

Study Programme: Master academic studies of forensics			
Course Unit Title: Forensic Toxicology			
Course Unit Code: FH-15			
Name of Lecturer(s): Full Professor Đendi Vaštag			
Type and Level of Studies: Master Academic Degree			
Course Status (compulsory/elective): elective			
Semester (winter/summer): Summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: None			
Course Aims: Understanding basic forensic principles, acting and eliminating poison from the body, sampling and applying advanced analytical methods and techniques for their forensic analysis.			
Learning Outcomes: After the successful completion of this course, the student is able to: 1. list poisons and toxic substances; 2. demonstrate the acquired knowledge and understanding of the principles of forensic toxicology during the independently selecting the most appropriate analytical technique and the method for analyzing the concrete sample; 3. properly handle the instruments for the toxicological analysis of the selected samples; 4. reliably, precisely and accurately measure during the selected toxicological analyzes and interprets the obtained experimental results and writes reports on the analysis made.			
Syllabus: <i>Theory</i> Analytical and Forensic Toxicology. The poisons. Sampling and Samples in Toxicology. Lipophilicity and hydrophilicity of poison. Absorption and elimination of poisons from the body. Poison gases. Inorganic poisons - metals and non-metals, anions. Drugs and drug addiction. War poisons. Other poisons (venoms, plants, bacteria). Legislation in the field of toxicology. Disposal of hazardous substances, medicines and poisons. <i>Practice</i> Practical classes follow theoretical lessons. Solving certain problems in the field of toxicology using adequate instrumental techniques.			
Required Reading: 1. Clarke's Analytical Forensic Toxicology, Pharmaceutical Press (2008) 2. Introduction to forensic science, W. Eckert, 2nd edition, CRC Press (2000) 3. A textbook of modern toxicology, E. Hodgson, 3rd edition, Willey Interscience (2004) – selected chapters 4. Scripts and notes from lectures			
Weekly Contact Hours: 75	Lectures: 30	Practical work: 30	Other forms of teaching: 15
Teaching Methods: Lectures, laboratory exercises and consultations.			
Knowledge Assessment (maximum of 100 points): 100			
Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam	20
Practical work	30	oral exam	10
Seminar(s)	30		