

<b>Higher education instituon:</b> <i>Slovak Medical University in Bratislava</i>	
<b>Faculty:</b> <i>Faculty of Medicine</i>	
<b>Cours code:</b> <i>GM 042A</i>	<b>Course title:</b> <i>Public Health (1)</i>
<b>Type, extent and method of educational activity:</b> <i>Number of hours per semester:</i> <i>Lectures: 28/2 hours per week</i> <i>Practices: 14/1 hours per week</i>	
<b>Number of credits:</b> <i>3 credits</i>	
<b>Recommended semester/trimester :</b> <i>8.th</i>	
<b>Level of higher education study:</b> <i>1. + 2.level</i>	
<b>Prerequisite courses (subjects):-</b>	
<b>Requirements for completion of the course:</b> <i>Successful completion of the subject. A=100-94 points, B=93-88 points, C=87-81 points, D=80-74 points, E=73-67 points, Fx=66-0 points.</i> <i>14 lectures (maximum 4 absences) – the maximum number of points for participation is 18 points and the minimum number of points is 14.</i> <i>4 Practises (4 seminar work / laboratory reports) - 40 points.</i> <i>Test - the maximum number of points obtained by passing a written test is 42 and the minimum number of points obtained by passing a written test is 32.</i> <i>100% class attendance to the practises.</i> <b>Examine:</b> <i>Examination results A, B, C, D, E, Fx. Minimum level for completion of the course is result E.</i> <i>Student workloadis 33 hours.</i>	
<b>Learning results:</b> <i>Interpret and apply basic knowledge and skills of hygiene and its subspeciality.</i>	
<b>Syllabus:</b> <i>Brief content of the course:</i> <ul style="list-style-type: none"> <li>– <i>Introduction to General Hygiene (History of hygiene. Laboratory and diagnostic methods in hygiene. Welfare and health. The determinants of health.)</i></li> <li>– <i>Living Environment Hygiene (Tasks and objectives of the living environment hygiene. The environment and its factors. Environmental factors and the issue of non-infectious diseases of mass occurrence.)</i></li> <li>– <i>Living Environment Hygiene (Water and morbidity.)</i></li> <li>– <i>Hygiene of Nutrition (Tasks and objectives of food hygiene. The basic components of nutrition and their relevance in the nutrition. Fats, proteins and carbohydrates in the nutrition. Trace elements in nutrition. Liposoluble vitamins in the nutrition. Hydrosoluble vitamins in the nutrition. Nutritional toxicology. Alimentary infections and intoxications. Food safty. Hygiene requirements hygienic conditions for production and manipulation with foodstuffs and with food. Hygienic requirements in facilities of common dining.)</i></li> <li>– <i>Children and Youth Hygiene (Tasks and objectives of the hygiene of children and youth. The growth and development of children. Physiological characteristics of the growth process. Environmental influences on growth and development. Neuro-psychological development of children and youth.)</i></li> <li>– <i>Children and Youth Hygiene (School maturation and prevention of neuropsychiatric diseases. Hygiene requirements for the operation of children's collective facilities. Nutrition of children and youth. Hygiene requirements of in facilities of common dining children and young. Hygiene requirements of recovery stay for children and youth.)</i></li> <li>– <i>Hygiene of Healthcare Facilities (Tasks and objectives of the hygiene of healthcare facilities. Hygiene requirements for healthcare facilities. Nosocomial infections in health care facilities and their prevention .)</i></li> <li>– <i>Hygiene of Healthcare Facilities (The process of infection . Desinfection and sterilization. Hygienic principles in the treatment of the patient . Hygienic principles in the treatment of a patient with an infectious disease.)</i></li> <li>– <i>Radiation Hygiene (Tasks and objectives of radiation hygiene. Use of ionizing radiation in diagnosis and therapy. Hygiene requirements for the use of ionizing radiation in medicine.)</i></li> <li>– <i>Radiation Hygiene (Health risks arising from exposure to ionizing radiation and prevention of occurrence of diseases due to exposure to ionizing radiation.)</i></li> <li>– <i>Preventive Occupational Hygiene (Tasks and objectives of the preventive and occupational medicine. The working environment of health workers and its impact on their health. Chemical compounds in medical practice. Allergens.)</i></li> <li>– <i>Preventive Occupational Hygiene (Toxic and heavy metals. Mode of work and rest and prevention of occupational diseases. Personal protective equipment. Ergonomic principles in the treatment of patients.</i></li> </ul>	

*Dust, noise and vibration in the working environment.)*

- *Environmental Medicine (Environmental burdens and human health.)*
- *Communal Hygiene (Hygiene of lighting. Hygiene of housing. Hygiene of settlement units.)*

*Practices:*

- *Department of Radiation Hygiene (Radiation Hygiene)*
- *Department of Toxicology (Preventive Occupational Hygiene)*
- *Department of Health Protection (Living Environment Hygiene)*
- *University hospital Bratislava - Hospital akad. L. Déreza, Bratislava-Kramáre (Hospital Hygiene)*

**Recommended literature:**

Bencko, V. and co workers. 2004. Hygiene and epidemiology: selected chapters. Prague: Karolinum, 270 p., ISBN: 80-246-0793-X.

Howard, F. 2010. Environmental Health: From Global to Local. 2nd Edition. San Francisco, CA: John Wiley & Sons/Jossey-Bass, 1221 p., ISBN-13 978-0-470-40487-4.

Howard, F. 2016. Environmental Health: From Global to Local. 3rd Edition. San Francisco, CA: John Wiley & Sons/Jossey-Bass, 896 p., ISBN: 978-1-118-98476-5.

**Language requirements:-**

**Notes:**

*The course runs in Slovak and English language.*

**Course assessment**

Assessed students in total: 0

A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%

**Lecturers:**

*doc. MUDr. Štefánia Moricová, PhD., MPH*

*prof. MUDr. Ivan Rovný, PhD., MPH*

*PhDr. Juraj Tihányi, PhD., MPH*

*Mgr. Dominika Hrašková, PhD.*

*MVDr. Dagmar Zeljenková, CSc.*

*doc. PhMr. Marta Hurbánková, CSc.*

*doc. RNDr. Denisa Nikodémová, CSc.*

*MUDr. Branislav Vohnout, PhD.*

*Mgr. Michal Jajcaj*

*MUDr. Iveta Trusková, PhD., MPH, MHA*

*MUDr. Katarína Slotová, PhD.*

**Date of last modification: 15.6.2016**

**Supervised by:** *prof. MUDr. Peter Šimko, CSc.*