

Study program: Environmental protection			
Type and level of study: Bachelor academic studies			
Course Title: Life Cycle Assessment			
Teachers: Jasna Stepanov			
Status: Optional subject, semester VI			
ECTS: 7			
Prerequisite: None			
The goal of course The aim of this course is to master the technique and analysis of the use of raw materials and products throughout the life cycle, as well as the analysis of the influence of the production cycle of the product and the environment.			
The outcome of the subject Students will be able to analyze the usability of the product from the point of impact and the importance of environment. You will have a basic understanding of the need to improve the use and use of raw materials			
Syllabus <i>Theoretical study –</i> History of development and the importance of life-cycle analysis, methodology, principles and frameworks life-cycle analysis; ISO 14040 standards, assessment. Determining the objectives and scope and analysis inventory lifecycle. The introduction of environmental management. Assessing the impact of the product at all stages lifecycle environmental, efficiency, eco-design. <i>Practical classes -</i> Practical work will be tied to specific projects and case study analysis of individual life cycle and use software package aza application ISO 14040th			
Literature 1. Analytical tools in Environmental management. Thematic Proceedings of the Faculty of Environmental Protection. Educons University. Sremska Kamenica. 2010th. 2. Stevanović- Carapina, H., Jovović, A. & Stepanov. J. Life Cycle Assessment as a tool in the waste management strategic planning. ISBN 978-86-87785-26-7. Educons University., monographs. 3. Hendrickson, T.C., Lave, B.L. & Matthews S.H. (2006). Environmental Life Cycle Assessment of Goods and Services: An Input-Output Approach. RFF Press. 4. Niemann, J., Tichkiewitch, S. & Westkämper, E. (2008). Design of Sustainable Product Life Cycles. Springer. 5. Material from lectures			
Number of lectures: 5			Other Classes
Lectures: 3	Practices: 2	Other forms of teaching: Student research work:	
Teaching methods: Lectures, using computer technology, discussions with students, individual and team work.			
Score (maximum 100 points)			
Pre-commitments	Poens	The final exam	Poens
Activity during lectures	10	Written exam	40
Practical classes	20	Oral examination	
Colloquia			
Seminars	30		
<i>Total</i>	60		40