



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering
Study Module (if applicable)	-
Course Title	Intermodal Transport
Level of Study	<input checked="" type="checkbox"/> Bachelor <input 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	IV
Number of ECTS Allocated	8
Name of Lecturer/Lecturers	Dušan S. Stamenković, Miomir Lj. Jovanović
Teaching Mode	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Group tutorials <input type="checkbox"/> Individual tutorials <input 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

Introduce students to the basics concepts and structure of the system of intermodal transport. The course is targeting both the theoretical and practical aspects of the methodology of planning, management, control and analysis of all processes in transport chains and intermodal transport systems.

Syllabus

1) The definition and delimitation of basic concepts in intermodal transport, 2) Intermodal transport units, 3) Standardization and codification, 4) Optimization models of the package, enlarging intermodal units in the transport chain, 5) Methodology optimization of intermodal transport chains, 6) Models of analysis, forecasts and projections of cargo flows on different technologies (Container, Huckepack, Ro-Ro, etc.), 7) Legal regulations, conventions, international associations, politics, promotion and quality, 8) Application software packages for optimization of stacking and enlargement, 9) The process of formation and multi-criteria evaluation of alternative solutions transport chains, 10) The SWOT analysis for technologies and terminals.

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	0 (60)**
Practical Teaching	5	Oral Examination	30
Teaching Colloquia	20+20+20=60	Overall Sum	100
<p>*Final examination mark is formed in accordance with the Institutional documents</p> <p>**For students who do not obtain 60 points at Colloquia</p>			