

Study program: Environmental Protection			
Course title: Ecological Engineering			
Professor/assistant: Slađana Nedeljković			
Type of course: elective			
ECTS credits: 6			
Pre-requisites: -			
Aims of the course: Prepare students to: introduce the requirements of the ISO 14001 standard in order to build an environmental management system, introduce procedures and organizational techniques, adopt tools that are necessary for the implementation of the environmental management system, communicate with the public when it comes to environmental protection.			
Learning outcomes: Students will able to: implement ISO 14 001 standard, make a proposal for measures to reduce the risk of ecological disasters, increase the ability of a quick and effective intervention, follow the procedure for easier obtaining of authorizations and permits from local and state authorities, realize new employment opportunities in markets where ecological production is important.			
Syllabus			
<u>Theoretical part</u> Interpretation of ISO 14001 standards. Assessment of environmental aspects and their impact. Legal responsibility. Managing legal responsibilities when it comes to the environment. Preventive emergency planning. Implementation of internal audit. Internal and external communication from the aspect of environmental protection. Spending natural resources.			
<u>Practical part</u> Workshops and examples of good practice. Teamwork.			
Literature			
<ol style="list-style-type: none"> 1. M.Heleta. <i>Projektovanje sistema zaštite životne sredine</i>, Univerzitet Singidunum 2010 2. Š. Đarmati, <i>Menadžment zagađenja vazduha i vode</i>, Beogradska politehnika, 2007 			
Number of active classes			Other forms of teaching:
Lectures: 2	Practical classes: 2	Research work:	
Teaching methods Teaching is conducted interactively in the form of lectures, auditory, laboratory and computer exercises. In lectures, theoretical part of the material is presented, accompanied by characteristic examples for easier understanding of the material. Computer exercises comprise the use of information and communication technologies in mastering the knowledge from the observed area. In addition to lectures and exercises, consultations are also held regularly.			
Grading system (maximum 100 points), grading scale 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.			
Pre-exam obligations	points	Final exam	points
activity during theoretical lectures	10	written exam	-
practical training	20	oral exam	30
colloquium(s)/seminar papers	40		
Sum	70	Sum	30