

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Pharmacy	
Course ID: FaF.KFT/28-Mgr/20	Course title: Medical Propaedeutics
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Personal attendance at all lectures and practical classes, justified absence (max 2x) is replaced according to the instructions of the teacher; to pass 1 scheduled pretests, minimally 60% rate. The final exam test is completed by students in computer by written form (distant) of examination. To pass the final exam test by students in minimally 60% rate. Evaluation (mark and score): A 91-100%, B 81-90%, C 71-80%, D 66-70%, E 60-65%, FX # 60%. Scale of assessment (preliminary/final): 0/100	
Learning outcomes: The subject Medical Propedeutics for Pharmacists is designed for pharmacy students focused on selected knowledge from medical disciplines and reflected the current state of pharmacy practice necessary to increase the quality of basic knowledge of compulsory study and professional qualifications of pharmacists. Subject content familiarises a student with a process of determining diagnosis based on physical examination, using a wide range of currently used laboratory and instrumentation procedures, screening tests and markers of some diseases, facilitates the determination of medication therapy management. An important skill is ability to communicate clearly and effectively with patients. The subject will provide general principles to prevent the emergence and spread of infectious diseases and a brief overview of vaccination and new possibilities for pharmacy-based immunization. The subject also provides space for medical education using pharmacist campaigns.	
Class syllabus: Medical history, physical examination of the patient and diagnosis, documentation of acquired health knowledge. Specifics of health status of children and seniors. Laboratory and instrumental examination methods. Laboratory and instrumentation analytical methods. Laboratory Medicine based on evidence. Implementation of laboratory diagnostics at the place of provision of Health Care Pact (Point of Care Testing PoCT). Overview of instruments analytical methods. Screening tests. Provision of physical and biochemical examinations in pharmacist - legislation, advice, dangerous waste management. Molecular markers of selected diseases. Overview of the paths and methods of drugs administration. Vaccination. The importance and role of disease prevention in society. Donation. Basics of epidemiology - Epidemiological Surveillance (tracking) of Infectious	

Diseases in SR. Epidemiological methods in practice, indicators of occurrence, the result of the disease and health of the population. Pandemics. The importance and role of prevention of disease in society, educational pharmacists campaigns.

In the practical part, students will focus on investigative techniques, will gain an overview of a comprehensive analysis of blood and biochemical tests, PoCT in practice, learn about the use of various tests available in pharmacies intended for preventive diagnosis and monitoring the safety and efficacy of pharmacotherapy. Students will try basic performance and application techniques on the experimental models of skin or anatomical regions as well as how to obtain material for examination, e.g. capillary blood. Virtually try the model situations of communication with clients in a pharmacy and how a pharmaceutical campaign is prepared.

Recommended literature:

Lecture and exercise materials will be available in Moodle's online system

Thomas J., Monaghan T. Oxford Handbook of Clinical Examination and Practical Skills. Oxford University Press, Oxford, United Kingdom, 2013, ISBN13 9780199593972

Titze KJ. Clinical skills for Pharmacist. Elsevier. 2020 ISBN 9780323077385

Thomas L. Clinical Laboratory Diagnostics 2020, e-edition on www.clinical-laboratory-diagnostics-2020.com

Languages necessary to complete the course:

slovak

Notes:

The capacity of subject is limited to 20 students

Past grade distribution

Total number of evaluated students: 42

A	ABS	B	C	D	E	FX
19,05	0,0	57,14	19,05	4,76	0,0	0,0

Lecturers: prof. PharmDr. Ján Klimas, PhD., MPH, PharmDr. Tomáš Rajtík, PhD., doc. MUDr. Tatiana Stankovičová, CSc.

Last change: 21.12.2021

Approved by: doc. MUDr. Tatiana Stankovičová, CSc.