

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Pharmacy	
Course ID: FaF.KFB/04-Mgr-A/26	Course title: Pharmacognosy (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: 7	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Conditions for the successful completion of laboratory practices: – students are obliged to wear a white lab coat, which is necessary for laboratory work – a 100-% attendance at the laboratory practices is required – written protocols/reports from each laboratory practice are to be handed in – microscopic slides shall be handled with care – the fee to be paid for a broken microscopic slide is 2 € – students must pass two tests in the course of the semester, each of maximum 100 points; the point yield should be at least 60 % (each test). To students who fail to reach at least 60 % of points in any of the semestral tests, the chance to write a reparative test (once each) will be given and they should then reach an average of at least 60 % of points (average is to be calculated of both tests). Note: Successful passing of the laboratory practices, including the written tests, is the basic requirement to attend the exam in Pharmacognosy (1). The examiners will take into account the grades from the written tests when classifying the course of Pharmacognosy (1). Students may enter Pharmacognosy (2) in the summer semester even though been graded FX in Pharmacognosy (1). Grade A corresponds to obtaining at least 92% of the maximum number of points, B – 84%, C – 76%, D – 68%, E – 60%, Fx less than 60%. Scale of assessment (preliminary/final): 1/1	
Learning outcomes: After successful completion the student is able to discriminate basic structural classes of secondary metabolites and their biogenetic origin, to determine the plant drug identity by its macroscopic and microscopic properties.	
Class syllabus: During lectures students will be informed on the pharmacognostical part of the pharmacopoeia, especially about herbal drug monographs, on plant constituents biogenesis from primary and secondary metabolites point of view, on their function and importance in plant bodies, on classification systems and characterisation of all secondary metabolites classes based on chemical	

properties. Students will acquire an overview about used drugs and their main constituents, which could be a part of official phyto remedies. Content of macroscopical and microscopical part of practice: anatomical and morphological drug characterisation, macroscopical drug recognition in tea mixtures based on diacritic values. Teaching includes self-study of educational videos, assigned problems and independent student work.																				
Recommended literature: Nagy - Mučaji: Pharmacognosy : Natural remedies. – 1st Ed. - Bratislava : FaF UK, 2002. - 72 s. Czigle-Tóth-Tekel'ová: Practical Pharmacognosy. Microscopical and Macroscopical Identification of Herbal Drugs. FPharm CU 2013, ISBN 978-80-223-3354-2. Current version of the European Pharmacopoeia.																				
Languages necessary to complete the course: English																				
Notes:																				
Past grade distribution Total number of evaluated students: 0 <table> <tr> <th>A</th><th>ABS</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> <tr> <td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </table>							A	ABS	B	C	D	E	FX	0,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS	B	C	D	E	FX														
0,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: prof. PharmDr. Pavel Mučaji, PhD., prof. Ing. Milan Nagy, CSc., doc. PharmDr. Silvia Bittner Fialová, PhD., PharmDr. Vladimír Forman, PhD., Mgr. Jaroslav Tóth, PhD.																				
Last change: 10.06.2026																				
Approved by: prof. PharmDr. Pavel Mučaji, PhD.																				