



# UNIVERSITY OF NIŠ

**Course Unit Descriptor**

**Faculty**

Faculty of Mechanical Engineering

## GENERAL INFORMATION

Study Program	<b>Engineering Management</b>		
Study Module (if applicable)	Transport and logistics management		
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 checked="" type="checkbox"/> Autumn	<input type="checkbox"/> Spring	
Year of Study	I		
Number of ECTS Allocated	7		
Name of Lecturer/Lecturers	Goran S. Petrović		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input checked="" type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input checked="" 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.

## 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)

<b>Practical Teaching</b>	<b>5</b>	<b>Oral Examination</b>	<b>30</b>
<b>Teaching Colloquia</b>	<b>60</b>	<b>Overall Sum</b>	<b>100</b>

**\*Final examination mark is formed in accordance with the Institutional documents**