

Study program: Industrial Engineering			
Course title: Sustainable Development			
Professor/assistant: Biljana Milutinovic / Natalija Tosic			
Type of course: elective			
ECTS credits: 5			
Pre-requisites:			
Aims of the course: Prepare students to: <ul style="list-style-type: none"> - understand the basic concepts of sustainable development, - introduce social values and needs for sustainable production and distinguish risk factors for the environment recognize strategic goals of sustainable development.			
Learning outcomes: Students are able to: <ul style="list-style-type: none"> - understand what consequences can arise by not implementing the concept of sustainable development. - Apply the acquired knowledge in order to implement the concept of sustainable development. 			
Syllabus			
<i>Theoretical part</i> Introduction to the subject, basic concepts of sustainable development. Social values and sustainable development. The emergence of the concept of sustainable development. Environment and natural resources. Hazardous substances in the environment and sustainable development. The effect of physical harm and sustainable development. Environmental pollution, consequences of environmental pollution and sustainable development. Sustainable development strategy. Institutional framework, financing, monitoring and implementing the strategy of sustainable development.			
<i>Practical part</i> Practice, other forms of teaching, study research work			
Literature <ol style="list-style-type: none"> 1. D. Nikolić, Environmental Protection (in Serbian), Faculty of Mining and Metallurgy, Kosovska Mitrovica, 2000. 2. M. Djukanovic, Environment and Sustainable Development (in Serbian), Elit, Belgrade, 1997. 3. D. Veselinović, Physical-chemical basis of environmental protection (in Serbian), Belgrade, 1995. 4. M. Djukanovic, Ecological Challenge (in Serbian), Elite, Belgrade, 1997. 			
Number of active classes			Other forms of teaching:
Lectures: 2	Practical classes: 2	Research work:	
Teaching methods Combined, interactive approach with practical problems solving			
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	30
practical training		oral exam	
colloquium(s)/seminar papers	40+20		
Sum	70	Sum	30