

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Pharmacy	
Course ID: FaF.KFT/09-Mgr/25	Course title: Pharmacology (2)
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 4 / 2 per level/semester: 56 / 28 Form of the course: on-site learning	
Number of credits: 7	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% attendance at seminars and lectures and sufficient demonstrated preparation for seminars are mandatory. During the semester, students take 2 continuous assessment tests within the seminars. To be recognized for these tests, it is necessary to obtain at least 60% of the maximum number of points for each of them. After successfully completing the semester, a combined written and oral exam follows. The student must demonstrate mastery of at least 60% of the required knowledge in both the written and oral parts. A maximum of 10% of the average of the continuous tests can be added to the assessment of the written part. The final assessment of the subject is the weighted average of the assessment of all parts with the following weighting: 10% continuous tests, 50% written exam, 40% oral exam. The result is graded on a scale: 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 of points). Scale of assessment (preliminary/final): 10/90	
Learning outcomes: The knowledge gained by successfully completing the course is the basis for understanding other scientific disciplines in the pharmaceutical study.	
Class syllabus: 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.	

Recommended literature:

Kuželová M., Ondriašová E.: Farmakológia kardiovaskulárneho systému pre farmaceutov. Vydavateľstvo UK Bratislava, 2014

Kuželová M., Kováčsová B., Švec P.: Farmakológia antiinfekčných liečiv. Osveta, 2010

Ritter JM, Flower R, Henderson G, a kol.: Rang & Dale's Pharmacology, 10th Edition, Elsevier 2024, ISBN: 978-0-323-87395-6

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., doc. Mgr. Diana Vavrincová, PhD., doc. Mgr. Peter Vavrinec, PhD., PharmDr. Zuzana Kiliánová, PhD., doc. PharmDr. Marek Mátuš, PhD., PharmDr. Gabriel Dóka, PhD., doc. PharmDr. Peter Křenek, PhD., prof. PharmDr. Ján Klimas, PhD., MPH, doc. PharmDr. Anna Paul Hrabovská, PhD., doc. PharmDr. Tomáš Rajtík, PhD., prof. PharmDr. Adriana Duriš Adameová, DrSc., PharmDr. Peter Galis, PhD., PharmDr. Izabela Jarabicová, PhD., PharmDr. Kristína Szmicseková, PhD.

Last change: 31.03.2025

Approved by: doc. PharmDr. Peter Křenek, PhD.