

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

**Ime predmeta:** OBVLADOVANJE VREDNOSTNE VERIGE V LOGISTIKI  
**Course title:** LOGISTICS VALUE-CHAIN MANAGEMENT

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
LOGISTIKA SISTEMOV 2. stopnja		1.	2.
SYSTEM LOGISTICS 2 <sup>nd</sup> degree		1.	2.

**Vrsta predmeta (obvezni ali izbirni) /  
Course type (compulsory or elective)**

OBVEZNI  
COMPULSORY

**Univerzitetna koda predmeta / University course code:**

MAG

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
24 e-P 21 a-P		10 e-V 30 a-V			125	7

**Nosilec predmeta / Course coordinator:**

ROSI BOJAN

**Jeziki /Languages:**

**Predavanja / Lectures:** SLOVENSKI/SLOVENE

**Vaje / Tutorial:** SLOVENSKI/SLOVENE

**Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:**

Ni pogojev.

**Prerequisites for enrolling in the course or for performing study obligations:**

None.

**Vsebina (kratek pregled učnega načrta):**

- Opredelitev vrednostne verige oskrbne verige
- Logistični stroški in oskrbne verige
- Presojanje poslovnih izkazov
- Ekonomski kazalniki poslovanja
- Kontroling
- Integriran sistem vrednostne verige
- Obvladovanje stroškov v globalnih oskrbnih verigah

**Content (syllabus outline):**

- Value chains identification of SC
- Logistics costs and supply chains
- Business results analysis
- Economic business indicators
- Controlling
- Integrated value-chain system
- Managing costs in global supply chains

**Temeljni literatura in viri / Reading materials:**

E-gradivo predmeta.  
 Hanfield, R; Nicholas, E.: Transforming supply chains into integrated value systems. 2002. FT Press.  
 Wisner, J.; Stanley, L.: Creating value along the supply chain. 2007. Thomson, Mason, USA.  
 Christopher, M.: Logistics and supply chain management: Creating value-adding networks. 2005. Pearson education limited, London.  
 Melavc, D.: Controlling, 2007, Moderna organizacija, Kranj.  
 Rebernik, M.: Ekonomika podjetja. EPF.

**Cilji in kompetence:**

<p>Študenti:</p> <ul style="list-style-type: none"> <li>▪ spoznajo in razumejo vrednostne verige,</li> <li>▪ poglobljeno analizirajo logistične stroške,</li> <li>▪ poglobljeno analizirajo poslovne izkaze,</li> <li>▪ razumejo finančne kazalnike,</li> <li>▪ uporabljajo metode presojanja vrednostne verige.</li> </ul>
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**Objectives and competences:**

<p>Students will get knowledge and will understand:</p> <ul style="list-style-type: none"> <li>▪ value chains,</li> <li>▪ logistics costs,</li> <li>▪ business results,</li> <li>▪ financial indicators,</li> <li>▪ methods of value-chain analysis.</li> </ul>
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**Predvideni študijski rezultati:**

<p>Znanje in razumevanje:</p> <ul style="list-style-type: none"> <li>▪ pomena obvladovanja logističnih stroškov v celoviti oskrbni verigi,</li> <li>▪ poslovnih izkazov,</li> <li>▪ kontrolinga v oskrbnih verigah.</li> </ul> <p>Prenesljive/ključne spretnosti in drugi atributi: Študenti se usposobijo za uporabo teoretičnega znanja v praktičnih (poslovnih) primerih.</p>
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**Intended learning outcomes:**

<p>Knowledge and understanding of:</p> <ul style="list-style-type: none"> <li>▪ the importance for managing logistics costs in supply chains,</li> <li>▪ business results,</li> <li>▪ controlling in business chains.</li> </ul> <p>Transferable/Key Skills and other attributes: Students learn to apply theoretical knowledge to practice.</p>
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**Metode poučevanja in učenja:**

<p>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).</p> <p>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).</p>
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**Learning and teaching methods:**

<p>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).</p> <p>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).</p>
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<b>Načini ocenjevanja:</b>	<b>Delež (v %) / Share (in %)</b>	<b>Assessment methods:</b>
Opravljeni obveznosti e-predavanj in e-vaj so pogoj za pristop k izpitu.		Successful completion of e-lectures and e-tutorials is a prerequisite for entering the exam.
Pisni izpit,	80%	Written examination,
vaje in	10%	tutorials and
zagovor seminarske naloge.	10%	presentation of a seminar work.

**Reference nosilca / Course coordinator's references:**

<p>1. DRAGAN, Dejan, ROSI, Bojan, AVŽNER, Toni. Synergies between an observed port and a logistic company : application of the discounted cash-flow model and the Monte Carlo simulation. <i>Logistics &amp; sustainable</i></p>
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- transport*, ISSN 2232-4968. [Spletna izd.], May 2017, vol. 8, no. 1, str. 1-18, ilustr. <https://doi.org/10.1515/jlst-2017-0001>, doi: [10.1515/jlst-2017-0001](https://doi.org/10.1515/jlst-2017-0001). [COBISS.SI-ID [512846141](#)].
2. STERNAD, Marjan, JAGRIČ, Timotej, ROSI, Bojan. Railway usage charges based on marginal maintenance costs. *Proceedings of the Institution of Civil Engineers - Transport*, ISSN 1751-7710. [Online ed.] <http://dx.doi.org/10.1680/jtran.15.00058>, doi: [10.1680/jtran.15.00058](https://doi.org/10.1680/jtran.15.00058). [COBISS.SI-ID [512834877](#)], [JCR, SNIP].
  3. STERNAD, Marjan, JAGRIČ, Timotej, ROSI, Bojan. Estimating marginal infrastructure cost in new infrastructure charging model. *Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku*, ISSN 1330-3651, 2017, god. 24, br. 3, str. 829-836, ilustr. [http://hrcak.srce.hr/index.php?show=clanak&id\\_clanak\\_jezik=269882](http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=269882), doi: [10.17559/TV-20160218095139](https://doi.org/10.17559/TV-20160218095139). [COBISS.SI-ID [512850749](#)], [JCR, SNIP, WoS do 25. 7. 2017: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 25. 7. 2017: št. citatov (TC): 0, čistih citatov (CI): 0].
  4. ROSI, Bojan, GRAŠIČ, Leon, ĐUKIĆ, Goran, OPETUK, Tihomir, LERHER, Tone. Simulation-based performance analysis of automated single-tray vertical lift module. *International journal of simulation modelling*, ISSN 1726-4529, March 2016, vol. 15, no. 1, str. 97-108, ilustr. [http://w.ijssimm.com/Full Papers/Fulltext2016/text15-1\\_97-108.pdf](http://w.ijssimm.com/Full%20Papers/Fulltext2016/text15-1_97-108.pdf). [COBISS.SI-ID [512756285](#)], [JCR, SNIP, WoS do 27. 8. 2017: št. citatov (TC): 4, čistih citatov (CI): 4, Scopus do 30. 7. 2017: št. citatov (TC): 4, čistih citatov (CI): 4].
  5. LERHER, Tone, EKREN, Banu Y., SARI, Zaki, ROSI, Bojan. Method for evaluating the throughput performance of shuttle based storage and retrieval systems. *Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku*, ISSN 1330-3651, 2016, vol. 23, no. 3, str. 715-723, ilustr. [http://hrcak.srce.hr/index.php?show=toc&id\\_broj=12884&lang=en](http://hrcak.srce.hr/index.php?show=toc&id_broj=12884&lang=en), doi: [10.17559/TV-20141022121007](https://doi.org/10.17559/TV-20141022121007). [COBISS.SI-ID [512778813](#)], [JCR, SNIP, WoS do 27. 8. 2017: št. citatov (TC): 3, čistih citatov (CI): 1, Scopus do 31. 8. 2017: št. citatov (TC): 4, čistih citatov (CI): 2].
  6. GRAŠIČ, Leon, LERHER, Tone, ROSI, Bojan. Evaluating costs of vehicle use in military logistics. *Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku*, ISSN 1330-3651, Nov./Dec. 2016, god.=Vol. 23, br.=no. 6, str. 1679-1686, ilustr. <http://hrcak.srce.hr/169357>, doi: [10.17559/TV-20150522141708](https://doi.org/10.17559/TV-20150522141708). [COBISS.SI-ID [512822333](#)], [JCR, SNIP, WoS do 24. 1. 2017: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 24. 1. 2017: št. citatov (TC): 0, čistih citatov (CI): 0].
  7. LERHER, Tone, EKREN, Banu Y., ĐUKIĆ, Goran, ROSI, Bojan. Travel time model for shuttle-based storage and retrieval systems. *The international journal of advanced manufacturing technology*, ISSN 1433-3015, Jun. 2015, vol. 78, iss. 9-12, str. 1705-1725. <http://dx.doi.org/10.1007/s00170-014-6726-2>, doi: [10.1007/s00170-014-6726-2](https://doi.org/10.1007/s00170-014-6726-2). [COBISS.SI-ID [512615485](#)], [JCR, SNIP, WoS do 24. 9. 2017: št. citatov (TC): 17, čistih citatov (CI): 11, Scopus do 12. 11. 2017: št. citatov (TC): 17, čistih citatov (CI): 11].