

Study program: Integrated Academic Studies in Medicine			
Course title: Occupational Medicine			
Teacher: Ivan M. Mikov, Bela L. Prokeš, Milorad M. Španović			
Course status: compulsory			
ECTS Credits: 2			
Condition: Internal Medicine; Epidemiology (exam)			
Course aim Education in field of occupational medicine i.e. occupational health.			
Expected outcome of the course: Students should adopt knowledge concerning organization of occupational medicine, occupational hazards, occupational diseases, preventive health surveillance at work, work physiology, occupational toxicology, workplace injuries and health protection of various occupational groups. Students should adopt skills related to: evaluation of working environment, occupational diseases and intoxications, work ability assessments, prevention of injuries at work, prevention of work disability and application of work safety measures.			
Course description <i>Theoretical education</i> Introduction to occupational medicine 2. Work physiology 3. Radiation in work environment 4. Occupational diseases 5. Work related diseases 6. Occupational traumatism 7. Occupational toxicology – general 8. Occupational toxicology – metals 9. Occupational toxicology – toxic gases 10. Occupational toxicology – organic solvents 11. Occupational toxicology – pesticides 12. Occupational respiratory diseases 13. Carcinogens in working environment 14. Work conditions in some industries 15. Effect of working conditions on women and youth health and safety measures <i>Practical education</i> Microclimate of working environment 2. Heat indices 3. Air pollution of working environment – dust 4. Air pollution of working environment – gasses and vapors 5. Noise at working environment 6. Workplace injuries 7. Pneumoconiosis – radiology classification 8. Work ability assessment in diseases due to organic dust 9. Work ability assessment in diseases due to vibrations 10. Work ability assessment in occupational skin and infectious diseases 11. Work ability assessment in intoxications due to organophosphorous pesticides 12. Work ability assessment in occupational liver and haematopoetic disorders 13. Work ability assessment in occupational musculoskeletal disorders 14. Work ability assessment in persons exposed to ionizing radiation 15. Characteristics of work conditions in some branches of industry			
Literature <i>Compulsory</i> 1. Levy BS, Wegman DH, Baron SL, Sokas SR. Occupational and environmental health. New York: Oxford University Press, 2017. 2. Koh D, Aw TC. Textbook of occupational medicine practice. Singapore: World Scientific Publishing, 2016.			
Number of active classes		Theoretical classes: 30	Practical classes: 15
Teaching methods Lectures, practice			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	30	Written	55
Practices	15	Oral	
Colloquium		
Essay			