

<b>Study Programme: Environmental Engineering And Occupational Safety Engineering</b>		
<b>Course Unit Title: Designing a occupational safety management system</b>		
<b>Course Unit Code: ZR556</b>		
<b>Name of Lecturer(s): Petrović Maja, Mihajlović Ivana</b>		
<b>Type and Level of Studies: master</b>		
<b>Course Status (compulsory/elective): compulsory</b>		
<b>Semester (winter/ summer): summer</b>		
<b>Language of instruction: english</b>		
<b>Mode of course unit delivery (face-to-face/distance learning): face-to-face</b>		
<b>Number of ECTS Allocated: 4</b>		
<b>Prerequisites: none</b>		
<p><b>Course Aims:</b></p> <p>-Developing knowledge in the field of occupational health and safety; -Introducing the student with the requirements, implementation and application of ISO 45001 standard in the organization's management system; -To acquire knowledge and skills for planning and conducting internal audits in the field of occupational health and safety; -Getting knowledge and skills to prepare an organization for the certification of a occupational health and safety management system.</p>		
<p><b>Learning Outcomes:</b></p> <p>After completing the course and pass the exam, students will be able to: identify the relationship between ISO 45001 and other ISO standards (ISO 9001, ISO 14001) and to participate in the implementation and maintenance of an integrated management system in the organization; -Identify relevant legal regulations and other requirements and value compliance; - Create a policy of the health and safety management system; -Plan and perform internal audits in the field of health and safety management; -Participate in the preparation for the certification of the health and safety management system.</p>		
<p><b>Syllabus.</b></p> <p>Development and history of standards in the area of ??occupational health and safety. Standard ISO 45001 in a relation with other standards (ISO 9001, ISO 14001). Tools and systems for the implementation of the ISO 45001 standard. Role of occupational safety personnel. Leadership and commitment of the highest management to the occupational health and safety. The tasks, responsibilities and powers of the employees in term of occupational safety and health. Documented information of the occupational health and safety management system. Role of the organization's context in the field of ensuring healthy and safe working conditions. Identification of legal regulations and other requirements (stakeholder requests, client requests, etc.) in the field of occupational health and safety for different industrial systems. Evaluation of compliance with legal and other requirements. Policy of the occupational health and safety management system. Defining objectives, evaluating performance, and monitoring the performance of the health and safety management system. Planning and performing internal audits in the field of occupational health and safety management. Certification of the occupational health and safety management system.</p>		
<p><b>Required Reading:</b></p> <p>Relevant literature in English, tbd</p>		
<b>Weekly Contact Hours: 2</b>	<b>Lectures: 2</b>	<b>Practical work: 0</b>
<p><b>Teaching Methods:</b></p> <p>Lectures. Computer exercises. Consultations. In order to collect pre-examination points during the semester, students are obliged to attend lectures and computer exercises and to pass two case studies. After successfully completing the pre-examination obligations, students are entitled to take the exam. The exam consists of the written and mandatory oral part. During the semester students can pass the written part of the exam through two colloquiums. If the student does not pass the written part of the exam through the form of a colloquium, the student enters the written part of the exam which covers the materials of the entire semester. The overall assessment of the exam is formed by summing up the number of points obtained from pre-examination obligations, colloquia, ie the written part of the exam and the number of points scored in the oral part of the exam.</p>		

<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Attendance			
Computer exercises			
Tests (4x)			

