



KARLOVAC UNIVERSITY OF APPLIED SCIENCES

SYLLABUS

Opći podaci o predmetu

Course title:	Applied Logistics
Studies in which the course is taught:	Management
Course Instructor:	Darko Rendulić, PhD
Course Assistant:	-
ECTS credits:	5
Semester of the course execution:	IV
Academic year:	2020/2021
Exam prerequisites:	-
Lectures are given in a foreign language:	English
Aims:	The aim of the course is to acquaint students with the basics in the field of logistics, with particular emphasis on the economic effects of the complex application of logistics procedures in Croatian entrepreneurial practice.

Ustrojstvo nastave

Vrsta nastave	Number of contact hours per week:	Number of contact hours per semester:	Student's requirements by type of teaching:
Course structure	2	30	Lectures' attendance 60% (50%)
Lectures:	2	30	Exercises' attendance 60% (50%)
Tutorials:			
Practical (lab) sessions:			
Seminars:			
Field work:			
Other:			
TOTAL:	4	60	

Monitoring of students' work, knowledge evaluation and learning outcomes

Forming a grade during the course:	LEARNING OUTCOMES (upon completion of the course the student should be able to:)	FACTORS AFFECTING THE GRADE (e.g. term paper, practical work, presentation...)	MAXIMUM NUMBER OF POINTS PER FACTOR
(define exactly six learning outcomes)	I1: Explain terms, division and basic functions of the logistics and its role in the business	presence at lectures, overviews, essays	active presence at lessons 10pts
	I2: Recognize specifics of logistics activities within business functions of the company and/or supply chain	presence at lectures, overviews, essays	continuous tests (overviews) 40pts
	I3: Distinguish organization concepts of realization of the logistics function within other business functions of the company and/or supply chain	presence at lectures, overviews, essays	essay 10pts
	I4: Evaluate effects of optimizing logistics activities through stock optimization, transport and other factors in context of business	presence at lectures, overviews, essays	teamwork on example 10pts
	I5: Explain importance and role of the contemporary information technologies in logistics	presence at lectures, overviews, essays	presentation with discussion



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	I6: Recommend efficient changes in logistics of the considered range	presentation of own examples	30pts
Alternativno formiranje konačne ocjene (I1 – I6)	or alternative formation of the grade: I1 - I6 <ul style="list-style-type: none"> • Composition – own practice example 20pts • Exam 80pts <p>Through the semester students submit 5 overviews of the previous lectures. No outcomes. Regular presence at lectures noted.</p>		TOTAL: 100 points
Students' competencies	Students will gain general and specific competences needed for execution tasks in logistics. They will be individually able to define position, evaluate weak points and suggest improvements of the logistics of the focal company according to its business understanding specifics of the logistics in the environment (home, EU, WTO...)		

Prerequisites for course approval (lecturer's signature):	60% attendance at lectures or seminar
Prerequisites for taking exams:	>40% of the pts or seminar
Grading scale:	(According to the Regulations on student assessment of Karlovac University of Applied Sciences, Article 9, Paragraph 5) 90-100 - excellent (5) (A) 80 to 89.9 - very good (4) (B) 65 to 79.9 - good (3) (C) 60 to 64.9 - sufficient (2) (D) 50 to 59.9 - sufficient (2) (E) 0 to 49.9 – fail (1) (F)

ECTS structure

ECTS credits allocated to the course reflect the total burden to the student during adoption of the course content. Total contact hours, relative gravity of the content, effort required for exam preparation, as well as, every other possible burden are taken in account:

Attendance (active participation)	Term paper	Composition	Presentation	Continuous assessment and evaluation	Practical work
0,5		0,5	1,5	2	
Independent work	Project	Written exam	Oral exam	Other - seminar	
0,5			(4)	(1)	

Review of topics/units per week associated with learning outcomes

Week	Lectures topics/units and learning outcomes:	Tutorials topics/units and learning outcomes:
1.	The concept and development of logistics. Tasks and the meaning of logistics. Scientific research methods in logistics. Strategic importance of logistics.	Introduction to the concept of logistics and scope of activities: I1
1.	Need to introduce business logistics. Basis of logistic conception.	Introduction to the business process and the role of internal and external logistics and the concept: I2
1.	Logistics within business functions.	Identifying process dependency and logistical support for business: I3
1.	Organization of logistics function.	Recognizing the peculiarities of sub-contracting organization and deployment of logistics functions:



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		I3
1.	Relationship between logistics and other functions.	Recognizing organizational constraints in performing logistics functions: I3
2.	Purchasing process (material management, purchasing, procurement, sourcing, supply management).	Distinguishing basic concepts in the procurement process and the procurement function: I3
2.	Supply Chain and Supply Chain Management - Logistic Value Chains.	Understanding the context, advantages and disadvantages of the supply chain: I3
2.	Logistics processes and logistics systems. Analysis, design and implementation of logistics system.	Analysis of business process in relation to logistics (sub) system, proposed improvement: I6
2.	Logistics companies. Transportation systems. Storage and inventory policy. Manipulation of goods.	Stock optimization and consequently transportation and handling of goods: I4
2.	Cooperation of logistics companies. International logistics systems.	Understanding the international context of business, shipping and logistics systems: I3
3.	Information technology to support logistics management - ERP.	Understanding the functioning of ERP and EDI systems in enterprise / supply chain logistics management: I5
3.	Information and communication systems. Logistics Information System - LIS.	Understanding the usefulness of applying modern IT in logistics: I5
3.	Information flows in procurement, sales and storage processes.	Overview of individual types of insurance marketing and physical distribution channels in various INCOTERMS parities: I4
3.	The necessity of applying modern information technology in logistics.	Understanding the technical and technological reach of modern information technology applications: I5
3.	Logistics and Innovative Management - SCM by IT	Understanding Supply Chain Relationships and Matching Using Modern ICTs: I6

References

REFERENCES (compulsory/additional):

- Segetlija Z., Uvod u poslovnu logistiku, Ekonomski fakultet Osijek, 2002.
Segetlija Z. i Lamza-Maronić M., Distribucijski sustav trgovinskoga poduzeća, Ekonomski fakultet Osijek, 2000.
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Šamanović J., Logistički i distribucijski sustavi, 1999.
Ferišak V., Nabava, VF1, 2002.
Garača Ž., ERP sustavi, Ekonomski fakultet u Splitu, 2009.
Luić Lj., Informacijski sustavi, VuKa, 2009.
Christopher M., Logistics and Supply Chain Management, Prentice Hall, 2005.
Stock J.R. i Lambert M., Strategic Logistics Management, Irwin, NY, 2001.
Mrnjavac, Edna, Logistički menadžment u turizmu, Fakultet za menadžment u turizmu i ugostiteljstvu Sveučilišta u Rijeci, 2010.
Magaš, Dragan, Destinacijski menadžment – modeli i tehnike, Fakultet za menadžment u turizmu i ugostiteljstvu Sveučilišta u Rijeci, 2008.

Exams in the academic year: 2019/2020

Exam dates:	According to the schedule of exams for academic year 2019/2020
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Contact information

1. Nastavnik	
1. Course Instructor/Lecturer:	darkorendulic1@gmail.com ; ☎098246868
e-mail:	A.Y. 2020/2021. one hour before the class, according



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	to the schedule of lectures by email or after lectures and exercises
Office hours / Consultations:	
2. Course Instructor/Lecturer:	
e-mail:	
Office hours / Consultations:	