

Course Unit Descriptor

Study Programme: Traffic Engineering			
Course Unit Title: Logistics centers			
Course Unit Code: SOML4			
Name of Lecturer(s): Nikoličić Svetlana			
Type and Level of Studies: Master 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: 5			
Prerequisites: None			
Course Aims: Acquiring knowledge about the type and structure of logistics processes and logistics centers and also about the advantages of directing flows of material goods to logistics centers.			
Learning Outcomes: By completing the course student will be capable to: recognize and define the role and place of various logistics centers; define the structure of services and subsystems of logistics center, with regard to the demands of material goods flow; properly define and structure criterias for location of logistics centers; properly approach on dimensioning and technological design of logistics center.			
Syllabus: Basic types and functions of logistic centers. Development goals of logistics centers. Parameters of terminals gravitation zone. The analysis of material goods flow, that flows through the system, by logistics center. Criteria and procedure for location election of micro and macro logistics centers. The subsystem structure of logistics center. Logistics performance. Analysis of the requirements for dimensioning logistics systems. Technology and physical characteristics of the logistics centers. Integrated concept of free zone and logistic center. Examples of existing logistics centers.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 5		Lectures: 3	Practical work: 2
Teaching Methods: Lectures, exercises, consultations, debates, public presentation of term papers. Knowledge check: written and oral examination.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Lecture attendance	5	Written part of the exam	40
Exercise attendance	5	Oral part of the exam	30
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.			