

Study program: Integrated Academic Studies in Dental Medicine
Course title: Public Health
Teacher: <i>Department of Hygiene:</i> Marija R. Jevtić, Jelena M. Bjelanović, Sanja V. Bijelović, Milka B. Popović, Radmila S. Velicki <i>Department of Social Medicine and Health Statistics with Informatic:</i> Svetlana T. Kvirgić, Vesna P. Mijatović Jovanović, Snežana N. Ukropina, Dušan K. Čanković, Sanja V. Harhai, Sonja L. Šušnjević, Ivana F. Radić <i>Department of Epidemiology:</i> Vladimir J. Petrović, Gorana S. Dragovac, Tihomir I. Dugandžija, Miodjub M. Ristić, Jelena N. Đekić <i>Department of Microbiology with Parasitology and Immunology:</i> Ivana B. Hrnjaković Cvjetković, Gordana M. Smieško, Vera P. Gusman, Deana D. Medić <i>Department of Occupational medicine:</i> Ivan M. Mikov, Bela L. Prokeš, Milorad M. Španović
Course status: compulsory
ECTS Credits: 3
Condition: -
Course aim Education of dentists in the area of promoting dental and oral apparatus health, health care of dental service customers and employees in dental health institutions. Introduction to the organization of health services.
Course description <i>Theoretical education</i> 1. Public health. Health and quality of life. Concept and strategy "Health for all in XXI century". 2. Health promotion. Health education. Planning and programming of healthcare. 3. Communication in healthcare. Health protection and factors influencing the health protection achievement. Organization of health service. Criteria for evaluation of socio-medical importance of oral diseases. Methodologies for prevention and control of massive non-infectious diseases. Financing of health protection. 4. Reforms of the healthcare system. 5. Definition, objectives and tasks of epidemiology. Epidemiology models. Infection chain. Epidemiology of malignant tumors. 6. Prevention and control of infectious diseases. Immunization. National pathology. 7. Epidemiology of infectious diseases of importance for dentistry practice. Epidemiology of nosocomial infections. 8. Viruses in the environment. Microbial safety of water. Microbiological safety of food and alimentary toxicoinfections (causative agents). Sterilization and disinfection in microbiology – practice. 9. Public health and hygiene. Health 2020. Hygiene and health. 10. Health safety of drinking water. Disposal of hazardous waste in accordance with principles of hygiene. 11. Energy needs of different population groups. Nutrients. Vitamins. Minerals. 12. Health safety of food. Dietary supplements. Items for common use and cosmetics. Hand and working surface swabs. 13. Hand hygiene. Hygienic requirements in a dental practice. Medical nutrition prevention of teeth diseases and diseases of oral apparatus. 14. Occupational health disorders. 15. Occupational hazards and risks. 16. Protection and health promotion at the workplace. <i>Practical education</i> 1. Methods and instruments of health-educational work; demonstration of a creative workshop as a teaching method. 2. Preparation and presentation of a health-education instruments and / or a method of health-education work. 3. Designing of the action plan of health-education campaign and social marketing approach in the community. 4. Presentation of national pathology. 5. Prevention and control of infectious diseases in dental practice. 6. Research models in nosocomial infections and demonstration of nosocomial epidemics research. 7. Microbiological safety of herbal products used as auxiliary treatment in prevention and therapy of oral infections – seminar. 8. Public health and hygiene. 9. Diet and oral health. Diet and oral health – seminar. 10. Hygienic requirements in dental practice – seminar. 11. Microbiological safety of the air – seminar. 12. Expertise of working ability aimed at confirming occupational infectious disease. 13. Expertise of working ability aimed at confirming occupational skin disease. 14. Expertise of working ability aimed at confirming occupational injury caused by ionizing radiation.
Literature <i>Compulsory</i> 1. WHO. Preventing disease through healthy environments: a global assessment of the burden of disease from environmental risks. World Health Organization, Switzerland 2016 2. WHO. MONITORING AMBIENT AIR QUALITY FOR HEALTH IMPACT ASSESSMENT, WHO Regional Publications, European Series, No. 85, Copenhagen, 2003. 3. WHO. GUIDELINES FOR DRINKING – WATER QUALITY, World Health Organization, 3rd Edition, Geneva, 2011. 4. WHO. HEALTH-CARE WASTE. World Health Organization

5. WHO. FOOD SAFETY. WHO. Basic Food Safety for Health Workers. Geneva, World Health Organization
6. ILSI . DIET, PHYSICAL ACTIVITY AND HEALTH, ILSI, Europe
7. WHO. DIET, NUTRITION AND THE PREVENTION OF CHRONIC DISEASE, WHO Technical Report Series 916, Geneva, 2003.
8. WHO. Hand Hygiene. WHO guidelines on hand hygiene in health care, WHO, Geneva, 2009
9. WHO. PROMOTING MENTAL HEALTH. CONCEPTS, EMERGING EVIDENCE, PRACTICE. World Health Organization 2005.
10. Gordis L. EPIDEMIOLOGY. 5th Edition. Saunders. Elsevier. 2013.
11. Ladou J, Harrison R. Occupational and Environmental Medicine. USA: McGraw-Hill Education, 2014.
12. Murray PR, Rosenthal KS, Pfaller MA. Medical microbiology. 7th edition, Elsevier, 2013.
13. Goldstein RL, Dwyer T, Goldstein K. Introduction to Public Health: Promises and Practice. 2nd ed. New York : Springer Publishing Company. 2014

Additional

1. <http://www.efsa.europa.eu>
2. <http://www.codexalimentarius.net>
3. <http://ec.europa.eu/food>
4. <http://www.who.int>
5. <http://www.eufic.gov>
6. <http://www.cdc.gov>

Number of active classes	Theoretical classes: 45	Practical classe: 15	
Teaching methods: lectures, practice, essay			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	5	Written	70
Practices	5	Oral	
Colloquium		
Essay	20		