

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Pharmacy	
Course ID: FaF.KFT/08-Mgr/22	Course title: Pharmacology (1)
Educational activities: Type of activities: lecture / laboratory practicals Number of hours: per week: 2 / 3 per level/semester: 28 / 42 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 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 exam test. 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	
Learning outcomes: The knowledge gained by successfully completing the course is the basis for understanding other scientific disciplines in the pharmaceutical study.	
Class syllabus: Introduction to the study of pharmacology - basic terminology and subdisciplines. Pharmacodynamics of drugs - mechanisms of drug effects, non-specific and specific effect. Receptors, their function, structure and classification. Intercellular signal transduction, G-regulatory proteins in receptor systems. The effects of drugs on the whole organism. Drugs of the autonomic nervous system, sympathotropic and parasympathotropic drugs. Local hormones and modulators, drugs affecting their production and pharmacological regulation. Pharmacology of neuromuscular tonus and its regulation.	
Recommended literature: Švihovec J., Bultas J., Anzenbacher P. a kol.: Farmakologie, Grada, Praha 2018 Martinková J. a kol. Farmakologie pro studenty zdravotnických oborů, Grada, Praha 2018 Mátuš, M., Křenek P., Ondriašová, E.: Farmakológia: Študijné otázky 1. časť. - 1. vyd. - Bratislava : Univerzita Komenského v Bratislave, 2019. [online], ISBN 978-80-223-4777-8 Rang, H.P., Dale, M.M. a kol.: Rang and Dale's Pharmacology, Churchill Livingstone, Elsevier, 9th ed. London, 2019, ISBN 9780702074486	

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: 321

A	ABS	B	C	D	E	FX
33,96	0,0	37,38	13,08	9,03	4,67	1,87

Lecturers: doc. RNDr. Ingrid Tumová, CSc., doc. PharmDr. Peter Křenek, PhD., Mgr. Diana Vavrincová, PhD., Mgr. Peter Vavrinec, PhD., PharmDr. Zuzana Kiliánová, PhD., doc. PharmDr. Marek Máťuš, PhD., PharmDr. Gabriel Dóka, PhD., 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