

Logistics Course

<i>Name of the subject:</i> Logistics - MSc	<i>SUBJECT code:</i>	Weekly hours: 2 lectures + 2 indoor practice	Credit: 8
<i>Subject leader:</i> Ivan Mihajlovic Nenad Milijic	<i>Academic Degree:</i> Associate Professor	Prerequisites:	

Purpose: Acquiring the necessary knowledge of the logistics of production in industrial systems.

Course description: Through the course the students will be prepared for the implementation of the basic models of logistics planning and realization of production in industrial systems. After completing the course and completed testing obligations students have the necessary starting point for mastering programs of vocational subjects in the upcoming semester and for preparing the research projects from the field of logistics.

Schedule

Weeks	Topics
1.	The system of logistics in industrial companies.
2.	Industrial logistics and organization of production.
3.	Provision of materials for company operations.
4.	Models for optimizing the order of materials – inventories modeling.
5.	Space for storing materials – warehousing.
6.	Internal and inter operational transport and material flow.
7.	Packaging, storage and distribution of finished products.
8.	Equipment for transport and material handling in the system of industrial logistics, transportation problem, information systems in logistics.
9.	Logistics in support of flexible production.
10.	Logistics sector development in the mass services.
11.	Seminar project work
12.	Seminar project work
13.	Seminar project work
14.	Seminar project work

Final grade: 10pt – class attendance – lectures; 10pt – class attendance – practical work; 10pt – seminar project; 40pt – colloquium; 30pt – final exam (<51pt fail; 51-60 grade 6; 61-70 grade 7; 71-80 grade 8; 81-90 grade 9; 91-100 grade 10)

Compulsory literature: D. J. Bloomberg, S. LeMay, J.B. Hanna, Logistics, Upper Saddle River, N.J: Prentice Hall, 2006.

Supplemental literature: Nigel Slack, Stuart Chambers, Robert Johnston, Operations Management, Prentice Hall, 8th Edition, 2013.