný atlas farmakologie, Preklad 5. anglického vydania, Grada, 2020  
Mirossay L, Mojžiš J. a kolektív: Základná farmakológia a farmakoterapia, Equilibria s.r.o., Košice 2021

**Languages necessary to complete the course:**

**Notes:**

**Past grade distribution**

Total number of evaluated students: 151

A	ABS	B	C	D	E	FX
19,87	0,0	42,38	25,17	7,95	3,97	0,66

**Lecturers:** doc. RNDr. Ingrid Tumová, CSc., Mgr. Diana Vavrinová, PhD., Mgr. Peter Vavrinec, PhD., PharmDr. Zuzana Kiliánová, PhD., doc. PharmDr. Marek Máťuš, PhD., PharmDr. Gabriel Dóka, PhD., doc. PharmDr. Peter Křenek, PhD., prof. PharmDr. Ján Klimas, PhD., MPH, doc. PharmDr. Anna Paul Hrabovská, PhD., Mgr. Lenka Bies Piváčková, PhD., PharmDr. Tomáš Rajtík, PhD., prof. PharmDr. Adriana Duriš Adameová, PhD.

**Last change:** 29.03.2022

**Approved by:** doc. RNDr. Ingrid Tumová, CSc., prof. PharmDr. Ján Klimas, PhD., MPH