

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Pharmacy	
Course ID: FaF.KFB/05-Mgr-A/26	Course title: Pharmacognosy (2)
Educational activities: Type of activities: lecture / laboratory practicals Number of hours: per week: 2 / 5 per level/semester: 28 / 70 Form of the course: on-site learning	
Number of credits: 8	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 1. Conditions for successful completion of the exercise: - obtaining a minimum of 60% points in each of the tests, - development and presentation of an analytical protocol, - complete the prescribed exercises. 2. Continuous evaluation of practical exercises: - 2 semester tests - always with a maximum of 100 points; - a student who fails to obtain at least 60% of the marks in each of the two tests is entitled to one retake test in each of the prescribed tests. The result of a given retake test, if at least 60% of the points, will be substituted for the number of points of the retake prescribed test. The focus of the retake test will be the same as that of the failed test. If the student does not score at least 60% on both of the semester tests, the focus of the retake test will include the topics of both failed tests. If the student fails to meet the minimum average score requirement of 60% on the above tests, the instructor will award the student a grade of FX, which will prevent the student from attending the Pharmacognosy (2) examination. Such student shall be required to take the failed/absent prescribed tests when the Pharmacognosy (2) course is carried forward to the next academic year. The final average % grade (score of at least 60%) for the tests will be included in the overall course grade by 1/3, with the remaining 2/3 being the exam grade. The Pharmacognosy (2) exam is in the form of a test. 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): 1/2	
Learning outcomes: After successful completion of the training process, the student is able to classify herbal medicines according to their use in prevention and therapy, to correlate their biological effects with their main types of content substances, to know the classification of adverse effects and interactions of natural medicines, and to assess the quality of a herbal drug on the basis of pharmacognostic pharmacopoeial evaluation.	
Class syllabus:	

Students receive information on the classification of drugs according to therapeutic use, including basic information on side effects and drug interactions caused by ingredients of natural origin. Emphasis is placed on herbal drugs and their active substances, which are part of the registered phytopharmaceuticals in EU countries or are registered in the current edition of the European Pharmacopoeia. In the chemical part of the practical exercises, students are introduced to selected pharmacopoeial methodologies for testing the identity of drugs and the determination of the content of active substances. They are also trained in the basic procedures of extraction and isolation of substances from plant material with emphasis on chromatographic methods.																				
Recommended literature: Nagy - Mučaji: Pharmacognosy : Natural remedies. – 1st Ed. - Bratislava : FPharm CU, 2002. - 72 p. Mučaji - Nagy: Pharmacognosy : Analytical and chromatographic practice. - 2nd rev. Ed. - Bratislava : FPharm CU, 2011. - 75 p. Current version of the European Pharmacopoeia.																				
Languages necessary to complete the course: English																				
Notes:																				
Past grade distribution Total number of evaluated students: 0 <table border="1"> <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.																				