

Course Unit Descriptor

<b>Study Programme:</b> Traffic Engineering			
<b>Course Unit Title:</b> Warehouse and storage			
<b>Course Unit Code:</b> DSSL3			
<b>Name of Lecturer(s):</b> Dragan Simić			
<b>Type and Level of Studies:</b> PhD level			
<b>Course Status (compulsory/elective):</b> compulsory			
<b>Semester (winter/summer):</b> Summer			
<b>Language of instruction:</b> English			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face			
<b>Number of ECTS Allocated:</b> 14			
<b>Prerequisites:</b> None			
<b>Course Aims:</b> The aim of the course is for students to master the current and advanced technical, technological and logistic concepts of warehouses and storage concepts.			
<b>Learning Outcomes:</b> Acquiring theoretical knowledge of external storage locations when it comes to site selection and warehouse design, as well as practical knowledge of internal tasks related to the determination of the role and tasks of the storage process in the procurement, manufacturing and distribution, in receipt operations, storage, processing, transfer and shipping goods from warehouses. Acceptance, in general, of the importance of warehousing in logistics.			
<b>Syllabus:</b> Anthropological dimension and evolution of storage process. The concept of storage processes. Principles of storage. Selection of warehouse location and p-hub problem. Warehouse design, basic principles. Storage technologies. Reloading equipment in stock. Storage capacities. Storage security. Logistics system and storage. Information systems for warehouse management. Motives for forming stocks, deterministic and stochastic inventory management, basic principles.			
<b>Required Reading:</b> Relevant literature in English TBD			
<b>Weekly Contact Hours:</b>		<b>Lectures:</b>	
<b>Practical work:</b>			
<b>Teaching Methods:</b> Lectures. Preparation, presentation and defense of two seminar papers. The first paper: Analysis and improvement of the existing storage system. The second paper: Design of a new storage system			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Term Paper	25	Oral part of the exam	50
Term Paper	25		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			