



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Traffic engineering, transport and logistics		
Study Module (if applicable)	-		
Course Title	Supply chain management		
Level of Study	<input type="checkbox"/> Bachelor	<input checked="" type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory	<input checked="" type="checkbox"/> Elective	
Semester	<input type="checkbox"/> Autumn	<input checked="" type="checkbox"/> Spring	
Year of Study	I		
Number of ECTS Allocated	6		
Name of Lecturer/Lecturers	Miloš S. Stojković		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input checked="" type="checkbox"/> Laboratory work	<input type="checkbox"/> Project work	<input type="checkbox"/> Seminar
	<input type="checkbox"/> Distance learning	<input type="checkbox"/> Blended learning	<input type="checkbox"/> Other

Purpose and Overview (max. 5 sentences)

The aim of the course is to understanding the importance of methods of planning and supply chain management. Students are qualified to independently due to a medley of the supply chain model, based on the given market conditions and capacity.

Syllabus (brief outline and summary of topics, max. 10 sentences)

1) The strategic framework for the analysis of supply chains: What are the supply chains? The performance of supply chains. The processes in the supply chain; 2) Design of the supply chain: Distribution Network. Factors, frameworks and models in the design of the supply chain. The application of ICT in the design of the supply chain; 3) Planning of supply and demand in the supply chain: Forecast demand. Physical planning; 4) Planning and inventory management in the supply chain: Inventory turnover in supply chains. Safety stock. Optimal levels of product availability; 5) Design and planning of transport networks.

Practical teaching: Modeling of supply chains; Only individual work on case studies of supply chains; Models of site selection and allocation of capacity; Methods for forecasting demand; Use of linear programming for Physical Planning; Methods for planning and inventory management; Methods and factors of design of transport networks

Language of Instruction

- Serbian (complete course) English (complete course) Other _____ (complete course)
- Serbian with English mentoring Serbian with other mentoring _____

Assessment Methods and Criteria

Pre exam Duties	Points	Final Exam	Points
Activity During Lectures	5	Written Examination	60 (depending on Teaching Colloquia)
Practical Teaching	5	Oral Examination	30
Teaching Colloquia	60	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			