

<b>Study program:</b> Environmental Protection			
<b>Course title:</b> Introductory Principles of Environmental Protection			
<b>Professor/assistant:</b> Anica Milošević / Natalija Tošić			
<b>Type of course:</b> compulsory			
<b>ECTS credits:</b> 7			
<b>Pre-requisites:</b> -			
<b>Aims of the course:</b> Prepare students to: use terminology and the specific objectives of environmental protection engineering, recognize basic principles of environmental considerations, such as interdisciplinarity and globalization.			
<b>Learning outcomes:</b> Student will be able to: apply acquired knowledge from the basic principles of environmental protection necessary for the profession, apply of basic principles of environmental protection, link basic knowledge in the field of environmental protection and applying it to many professional subjects			
<b>Syllabus</b>			
<u>Theoretical part</u> Introduction to environmental engineering as a discipline (environmental crisis, the symptoms of crisis life, the goal of environmental engineering, sustainable development, interdisciplinarity and globalization). Basic concepts of general environmental engineering (concept of system, system boundaries, energy and matter exchange through the boundaries of the system, planet Earth as a system, flows, cycles and structures of the system of life, structure of an open system of the environment). Water circulation and global cycles of some chemical elements. Interaction between civilization and the environment (urban development, demographic explosion, population nutrition). Atmosphere, significant atmospheric parameters and MDK pollutants in the atmosphere (structuremosphere, temperature in the atmosphere). Noise as a specific type of pollution (sound generation and its transmission, noise sources, permissible levels of noise in the environment). Sources, characteristics and effects of pollution (air pollution, air pollution sources, primary and secondary pollutants, air pollution effects, ozone as a problem in the environment, global warming). Basic principles of environmental protection.			
<u>Practical part</u> The exercises and calculus illustrate the themes processed on theoretical teaching, which contributes to better definition, and better understanding of the themes processed in theoretical teaching.			
<b>Literature</b>			
<ol style="list-style-type: none"> <li>1. Fundamentals of Environment, FTN Novi Sad</li> <li>2. Practical Exercises Environmental Protection, VTŠ Novi Sad</li> <li>3. D. Štrbac et al., Introduction to Environmental Engineering, FTN Novi Sad, 2014</li> <li>4. O. Jovanovic, Environmental Protection, Belgrade Polytechnic, 2006</li> </ol>			
<b>Number of active classes</b>			Other forms of teaching:
Lectures: 3	Practical classes: 2	Research work:	
<b>Teaching methods</b> Teaching takes place interactively in the form of lectures, auditory and laboratory exercises. Lectures show proportional characteristic examples for easier understanding of materials. From practical classes, students independently solve problems on a given topic. After lectures and exercises, consultations are regularly held.			
<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-exam obligations</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
activity during theoretical lectures	<b>10</b>	written exam	<b>40</b>
practical training	-	oral exam	-
colloquium(s)/study research	<b>40/10</b>		
<b>Sum</b>	<b>60</b>	<b>Sum</b>	<b>40</b>