

## Information sheet for the course Health at Work II.

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>	
<b>Faculty:</b> <i>Faculty of Health Care</i>	
<b>Course unit code:</b> <i>ZdrPr1/e</i>	<b>Course unit title:</b> <i>Health at Work II.</i>
<b>Type of course unit:</b> <i>compulsory</i>	
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 1 hour weekly/26 hours per semester of study; full-time</i> <i>Seminare: 2 hours weekly/26 hours per semester of study; full-time</i> <i>Supervised practical output: 2 hours weekly/26 hours per semester of study;</i>	
<b>Number of credits:</b> <i>2</i>	
<b>Recommended semester:</b> <i>6<sup>th</sup> semester in the 3<sup>rd</sup> year (full-time)</i>	
<b>Degree of study:</b> <i>I (bachelor)</i>	
<b>Course prerequisites:</b> <i>none</i>	
<b>Assessment methods:</b> A student obtains 100 points per semester. <ul style="list-style-type: none"> <li>- Seminary work designed for a designated theme (25 points).</li> <li>- Written test (75 points).</li> </ul> To obtain A, a student must score at least 90 points, to obtain B, a student must score at least 80 points, to obtain C, a student must obtain at least 70 points, to obtain D, a student must obtain at least 60 points, and finally to obtain E, a students must to obtain at least 50 points.	
<b>Learning outcomes of the course:</b> A student can define the basic knowledge of professional health risks at work, legislation in categorisation of work. A student has basic skills in the management and evaluation of health risk in practice. A student can analyse causation of potential risks to their health at workplace and is able to formulate the basic principles of prevention and social thought.	
<b>Course contents:</b> <b>Lectures:</b> <ol style="list-style-type: none"> <li>1. Carcinogens, mutagens, teratogens at work, prevention of occupational health damage by carcinogenic substances, biological monitoring.</li> <li>2. Organization of work with exposure to biological agents, characteristics of biological factors, preventive measures.</li> <li>3. Physiology of work, basic concepts, types and forms of workload, work schedules and rest.</li> <li>4. Basics of ergonomics, its application in the prevention of occupational diseases of supportive – musculoskeletal system, chief risk factors from the aspect of ergonomics.</li> <li>5. Risk assessment, evaluation, management, purpose and method of designation of hazardous work by public health authorities.</li> <li>6. Psychology of work – basic tasks in occupational medicine.</li> <li>7. Occupational infectious diseases.</li> <li>8. Mechanisms of toxic substances and mixtures, general principles of poison treatment.</li> <li>9. Health damage by toxic metals (lead, mercury, arsenic, cadmium, manganese, chromium).</li> <li>10. Poisoning by organic solvents, organophosphates, carbon disulfide, carbon monoxide, alcohol.</li> <li>11. Occupational diseases, list of occupational diseases, general principles of differential diagnostics of occupational and non-occupational diseases, diseases of long-term excessive unilateral exposure of extremities (DNJZ).</li> <li>12. Allergic alveolitis, occupational bronchial asthma, dermatitis and professional carcinomas.</li> <li>13. Occupational Health Service.</li> </ol>	

**Seminars:**

1. Occupational exposure in building industries.
2. Assessment of workplace for the production of glass.
3. Professional risk and exposure assessment of health care employees.
4. Assessment of occupational exposure in agriculture.
5. Occupational health risk during extractive operations.
6. Content and requirements of operating procedures.
7. National health surveillance – workplace health hazards and risks.
8. Legislative modifications in the departments of PPL and T.
9. Preventive and protective measures aimed at health risks (technical, organizational, individual, group).
10. Assessment of occupational exposure to biological agents.
11. Principles of diagnosis and treatment - poisoning by chemical agents.
12. Introduction to industrial toxicology.
13. Workshop – seminary works.

**Recommended of required reading:**

1. BUCHANCOVÁ, J., KLIMENTOVÁ, G., ŠULCOVÁ, M., FABIÁNOVÁ, E. 2004. *Pracovné lekárstvo a toxikológia*. Martin: Osveta, 2004, ISBN 80-8063-113-1.
2. CIKRT, M. a spol. 1996. *Pracovní lékařství I-III*. Praha, 1996, ISBN 80-900151-2-3.
3. Časopis (České) Pracovní Lékařství – hlavne referáty publikované za posledných 10 rokov, ISSN 0032-6219
4. ÁGHOVÁ, E. a kol. 1993. *Hygiena*. Martin: Osveta, 1993, ISBN 80-217-0515-9
5. ŠULCOVÁ, M., ČIŽNŔ, I., FABIÁNOVÁ, E. 2012. *Verejné zdravotníctvo*. Bratislava: VEDA, 2012. - 654 s. - ISBN 978-80-224-1283-4.

**Language:** Slovak**Remarks:** -**Evaluation history:** *Number of evaluated students*

A	B	C	D	E	FX
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**Lectures:** MUDr. Antónia Bulková**Seminar:** Mgr. Petra Znášiková**Last modification:** 22.04.2014**Supervisor:** doc. MUDr. Mária Štefkovičová, PhD., MPH.