

Study program: Environmental Protection			
Course title: Recycling Technologies			
Professor/assistant: Boban Cvetanović/ Petar S. Đekić			
Type of course: elective			
ECTS credits: 6			
Pre-requisites: -			
Aims of the course: Prepare students to: acquire basic knowledge about various recycling technologies for different types of waste and on the basis of that knowledge they should recognize, separate and prepare for recycling and / or disposal the materials derived from different products and processes.			
Learning outcomes: Student will be able to: assess and explain the properties of certain types of waste and the specificities related to their handling and waste management, analyze the recycling processes and technologies that are used in these processes.			
Syllabus			
<i>Theoretical part</i> Introductory considerations, characteristics and types of waste. Legislation related to the waste management sector in Slovenia and the EU. The concept and importance of recycling, as an option for waste treatment. Recycling technologies. Recycling paper and glass. Recycling tires. Recycling plastic. Recycling of metal waste and building materials. Recycling of electronic and electrical waste. Recycling of medical waste. Transport system and vehicles for collection and transport of waste.			
<i>Practical part</i> Learning material for practical classes that follow the lectures is developed using examples from good practice. Seminar work and student visits to companies provide excellent preparation for the final exam where the student shows the acquired knowledge and developed skills.			
Literature			
<ol style="list-style-type: none"> Hodolič et all., <i>Reciklaža i reciklažne tehnologije</i>, FTN Novi Sad, 2011. Službeni glasnik RS br. 36/09 i 88/2010, <i>Zakon o upravljanju otpadom</i>, 2010. Ministarstvo životne sredine i prostornog planiranja, <i>Strategija upravljanja otpadom za period 2010-2019.g.</i>, 2010. 			
Number of active classes			Other forms of teaching:
Lectures: 2	Practical classes: 3	Research work:	
Teaching methods Combined- interactive approach with practical problem 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	5	written exam	40
practical training	15	oral exam	-
colloquium(s)/seminar papers	40		
Sum	60	Sum	40