

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Education	
Course code: KCH/Ch-BD104B/22	Course title: Toxicology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 1 hours per semester: 13 / 13 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Each student must present a given topic from toxicology twice during the semester. A maximum of 20 points can be obtained for the presented content and the quality of the processed presentations. At the final oral exam, the student can get max. 60 points. The final evaluation will be based on the total number of points obtained from the evaluation of the presentations at the seminars and from the oral exam.	
Learning outcomes of the course: After completing the subject, the student will acquire the following knowledge, skills and competences: - The student knows the history of development, goal, content, classification and basic concepts of toxicology - He has knowledge of the effects of substances and their relationship to dose and other factors. He has knowledge on the mechanism and effects of selected groups of chemical substances on the human body organism. - He has the ability to search for expert information on toxicology, process it independently, evaluate and present. He will also acquire skills and habits in presenting individual topics from the field of toxicology, which are assigned to be processed by students for individual seminars.	
Course contents: 1. Introduction to the subject and historical development of toxicology. 2. Objectives, content and classification of toxicology. The main areas of toxicology and their relationship to others medical sciences. 3. Poison, harmful substance, basic terms. Scale of toxicity of chemical substances. Classification of poisons. 4. Classification of poisons and harmful substances. Interactions of CHL with a living organism. 5. Effect of poisons and types of effect. direct toxic effect, biochemical effect. Enzyme inhibition. 6. Immunotoxicity, teratogenicity, mutagenicity and carcinogenicity. 7. Dependence of the effect of substances on various factors. 8. Fate of chemical substances in the organism. 9. Toxicology of selected inorganic chemical substances. 10. Toxicology of important organic compounds, narcotic and psychotropic substances.	

11. Additives and dangerous substances in food. 12. Toxicology of chemical substances potentially abusable for the purposes of chemical terrorism (industrial chemicals and combat poisons)					
Recommended or required literature:					
Language of instruction:					
Notes:					
Course evaluation: Assessed students in total: 2					
A	B	C	D	E	FX
50.0	50.0	0.0	0.0	0.0	0.0
Name of lecturer(s): doc. RNDr. Miroslav Rievaj, PhD.					
Last modification: 22.07.2022					
Supervisor(s): Guarantor: Administrátor Systému People responsible for the delivery, development and quality of the study programme: prof. ThDr. Rastislav Adamko, PhD., doc. Mgr. Marek Babic, PhD., doc. RNDr. Pavel Bella, PhD., prof. PaedDr. Mgr. art. Rastislav Biarinec, ArtD., prof. Irina Chelysheva, DrSc., prof. PaedDr. František Dlugoš, PhD., Mgr. Juraj Dvorský, PhD., prof. PhDr. Ingrid Emmerová, PhD., doc. Tatiana Korenkova, CSc., prof. PaedDr. Milan Ligoš, CSc., doc. Mgr. Eva Litavcová, PhD., doc. PaedDr. Peter Mačura, PhD., prof. PhDr. David Papajík, PhD., doc. Ing. Miroslav Saniga, CSc., prof. Nóra Séllei, PhD., DrSc., PhDr. ThLic. Martin Taraj, PhD., Prof. Ing. Peter Tomčík, PhD., prof. Dr. phil. fac. theol. Peter Volek, doc. Ing. Igor Černák, PhD.					