

<b>Study program: Environmental Protection / Industrial Engineering / Civil Engineering</b>			
<b>Course: Safety and Health at Work</b>			
<b>Professor: PhD Anica Milošević</b>			
<b>Status of course: elective</b>			
<b>ECTS credits: 4</b>			
<b>Pre-requisites: none</b>			
<b>Aims of the course:</b> Introducing students to legal provisions on safety and health at work, hazards, harm in certain processes at workplaces and occupational safety measures, i.e. safety and health at work as well as workplace risk assessment. Training of staff for multidisciplinary approach to work and environmental protection issues that will use up-to-date knowledge to specifically address the problems in this area. Development of knowledge and awareness of different hazards and harm to people in the process of work and taking measures for safe operation.			
<b>Learning outcomes:</b> Students are practically trained to recognize hazards and risks while performing jobs in all workplaces and use protective measures that can affect their reduction. Students acquire general abilities, analyze, synthesize and forecast solutions for the purpose of protection at work and environmental protection, consistent with work and environmental protection methods and procedures. Occupational safety and health protection. Integration of basic knowledge from various fields and its application in protection at work and of the environment. Knowledge of international and national regulations related to safety and health at work. Risks from mechanical and other hazards as well as risk management in certain workplaces.			
<b>Syllabus:</b> <i>Theoretical part</i> Concept and legal regulation of occupational safety. Knowledge of international and national regulations related to safety and protection at work. Basic sources and causes of hazards and injuries at work: a) subjective factors, b) objective factors. Hazards and measures of protection against electrical current. Hazards and measures of protection against fire and explosion. Hazards and measures of protection against mechanical injuries. Hazards and measures of protection in the operation of power plants. Chemical damage. Personal and collective protective equipment and safety of equipment when moving through drives.			
<b>Literature:</b> 1. B. Anđelković, <i>Introduction to Protection</i> , Faculty of Occupational Safety, Niš, 2005. 2. Group of authors, <i>Occupational Safety</i> , Information Service HIP, Pančevo, 1980. 3. NIP educational informer: <i>Legal provisions related to safety and health at work</i> , electronic form, Belgrade, 2006. 4. <i>Law on Safety and Health at Work</i> ("Official Gazette of the Republic of Serbia", No. 101/2005). 5. Drobňjak R., group of authors: <i>Safety and health at work</i> , Book 1 for students of the High-tech technical schools of vocational studies in Uzice, VPTS, Užice, 2011.			
<b>Number of active classes</b>			<b>Other forms of teaching:</b>
Lectures: 2	Practical classes: 0	Laboratory classes: 0	
<b>Teaching methods:</b> Combination of interactive approach with practical problem solving.			
<b>Grading system</b> (maximum 100 points), <b>grading scale</b> from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.			
<b>Pre-commitments</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
activity during lectures and practical	10	written exam	40
colloquium(s)	40	oral exam	-
study research paper(s)	10		
<b>Sum</b>	<b>60</b>	<b>Sum</b>	<b>40</b>