

University: Comenius University in Bratislava		
Faculty: Faculty of Pharmacy		
Course Code: KFT/12-Mgr-A/00	Course name: Toxicology of Xenobiotics	
Study program: Pharmacy		
Guaranteed by: Doc. RNDr. Eva Račanská, CSc.		Provided by: doc. Račanská, Mgr. Sprušanský, dr. Křenek, dr. Ondriašová, doc. Adameová, dr. Mátuš, dr. Killiánová, prof. Kuželová
Period: 3 rd academic year, one term	Type of teaching: Lectures, seminars Recommended extent of course (in hours): per week: 3 (2/1/0) per study: 42	Number of credits: 4
Prerequisite courses: none		
Intermediate and final evaluation:		
Running evaluation: -		
Final evaluation: examination in written form (multiple choice)		
Purpose of the course: The subject deals with toxic effects of poisons on living organisms. With regard to an increasing number of chemicals and their exposition to man, borderline of toxicology is expanded to many other fields of life.		
Syllabus: The subject is concentrated on general and specific rules in toxic effects of chemical substances to human and animal populations (poison, classification of poisons, mechanisms of their actions, intoxications by drugs, ethanol, toxic plants or animal substances, mushrooms, metals and children poisoning). Because of an important role of active prevention, approaches for detection of some serious chemical jeopardies and instruction in toxicological evaluations of remedies and other xenobiotics will be discussed. Within the subject lessons, it will be spoken about toxicology of drugs, chemical products, new chemical substances, industrial wastes, food and agricultural toxicology, pesticides, toxicology of ionization, immunotoxicology, influence of non-metals on human organism as well as on living and working milieu. It appears that in our highly developed society more experts on toxicology will be required. Some highly erudite pharmacist educated in chemical and biological sciences as well as in toxicology would the requirements provide.		
Literature: Carson R.H.: <i>The toxicology handbook for clinicians</i> . Mosby Elsevier, Philadelphia, 2006 Hodgson E.: <i>A textbook of modern toxicology</i> , Wiley, 2010 Presentation from lectures and seminars of the course.		
Language of instruction: English		Signature of the guarantee and the date of the last revision: June, 2017