

COURSE UNIT INFORMATION FORM

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Subject code:	Name of the subject: <i>Occupational medicine and toxicology</i>
Form, extent and method of teaching activities: <i>Lecture/Practical</i> <i>Extent (in hours) – per week: 0,5/0,5</i> <i>Method - attendance form</i>	
Number of credits: <i>1 credit</i>	
Recommended semester/trimester of study: <i>9th semester</i>	
Level of study: <i>joint 1st and 2nd level (MUDr.)</i>	
Prerequisites: <i>Internal medicine 3</i>	
Subject completion requirements: <i>Evaluation of students takes the form of a written examination, the minimum threshold of success: 65%.</i> <i>Evaluation: A: 93-100%, B: 86-92%, C: 79-85% D: 72-78% E: 65-71%, Fx: 64% or less</i>	
Learning outcomes: <i>Completing the course the student acquires basic information of occupational medicine issues, is able understand the principles of diagnosis, treatment, prevention, reporting and compensation of occupational diseases. Is able to identify physical, chemical and biological risk factors in the working environment. The acquired knowledge is able apply for patient evaluation and in differential diagnosis. Student can identify and manage diagnostic process, the most common diseases of the respiratory system, musculoskeletal system, of the professional cancer, of the most common acute and chronic intoxications.</i>	
Brief syllabus: <i>Introduction to the study of Occupational medicine and toxicology, professional disease - definition, the international list of occupational diseases. The assessment and compensation of occupational diseases. The preventive medical examinations.</i> <i>- Diagnostic procedures and methods, work history, health assessments, treatment and preventive measures to protect health.</i> <i>- Diagnostic methods used in professional and non-professional damages by toxic substances. Evaluation of biological exposure tests, the using of atomic absorption spectrophotometry, chromatographic methods. Activities of the Toxicological information center.</i> <i>- Diagnostic methods used in diseases from physical risk factors. (dynamometry, cold test, measurement of skin temperature, photoplethysmography...).</i> <i>- Professional diseases of the respiratory system - pneumoconiosis - ILO x-ray classification, bronchial asthma, allergic rhinitis.</i> <i>- Professional tumors, etiopathogenesis, clinical findings and hazardous work.</i> <i>- Health damage after acute inhalation gases. The damage by chemical agents at accidents and terrorist use. Damages of the health from aliphatic and aromatic hydrocarbons.</i> <i>- Diseases of the long-term, excessive unilateral limb loading, vibration disease.</i> <i>- The damage of the health by ionizing radiation. Work-related stress. Electromagnetic fields in daily life, the effects on the human body.</i>	
Recommended literature: <i>LaDou, P. : Current Occupational and environmental medicine. Mc Grax-Hill Education Europe, 2007, 856 s.</i> <i>Rom, W.N. : Environmental and Occupational Medicine, Philadelphia: Lippincott Williams & Wilkins, 2007, 1884 s.</i> <i>Levy, Barry S. : Occupational and Environmental Health. Oxford: University press, 2011, 854 p.</i>	
Language of instruction needed for subject completion: <i>English language</i>	
Notes: ---	
Assessment of subjects <i>Total number of students assessed:</i> <i>A: 100%, B: 0%, C: 0%, D: 0%, E: 0%, FX: 0%, ABS0: 0 %</i>	
Teachers: <i>assoc. prof. MUDr. Oto Osina, PhD.</i>	
Date of the last modification: <i>31.1.2014</i>	
Approved by: <i>assoc. prof. MUDr. Oto Osina, PhD.</i>	