

Study program: Faculty of Environmental protection			
Type and level of study: Doctoral academic studies			
Course Title: ECODESIGN			
Teacher(s): Dunja Prokić			
Status: ELECTIVE, IV semester			
ECTS: 15			
Prerequisite: None			
The goal of the course: The course is focused on eco-design of products and eco-production. The main objective of the course is to introduce students to contemporary business approaches and practices in the global market and training in the application of principles, analytical tools and techniques within the concept of international business ..			
The outcome of the subject: After mastering materials related to Eco design and eco-production, students will be able to consider the impact of products on the environment through the application of LCA (Life Cycle Analysis). Students will acquire methodological knowledge necessary for the development of new and improvement of old products through the process of planning, production and development control, bearing in mind the whole entire life cycle of the product and the concept of sustainable development			
Syllabus: <i>Theoretical study</i> –The subject matter is designed in five sections or parts: Eco-design with the aim of effective implementation of the concept of the product life cycle, with the aim reduce environmental pollution, especially air, waste water treatment and minimization waste analysis, the basis of eco-production with examples of implementation in both developed and developing countries. Strategies and modalities of international marketing operations in terms of eco- designing. <i>Practical classes</i> – Exercises with practical examples, presentation of seminars, papers and case studies using LCA techniques			
Literature: 1. H.Stevanović- Carapina, A.Jovović, Stepanov J., Life Cycle Assessment as a tool in the waste management strategic planning , ISBN 978-86-87785-26-7 Publisher: Educons University, monographs 2. Standards of ISO 14000, the Institute for Standardization of Serbia 3. Hendrickson, L. B. Lave, HS Matthews, Environmental Life Cycle Assessment of Goods and Services: An Input-Output Approach, RFF Press, 2006 4. J.Niemann, S. Tichkiewitch, E. Westkämper, Design of Sustainable Product Life Cycles, Springer, 2008 5. Material from lectures			
Number of lectures:			Other Classes
Lectures:	Practices:	Other forms of teaching:	
Student research work:			
Teaching methods:			
Score for grading (maximal 100 points)			
Pre-commitments	Poens	The final exam	Poens
Activity during lectures	10	Written exam	40
Practical classes	20	Oral examination	
Colloquia			
Seminars	40		
<i>Total</i>			