

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

Predmet:	UPRAVLJANJE IN VODENJE ZELENE OSKRBOVALNE VERIGE
Course title:	MANAGEMENT IN GREEN SUPPLY CHAINS

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Gospodarska in teh. logistika 1.stopnja		2.	4.
1.degree		2.	4.

Vrsta predmeta / Course type: OBVEZNI

Univerzitetna koda predmeta / University course code: VS2

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: BOJAN ROSI

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

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

Prerequisites:

Ni pogojev.

None

Vsebina:

Content (Syllabus outline):

- Upravljanje, management in vodenje v logističnih podjetjih
- Zelena logistika in njeni paradoksi
- Zelena oskrbovalna veriga
- Zelene logistika v logističnih podsistemih
  - Zelena nabavna logistika
  - Zelena notranja (proizvodna) logistika
  - Zelena skladiščna logistika
  - Zelena distribucijska logistika
  - Zelena poprodajna logistika
  - Razbremenilna logistika in ravnanje z odpadki
- Varstvo okolja
- Okoljski stroški

- Governance, management and leadership in logistics companies
- Green Logistics and its paradoxes
- Green supply chain
- Green logistics in logistics subsystems
  - Green Purchasing Logistics
  - Green internal (manufacturing) logistics
  - Green Warehouse logistics
  - Green Distribution Logistics
  - Green after sales logistics
  - Reverse logistics and waste management
- Protection of the environment
- Environmental costs

- Zelene tehnologije in alternativni viri energije v logističnih procesih

- Green technologies and alternative energy sources in logistics processes

Knez M., (2013) Zelene oskrbovalne verige. E-gradivo – v pripravi . Univerza v Mariboru, Fakulteta za logistiko.  
 McKinnon A., Browne M., Whiteing A. (2012) Green Logistics, Improving the Environmental Sustainability of Logistics.  
 Makower J., 2009. Strategies for the Green Economy. McGrawHill, New York.  
 MacKinnon D., Shaw J., Docherty I. ( 2008) Diverging Mobilities? Devolution, Transport and policy Innovation. Elsevier.  
 Esty D.C., Winston A.S. (2009)Green to Gold. How smart companies use environmental strategy to innovate, create value, and build competitive advantage. John Wiley & Sons, Inc. Hoboken New Jersey.  
 Plevnik A. (2008) Okolje in promet: Slovenija. Ministrstvo za okolje in prostor, Agencija Republike in Slovenije za okolje.  
 Cetinkaya B., Cuthbertson R., Ewer G., Klass-Wissing T., Piotrowicz W., Tyssen C. (2011) Sustainable Supply Chain Management. Springer-Verlag Berlin Heidelberg.  
 Dodatna literatura: Izbrani članki ter nova izdana literatura s področja predmeta

**Cilji in kompetence:**

**Cilj tega predmeta je:**

- razumevanje pojmov: upravljanje, management, vodenje, zelena logistika, zelena oskrbovalna veriga, management zelenih trajnostnih oskrbovalnih verig, okoljski stroški,
- razumevanje in pomen varstva okolja ter okoljskih zahtev, ki jih postavlja moderna in trajnostna družba,
- spoznati okoljsko zakonodajo in okoljske standarde,
- spoznati alternativne vire energije in nove, zelene tehnologije prihodnosti ter njihovo integracijo v logistične procese

**Objectives and competences:**

**The objective of the course is:**

- understanding of concepts: governance, management, leadership, green logistics, green supply chain, green sustainable management of supply chains, environmental costs
- understanding and importance of environmental protection and environmental requirements imposed by modern and sustainable society,
- to recognize environmental legislation and environmental standards,
- to identify alternative sources of energy and new green technologies of the future and their integration into logistics processes

**Predvideni študijski rezultati:**

**Znanje in razumevanje:**

- razumevanje poslovanja logističnih in nelogističnih podjetij v moderni in trajnostno naravnani družbi,
- poznavanje pojmov s področja upravljanja, management, vodenja, zelene logistike in managementa zelenih trajnostnih oskrbovalnih verig,

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

- študenti se usposobijo za uporabo teoretičnega znanja v praktičnih primerih

**Intended learning outcomes:**

**Knowledge and understanding:**

- understanding operations of logistics and “nonlogistics companies in modern and sustainable society
- understanding key concepts of governance, management, leadership, green logistics and management of sustainable green supply chains,

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

- the ability to apply theoretical knowledge to professional practice.



**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-predavanj (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)
- Seminars: 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-seminars 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>• Seminarska naloga in domače naloge</li> <li>• Pisni izpit</li> </ul>	<p>30 70</p>	<ul style="list-style-type: none"> <li>• Coursework and home work</li> <li>• Written examination</li> </ul>

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

1. JEREB, Borut, IVANUŠA, Teodora, ROSI, Bojan. Systemic thinking and requisite holism in mastering logistics risks : the model for identifying risks in organisations and supply chain. *Amfiteatru econ.*, Feb. 2013, vol. 15, no. 33, str. 56-73, tabele. <http://www.amfiteatruconomic.ro/ArticolEN.aspx?CodArticol=1175>. [COBISS.SI-ID [512476221](#)]
2. JEREB, Borut, CVAHTE, Tina, ROSI, Bojan. Mastering supply chain risks. *Advanced engineering*, 2012, year 6, no. 2, str. 157-170, tabele. [COBISS.SI-ID [512476477](#)]
3. KNEZ, Matjaž, PREDIN, Andrej, ROSI, Bojan. 'Forklift to grid' - how to synergise the electricity and logistics sectors = 'Viličar na omrežje' - kako sinergijsko povezati električno omrežje z logističnim sektorjem. *Journal of energy technology*, May 2012, vol. 5, iss. 2, str. 13-27. [http://www.fe.uni-mb.si/images/stories/jet/e-jet/jet\\_5-2.pdf](http://www.fe.uni-mb.si/images/stories/jet/e-jet/jet_5-2.pdf). [COBISS.SI-ID [1024091228](#)]
4. ROSI, Bojan, TOJNKO, Miran, CVAHTE, Tina, LERHER, Tone, JEREB, Borut, BÁLINT ČEH, Júlia. Load fastening and securing. *Logistics & sustainable transport*. [Spletna izd.], letn. 3, št. 1, str. 53-57, ilustr. <http://www.jlst.org/>. [COBISS.SI-ID [799904](#)]
5. KNEZ, Matjaž, PREDIN, Andrej, ROSI, Bojan. Poslovni model OVE/F2G V.1 za učinkovitejši energetski menedžment logističnih podjetij. *Proj. mreža Slov.*, apr. 2012, letn. 15, št. 1, str. 10-17, 43, ilustr. [COBISS.SI-ID [1024084572](#)]
6. JEREB, Borut, CVAHTE, Tina, ROSI, Bojan. Mastering supply chain risks. *Serb. J. Manag.*, 2012, vol. 17, no. 2, str. [271]-285, ilustr., tabela. [http://aseestant.ceon.rs/index.php/sjm/article/view/1360/pdf\\_3](http://aseestant.ceon.rs/index.php/sjm/article/view/1360/pdf_3), doi: [10.5937/sjm7-1360](https://doi.org/10.5937/sjm7-1360). [COBISS.SI-ID [512470333](#)]

**7.** JEREB, Borut, CVAHTE, Tina, ROSI, Bojan. Prepoznavanje in analiza tveganj v oskrbovalnih verigah. *Proj. mreža Slov.*, dec. 2011, letn. 9 [i. e. 14], št. 4, str. 4-12. [COBISS.SI-ID [15689781](#)]

**8.** STERNAD, Marjan, KNEZ, Matjaž, ROSI, Bojan. Improving city transport with the objective to reduce CO<sub>2</sub> emissions. *Transport problems*, 2010, vol. 5, iss. 4, str. 95-103.  
[http://transportproblems.polsl.pl/pl/Archiwum/2010/zeszyt4/2010t5z4\\_12.pdf](http://transportproblems.polsl.pl/pl/Archiwum/2010/zeszyt4/2010t5z4_12.pdf). [COBISS.SI-ID [512283197](#)]

**9.** ANDROJNA, Andrej, BIZJAK, Robert, ROSI, Bojan. Maintenance supply chain for nuclear power plants : information technology support for human resources management. *Logistics & sustainable transport*. [Tiskana izd.], 2009, vol. 1 [!], iss. 4, str. 14-23, ilustr.  
<http://www.jlst.org/uploads/maintenance%20supply%20chain%20for%20nuclear%20power%20plants.pdf>. [COBISS.SI-ID [264167424](#)]

**10.** ROSI, Bojan, MULEJ, Matjaž. Diminishing traffic negative impacts over natural environment by a requisitely holistic approach to logistics. *Logistics & sustainable transport*. [Tiskana izd.], 2008, vol. 1, no. 1, str. [1-13].  
[http://www.jlst.org/uploads/transportokolje\\_rosimulej.pdf](http://www.jlst.org/uploads/transportokolje_rosimulej.pdf). [COBISS.SI-ID [264130048](#)]