

Information sheet for the course Environmental Health I.

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: ZdrPr1/e	Course unit title: Environmental Health I.
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; full-time</i> <i>Seminar: 1 hour weekly/13 hours per semester of study; full-time</i> <i>Supervised practical output: 2 hours weekly/26 hours per semester of study; full-time</i>	
Number of credits: 2	
Recommended semester: <i>3rd semester in the 2nd year (part-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: none	
Assessment methods: <i>To obtain credits for the course, a student must pass an oral examination and write a seminary work (50 points).</i> <ul style="list-style-type: none"> - <i>Seminary work designed for a situation model (20 points).</i> - <i>Oral examination (30 points).</i> <i>To obtain A, a student must score at least 48 points, to obtain B, a student must score at least 44 points, to obtain C, a student must obtain at least 41 points, to obtain D, a student must obtain at least 38 points, and finally to obtain E, a students must to obtain at least 35 points.</i>	
Learning outcomes of the course: A student can define measures to ensure the improvement of public health by creating such conditions of living, which contribute to the protection, promotion and development of public health and minimise health risks from the environment that affect human health. Can explain, in the process of assessment of health risks from the living environment, the evaluation of their impact on public health, on professional healthcare guidance of legal and natural persons in the quality of living environment and living conditions.	
Course contents: Lectures: <ol style="list-style-type: none"> 1. Tasks and activities of <i>Food and Environmental Hygiene Department</i>. The concept of the field. 2. Air Hygiene. Types of air pollutants and their possible effects on human health. 3. Pedosphere and health hazards. 4. Drinking water and its importance for human health. 5. Water supply water as a public health problem. 6. The health risks associated with drinking contaminated water. 7. Procedures to supply hygienic drinking water. Possibilities of its regulation. 8. Sanitary wastewater issues. 9. Bathing water quality standards. 10. Natural bathing areas. 11. Swimming pool sanitation – requirements. 12. Management of waste in terms of human health protection. 13. Analysis of health risks in the environment. Seminars: <ol style="list-style-type: none"> 1. Protection zones of water sources intended for drinking water supply – situation models. 2. Biogas assessment – situation models. 	

3. Accreditation sampling of drinking water – situation models.
4. Sampling of water from natural swimming pools – situation models.
5. Public health surveillance and water sampling from artificial swimming pool – situation models.
6. Sanitary waste problems – situation models.

Recommended of required reading:

1. ŠEVČÍKOVÁ, Ľ. A KOL. 2006. *Hygiena*. Bratislava, UK, 2006. 328s.
2. ROVNÝ, I. A KOL. 1998. *Hygiena 1, 2, 3*. Martin : Osveta, 1998, 687 s.
3. KOPPOVÁ, K., FABIÁNOVÁ, E., DRÍMAL, M. 2010. *Hodnotenie, riadenie a komunikácia zdravotných rizík*. Bratislava : Simply supplies, 2010. 152 s.
4. BENCKO, V. A KOL. 2002. *Hygiena*. Učební texty k seminářům a praktickým cvičením. Praha, UK. 2002, 205 s.
5. ÁGHOVÁ, Ľ. A KOL. 1993. *Praktické cvičenia z hygieny*. Bratislava: LF UK 1993, 201 s. *I,II,III*. Praha : Avicenum. 2003.

Language: Slovak

Remarks:

Evaluation history: *Number of evaluated students*

A	B	C	D	E	FX

Lectures: doc. MUDr. Mária Štefkovičová, PhD., MPH.,

Seminar: Ing. Jozefína Bustinová, MPH.

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Supervisor: doc. MUDr. Mária Štefkovičová, PhD., MPH.