

Course Unit Descriptor

Study Programme: Traffic Engineering			
Course Unit Title: Sustainable Logistics			
Course Unit Code: DSSL5			
Name of Lecturer(s): Djurdjica Stojanovic			
Type and Level of Studies: PhD level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): Summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 14			
Prerequisites: None			
Course Aims: To give an insight into advanced knowledge on a role, importance and impact of logistics on environment, as well as on characteristics of reverse flows in extended supply chains			
Learning Outcomes: Students will obtain an insight into the advanced knowledge on environmental aspects in logistics, as well as on characteristics of reverse flows in extended supply chains. They will be able to use the common methods in identification and quantification of impact of logistics systems on environment.			
Syllabus: Sustainable supply chains, sustainability criteria. Logistics processes design in sustainable supply chains. Sustainable development of city logistics. Design of logistics chains in waste movement. Logistics requirements and concepts in the movement of dangerous waste. International and domestic legal sources related with transport impact on environment. Global logistics providers and sustainable concepts. Indicators and monitoring of external impact of logistics processes (transport, warehousing and packing) on environment. Identification and quantification of external logistics costs. Calculation of emissions. Sustainable development of logistics systems.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours:	Lectures:	Practical work:	
Teaching Methods: A part of lectures assumes an independent research work. The research work includes the systematization of novel knowledge and/or using appropriate methods for solving a practical problem. The research work has to be presented as the working paper. If possible, the research work and the paper should focus on the research question(s) in PhD dissertation. Lectures, consultations, research work.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Project	50	Oral part of the exam	50
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			