

Course Unit Descriptor

Study Programme: Traffic Engineering			
Course Unit Title: Supply chain management			
Course Unit Code: DSSL1			
Name of Lecturer(s): Djurdjica Stojanovic, Svetlana Nikolicic			
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: Introduction of students with the role and the importance of supply chain management in increasing companies competitiveness. Presentation of conceptual solutions for planning, control and realization of supply chains, as well as basic methods and techniques, which allows proper recognition of customer needs and development of company skills to meet those needs in a timely manner			
Learning Outcomes: Acquiring the necessary knowledge related to the effective supply chain management through understanding and implementation of wider range of analytical and simulation techniques for solving problems on operational, tactical and strategical level. Development of management skills for managing the complex relationships between links (different business functions) in the supply chain.			
Syllabus: Introduction to supply chain management. Methods of planning supply chains. Push and pull supply chain strategies. Inventory management in the supply chain. Forecasting the demand in the supply chain. Performance and parameters of supply chain. Information flow management in the supply chain. The essence of the relationship between members in the supply chain. Process coordination in the supply chain in order to achieve maximum value from the aspect of consumers. E-business in supply chain. The role and importance of modern information technology in the supply chain.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours:		Lectures:	
		Practical work:	
Teaching Methods: Lectures, consultation, project. Knowledge testing: oral exam.			
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.			