

**UČNI NAČRT PREDMETA/COURSE SYLLABUS**

Predmet:	NAČRTOVANJE DISTRIBUCIJSKE LOGISTIKE
Course title:	DISTRIBUTION LOGISTICS PLANNING

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
LOGISTIKA SISTEMOV 1. Stopnja		3.	5.
SYSTEM LOGISTICS 1 <sup>st</sup> degree		3.	5.

Vrsta predmeta / Course type: IZBIRNI

Univerzitetna koda predmeta / University course code: UN

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Laboratory work	Druge oblike študija Field work	Samost. Delo Individ. Work	ECTS
24 e-P 21 a-P		24 e-V 21 a-V			90	6

Nosilec predmeta / Lecturer: ANDREJ LISEC

Jeziki / Predavanja / Lectures: SLOVENSKI / SLOVENE  
 Languages: Vaje / Tutorial: SLOVENSKI / SLOVENE

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti: Ni pogojev. Prerequisites: None.

<p>Vsebina:</p> <ul style="list-style-type: none"> <li>▪ Splošno o distribuciji.</li> <li>▪ Trajnostni in pametni razvoj transportnih sistemov.</li> <li>▪ Incoterms.</li> <li>▪ Konkurenčne prednosti in izbira transportnega operaterja.</li> <li>▪ Ključni kazalniki uspešnosti (KPI).</li> <li>▪ Evropske in svetovne transportne borze.</li> <li>▪ Posebni pogoji transporta.</li> <li>▪ Študija primera: Kmetijske oskrbovalne verige – lokalna pridelana hrana, Distribucija paketov.</li> </ul>	<p>Content (Syllabus outline):</p> <ul style="list-style-type: none"> <li>▪ Distribution.</li> <li>▪ Sustainable development and smart transport systems.</li> <li>▪ Incoterms.</li> <li>▪ Competitive advantage and choice of transport operator.</li> <li>▪ Key performance indicators (KPI).</li> <li>▪ European and global transport exchange.</li> <li>▪ Specific conditions of transportation.</li> <li>▪ Case study: Agricultural supply chain - the local produced food, packages distribution.</li> </ul>
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Temeljna literatura in viri / Readings:

E-gradivo predmeta.

Gilbert, R., Perl, A. Transport revolutions, London, 2008.

Williams, Bob. Intelligent transport systems standards. 2008.

Stough, Roger. Intelligent transport systems: cases and policies. 2001.

Mahmassani, H: Transportation and traffic theory, Elsevier science, 2005, ISBN-10: 0080446809.

Transportation Science: The publication of the Transportation Science Section of INFORMS, ISSN: 0041-1655, Linthicum, Transportation Science Section of ORSA., 1967-, COBISS.SI-ID: 26552576.

Transportation Research (part A, B, C), ISSN 0041-1647 Vol. 13, No. 1 (1979)-, Oxford, New York: Pergamon Press., 1979, COBISS.SI-ID: 26552064.

Resolucija o prometni politiki Republike Slovenije, Ljubljana, 2006.

Evropska Komisija: Evropska prometna politika do 2010: Čas za odločitev, Bruselj, 2001.

Evropska Komisija: Vmesno poročilo o učinkovitosti apliciranih ukrepov Evropske prometne politike, Bruselj, 2006.

**Cilji in kompetence:****Študenti:**

- osvojijo in razumejo pojme o distribuciji,
- razumejo generično teorijo transporta,
- se naučijo razlikovati sistemski pristop od disciplinarnega razlikovanja prometa in logistike,
- se usposobijo za koherentno uvajanje tehničnih in tehnoloških, organizacijskih in drugih znanj o inteligentnih transportnih sistemih,
- poznajo primere uporabe sistemov v praksi.

**Objectives and competences:****Students:**

- learn and understand about distribution,
- understand transport theory,
- learn to differentiate the systemic from the disciplinary approach to traffic and logistics,
- are trained to coherently integrate technical, technological and organizational knowledge on intelligent transport systems,
- are familiarized with different case studies.

**Predvideni študijski rezultati:****Znanje in razumevanje:**

- tehnologije, tehnike, organizacije in distribucije.

**Prenesljive/ključne spretnosti in drugi atributi:**

Študenti se usposobijo za uporabo teoretičnega znanja v praktičnih (poslovnih) primerih.

**Intended learning outcomes:****Knowledge and understanding:**

- technologies, techniques, organizations and distribution.

**Transferable/Key Skills and other attributes:**

Students learn to apply their theoretical knowledge to practical situations.

**Metode poučevanja in učenja:**

**Predavanja:** pri predavanjih študent spozna teoretične vsebine predmeta. Del predavanj se izvaja na klasični način v predavalnici, del pa v obliki e-predavanj (e-predavanja se lahko izvajajo na videokonferenčni način ali s pomočjo posebej v ta namen didaktično pripravljenih e-gradiv v virtualnem elektronskem učnem okolju).

**Vaje:** pri vajah študent utrdi teoretično znanje in spozna aplikativne možnosti. Del vaj se izvaja na klasični način v predavalnici, del pa v obliki e-vaj (e-vaje se lahko izvajajo na videokonferenčni način ali s pomočjo posebej v ta namen didaktično pripravljenih e-gradiv v virtualnem elektronskem učnem okolju).

**Learning and teaching methods:**

**Lectures:** students understand the theoretical frameworks of the course. Part of the lecture course is in a classroom while the rest is in the form of e-learning (e-lectures may be given via video-conferencing or with the help of specially designed e-material in a virtual electronic learning environment).

**Tutorials:** Students enhance their theoretical knowledge and are able to apply it. Part of the seminar is in a classroom while the rest is in the form of e-learning (e-tutorials may be given via video-conferencing or with the help of specially designed e-material in a virtual electronic learning environment).

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
<ul style="list-style-type: none"> <li>▪ Opravljene obveznosti e-predavanj in e-vaj so pogoj za pristop k izpitu.</li> </ul>		<ul style="list-style-type: none"> <li>▪ Successful completion of e-lectures and e-tutorials is a prerequisite for entering the exam.</li> </ul>
<ul style="list-style-type: none"> <li>▪ Pisni izpit.</li> </ul>	70 %	<ul style="list-style-type: none"> <li>▪ Written examination.</li> </ul>
<ul style="list-style-type: none"> <li>▪ Seminarska naloga – članek.</li> </ul>	30 %	<ul style="list-style-type: none"> <li>▪ A seminar work – paper.</li> </ul>

**Reference nosilca / Lecturer's references:**

1. ĐORĐEVIĆ, Lena, ANTIĆ, Slobodan, ČANGALOVIĆ, Mirjana, LISEC, Andrej. A metaheuristic approach to solving a multiproduct EOQ-based inventory problem with storage space constraints. Optimization letters, ISSN 1862-4480. [http://link.springer.com/article/10.1007/s11590-016-1009-5?wt\\_mc=internal.event.1.SEM.ArticleAuthorOnlineFirst](http://link.springer.com/article/10.1007/s11590-016-1009-5?wt_mc=internal.event.1.SEM.ArticleAuthorOnlineFirst), doi: 10.1007/s11590-016-1009-5. [COBISS.SI-ID 51275517], [JCR, SNIP, Scopus do 14. 3. 2016: št. citatov (TC): 0, čistih citatov (CI): 0]
2. ANTIC, Slobodan, DJORDJEVIC, Lena, KOSTIĆ, Konstantin, LISEC, Andrej. Dynamic discrete simulation model of an inventory control with or without allowed shortages. Scientific Bulletin. Series A, Applied mathematics and physics, ISSN 1223-7027, 2015, vol. 77, iss. 1, str. 163-176, ilustr. [http://scientificbulletin.upb.ro/rev\\_docs\\_arhiva/reza5f\\_351377.pdf](http://scientificbulletin.upb.ro/rev_docs_arhiva/reza5f_351377.pdf). [COBISS.SI-ID 512662589], [JCR, SNIP, WoS do 13. 10. 2015: št. citatov (TC): 0, čistih citatov (CI): 0]

3. LEVIČAR, Stanislav, LISEC, Andrej. Postal network reorganization with implementation of information technology. *SDMIMD journal of management*, ISSN 0976-0652, 2014, vol. 5, no. 2, str. 13-22. [COBISS.SI-ID 512642365]
4. KAVAŠ, Andreja, LISEC, Andrej. Optimized system of returnable packing in Slovenia. *Suvremeni promet*, ISSN 0351-1898, 2014, letn. 34, št. 5/6, str. 355-364, ilustr. [COBISS.SI-ID 512639293]
5. PRAH, Klemen, LISEC, Andrej, LISEC, Anka. Digital spatial data as support for river basin management : the case of Sotla river basin. *Spatium*, ISSN 1450-569X, 2013, iss. 29, str. 59-67, doi: 10.2298/SPAT1329059P. [COBISS.SI-ID 512519485], [SNIP, Scopus do 11. 11. 2013: št. citatov (TC): 0, čistih citatov (CI): 0]
6. LISEC, Andrej, RUSJAN, Borut. Multi-level postal network for improved efficiency : a case study of Slovenian post. *African journal of business management*, ISSN 1993-8233, 23 Nov. 2011, vol. 5, 29, str. 11676-11685. <http://www.academicjournals.org/ajbm/PDF/pdf2011/23Nov/Lisec%20and%20Rusjan.pdf>, doi: 10.5897/AJBM11.1781. [COBISS.SI-ID 20435430], [WoS do 3. 2. 2012: št. citatov (TC): 0, čistih citatov (CI): 0]
7. LEVIČAR, Stanislav, LISEC, Andrej. Bioplastic packaging's potential and energy efficiency = Potencial embalaže iz bioplastike in energijska učinkovitost. *Journal of energy technology*, ISSN 1855-5748. [Tiskana izd.], Oct. 2011, vol. 4, iss. 4, str. 25-34. [COBISS.SI-ID 15678005]
8. DRAGAN, Dejan, KRAMBERGER, Tomaž, LISEC, Andrej, INTIHAR, Marko, PRAH, Klemen. Using GIS for the optimization of pupils transportation : the case of Laško municipality. *Logistics & sustainable transport*, ISSN 1854-3332. [Tiskana izd.], 3. sept. 2011, vol. 2, no. 3, str. 35-51. <http://jlst.fl.uni-mb.si/index.php/journal/article/view/32>. [COBISS.SI-ID 512357437]
9. RADINJA, Bojan, LISEC, Andrej. Optimization of delivery of postal items with the use of new postcodes. *Logistics & sustainable transport*, ISSN 2232-4968. [Spletna izd.], 06-04-09, vol. 1, iss. 4, 7 str. <http://jlst.fl.uni-mb.si/index.php/journal/article/view/19>. [COBISS.SI-ID 512116797]
10. CAMPUZANO BOLARÍN, Francisco, LISEC, Andrej, ESTEBAN, Francisco Cruz Lario. Inventory cost consequences of variability demand process within a multi-echelon supply chain. *Logistics & sustainable transport*, ISSN 1854-3332. [Tiskana izd.], 2008, vol. 1, iss. 3, f. 3-14, ilustr. [http://www.jlst.org/uploads/clanek\\_paco\\_lisec\\_koncna.pdf](http://www.jlst.org/uploads/clanek_paco_lisec_koncna.pdf). [COBISS.SI-ID 264152064]
11. LISEC, Andrej, ROSI, Bojan, KAVRAN, Zvonko. Holistic thinking aproach : case study of post network in Slovenia. *Promet*, ISSN 0353-5320, 2008, vol. 20, no. 2, str. 79-86. [COBISS.SI-ID 512066621], [JCR, SNIP, WoS do 17. 1. 2013: št. citatov (TC): 2, čistih citatov (CI): 2, Scopus do 9. 10. 2016: št. citatov (TC): 3, čistih citatov (CI): 3]
12. LISEC, Andrej, RIHTER, Andrej. Logistical operations in postal logistics centres. *Logistics & sustainable transport*, ISSN 1854-3332. [Tiskana izd.], 05-10-07, vol. 1, iss. 2, 12 str. <http://jlst.fl.uni-mb.si/index.php/journal/article/view/10>. [COBISS.SI-ID 11730454]
13. LISEC, Andrej, BOGATAJ, Marija. The four-level distribution of parcel delivery with retention. *Suvremeni promet*, ISSN 0351-1898, svi./kol. 2007, god. 27, br. 3/4, str. 199-202. [COBISS.SI-ID 17294822]
14. LISEC, Andrej, BOGATAJ, Marija. Combinatorial programming approach to postal systems : the case of parcel network in Slovenia. *Suvremeni promet*, ISSN 0351-1898, sij.-tra. 2006, vol. 26, no. 1-2, str. 116-119. [COBISS.SI-ID 16324838]
15. LISEC, Andrej, FERBAR TRATAR, Liljana, BOGATAJ, Marija. Regionalni vidiki optimizacije prenosa paketov na Pošti Slovenije : primer aplikacije na poslovno enoto Novo mesto. *Economic and business review*, ISSN 1580-0466. [Tiskana izd.], 2005, vol. 7, pos. št., str. 35-55. [COBISS.SI-ID 5301022]