

Information sheet for the course Examination methods in toxicology

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Health Care</i>					
Course unit code: <i>VMTox/e</i>			Course unit title: <i>Examination methods in toxicology</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>Seminar: 1 hour weekly/13 hours per semester of study; full-time</i>					
Number of credits: 3					
Recommended semester: <i>5th semester in the 3rd year (part-time)</i>					
Degree of study: <i>I (bachelor)</i>					
Course prerequisites: <i>none</i>					
Assessment methods: <i>To obtain credits for the course, a student must pass an oral or written examination (50 points). To obtain A, a student must score at least 45 points, to obtain B, a student must score at least 40 points, to obtain C, a student must obtain at least 35 points, to obtain D, a student must obtain at least 30 points, and finally to obtain E, a students must to obtain at least 25 points.</i>					
Learning outcomes of the course: <i>A student has knowledge about the issue of interactions of pollutants with living organisms, their routes of entry into the body, metabolism and excretion from the body. Based on theoretical knowledge a student acquires practical experience with laboratory methods used in acute and chronic intoxications, drug screening in therapy.</i>					
Course contents: <ol style="list-style-type: none"> 1. Introduction to toxicology, basic concepts. 2. Clinical and occupational toxicology. 3. Laboratory diagnosis of toxicology. 4. Lead poisoning and its compounds and alloys. 5. Estimation of delta aminolevulinic acid in urine. 6. Ethyl alcohol intoxication. 7. Organic solvent intoxication (toluene, acetone, styrene). 8. Estimation of hippuric acid in biological material, intoxication toluene. 9. Estimation of mandelic acid in biological material, styrene exposure. 10. Estimation of nicotine metabolite cotinine. 11. Intoxication with carbon monoxide, dioxide. 12. National poison information centre. 13. Laboratory exercise protocols, final test. 					
Recommended of required reading: <ol style="list-style-type: none"> 1. BUCHANCOVÁ, J., a kol.: 2003. <i>Pracovné lekárstvo a toxikológia</i>, Osveta 2003, 1132 s., ISBN: 8080631131 2. LINHART, I.: 2012. <i>Toxikológia</i>. VŠCHT Praha, 2012. 376 s. ISBN-978-7080-806-1 					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history: <i>Number of evaluated students:</i>					
a	b	c	d	e	f
-	-	-	-	-	-
Lectures: <i>RNDr. Mária Poláková, PhD.</i>					

Last modification: 22.4.2014
Supervisor: <i>doc. MUDr. Jana Slobodniková, CSc.</i>