Course Unit Descriptor

Study Programme: Traffic Engineering			
Course Unit Title: Reverse and Green logistics			
Course Unit Code: LIM31			
Name of Lecturer(s): Đurđica Stojanović			
Type and Level of Studies: Master level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): Winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: None			
Course Aims: Acquiring knowledge about the role, significance and impact of logistics on the environment and specific features of reverse flows in extended supply chains.			
Learning Outcomes: Acquisition of basic theoretical and practical knowledge about the environmental aspect of logistics and specific features of reverse flows in extended supply chains. The ability to identify and quantify measurable effects of the logistics impact on the environment			
Syllabus: The influence of transport on the environment. Green supply chains. International and domestic legal frameworks for environmentally responsible management of logistics processes. Systems monitoring of the impact of transport on the environment. Reverse logistics. Extended supply chains. Logistics recycling. Reverse logistics in e-commerce and trade. Reverse logistics in cities. Concept and types of waste. Shaping the logistics chain in waste motion. Logistics requirements and concepts in motion of hazardous waste. International and domestic sources of law governing waste management. The documentation related to the movement of waste.Green logistics. The impact of transport on the environment. Identification and quantification of external influences and external costs of logistics. Indicators and monitoring of the impact of transport, storage and packaging on the environment. Influence of transport on air pollution, role and importance of cargo traffic in the creation of air pollution and greenhouse gases. Calculation of emissions. Measures to reduce the harmful impact of transport on the environment.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 5	**Lectures: 3**	**Practical work: 2**	
Teaching Methods: Lectures, exercises and consultations			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	**Final exam**	points
Lecture attendance	5	Written part of the exam	35
Exercise attendance	5		
Term paper	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam,			

project presentation, seminars, etc.