

21. 01. 2025

UČNI NAČRT UČNE ENOTE / COURSE SYLLABUS

Učna enota:	TRAJNOSTNE OSKRBOVALNE VERIGE
Course title:	SUSTAINABLE SUPPLY CHAINS

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Upravljanje podeželja, 1. stopnja		3.	6.
Landscape management, 1 st level		3.	6.

Vrsta učne enote / Course type izbirni/elective

Univerzitetna koda učne enote / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	30		-	90	5

Nosilec učne enote / Lecturer: Andrej Lisec

Jeziki / Languages:	Predavanja / Lectures:	slovenščina/Slovenian
	Vaje / Tutorial:	slovenščina/Slovenian

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

Vsebina:	Content (Syllabus outline):
Povezava med logistiko in oskrbovalnimi verigami. Koncept oskrbovalnih verig. Upravljanje oskrbovalnih verig. Motnje in odpornost oskrbovalnih verig. Nastajajoči trendi v oskrbovalnih verigah. Trajnostni razvoj, digitalizacije in/ali večanje odpornosti v oskrbovalnih verigah. Zeleni in digitalni prehod v oskrbovalnih verigah v kmetijstvu.	The link between logistics and supply chains. The concept of supply chains. Supply chain management. Disruption and resilience of supply chains. Emerging trends in supply chains. Sustainable development, digitization and/or increasing resilience in supply chains. Green and digital transition in agricultural supply chains.

Temeljni literatura in viri / Readings:

Obvezna literatura / Required reading(s):
 Coyle, J.J. (2003): The management of business logistics ;Mason Ohio South-Western/Thomas Learning.

Priporočena literatura/ Recommended reading(s):
 Čižman, A. (2002): Logistični management v organizaciji, Moderna organizacija.
 Vodopivec, R. (2008): *Logistične storitve in državna regulativa*. 1. izd. Celje: Fakulteta za logistiko;
 Šempeter pri Gorici: Medifas, Mediteranski inštitut za sodobne študije,120 str., Graf. prikazi, tab. ISBN 978-961-6562-19-5.
 Vodopivec, R. (2008): *Ekonomska teorija v logistiki*. 1. izd. Celje: Univerza v Mariboru; Fakulteta za logistiko, Medifas; Mediteranski inštitut za sodobne študije, 103 str., ilustr., graf. prikazi, tab. ISBN 978-961-6562-18-8.
 Gourdin, K.N. (2001): Global logistics management. Oxford: Blackwell Business.
 Chopra, S., Meindl, P. (2001): Supply Chain Management: strategy, planning and operation, Prantice-Hall, New Jersey.
 Christopher, M. (1998): Logistics and Supply Chain Management, Strategies for Reducing Cost and Improving Service, Prentice Hall, London, San Francisco, Singapore, Munich.
 Lambert M. Douglas, Stock R. James, Ellram M. Lisa (1998): Fundamentals of Logistics Management, McGraw-Hill.

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Cilji in kompetence:

Cilj učne enote je seznaniti študente z osnovnimi kategorijami logistike. Učna enota je strukturirana tako, da študentom omogoča osnovno razumevanje logističnih kategorij, ki so potrebne za razumevanje drugih poslovno-organizacijskih predmetov. Študentje se naučijo razumeti soodvisnost med kmetijsko proizvodnjo in logistiko. Poslovno, organizacijsko razumevanje je temeljno za razumevanje uspešnih poslovnih procesov v podjetjih. Študentje se seznanijo s temeljnimi pojmi oskrbovalnih verig. Spoznajo aktualne izzive in praktične rešitve za zeleni in digitalni prehod. Aplikativna uporaba znanj, ki jih študent pridobi tekom študija, pridobivanje komunikacijskih spretnosti, dela v timu.

Objectives and competences:

The goal of the course is to acquaint the students with basic categories of Logistics. The course is structured so that enables students to get basic understanding of logistics categories, which are necessary for understanding other business-organizational courses. Students are taught to understand the interdependence between agriculture production and logistics. Business, organizational comprehension is fundamental for understanding successful business processes in enterprises. Students become familiar with the fundamental concepts of supply chains. They learn about current challenges and practical solutions for the green and digital transition. Applicative use of the knowledge that the student acquires during his studies, acquisition of communication skills, working in a team.

Predvideni študijski rezultati:

Znanje in razumevanje:

Študent je ob koncu študija sposoben integrirati rešitve za zeleni ali digitalni prehod in oskrbovalne verige.

Intended learning outcomes:

Knowledge and Understanding:

At the end of the course, the student is able to integrate solution for the green transition and supply chain.

Metode poučevanja in učenja:

Klasična, avditorna predavanja. Predstavitve, obravnava praktičnih primerov, predstavitve samostojnih analiz študentov, aktivno skupinsko delo. Seminarske vaje.

E-izobraževanje (e-predavanja in e-vaje se lahko izvajajo v virtualnem elektronskem učnem okolju ali s pomočjo posebej v ta namen didaktično pripravljenih e-gradiv v virtualnem elektronskem učnem okolju).

Learning and teaching methods:

Classical, classroom lectures. Practical work at tutorials, case studies, students' presentations of independent analyses, and team work with active participation. Seminars.

E-learning (e-lectures and e-exercises can be carried out in a virtual electronic learning environment or with the help of specially prepared didactically prepared e-materials in a virtual electronic learning environment).

Načini ocenjevanja:

Pisni izpit.
Seminarska naloga (predstavitev in zagovor seminarske naloge).

Študent/študentka mora pred pristopom k izpitu izdelati seminarsko nalogo in jo zagovarjati.

Delež (v %) /
Weight (in %)

Assessment:

Written examination.
Seminar work (presentation and defence of a seminar paper).

The student must work, and defend his/her seminar paper as a prerequisite for his/her final exam.

Reference nosilca / Lecturer's references:

ANTIĆ, Slobodan, DJORDJEVIC MILUTINOVIC, Lena, LISEC, Andrej. Dynamic discrete inventory control model with deterministic and stochastic demand in pharmaceutical distribution. *Applied sciences*. 2020, vol. 12, iss. 3, str. [1]-27, ilustr. ISSN 2076-3417. <https://doi.org/10.3390/app12031536>, DOI: [10.3390/app12031536](https://doi.org/10.3390/app12031536). [COBISS.SI-ID [95844355](#)], [JCR, SNIP, WoS do 18. 5. 2023: št. citatov (TC): 6, čistih citatov (CI): 6, čistih citatov na avtorja (CIAu): 2,00, Scopus do 12. 6. 2023: št. citatov (TC): 7, čistih citatov (CI): 7, čistih citatov na avtorja (CIAu): 2,33]

VIMPOLŠEK, Boštjan, LISEC, Andrej. CATWOOD - reverse logistics process model for quantitative assessment of recovered wood management. *Promet*. [Print ed.]. 2022, vol. 34, no. 6, str. 881-892, ilustr. ISSN 0353-5320. <https://traffic2.fpz.hr/index.php/PROMTT/article/view/149>, DOI: [/10.7307/ptt.v34i6.4101](https://doi.org/10.7307/ptt.v34i6.4101). [COBISS.SI-ID [132965635](#)], [JCR, SNIP]

VIMPOLŠEK, Boštjan, ANDROJNA, Andrej, LISEC, Andrej. Modelling of post-consumer wood sorting and manipulation : computational conception and case study. *Wood research*. 2022, vol. 67, no. 3, str. 472-487. ISSN 2729-8906. DOI: [10.37763/wr.1336-4561/67.3.472487](https://doi.org/10.37763/wr.1336-4561/67.3.472487). [COBISS.SI-ID [114020611](#)], [JCR, SNIP, WoS do 18. 1. 2023: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0,33]

ĐORĐEVIĆ MILUTINOVIĆ, Lena, MAKAJIĆ-NIKOLIĆ, Dragana, ANTIĆ, Slobodan, ŽIVIĆ, Marija, LISEC, Andrej. Control model for ground crew scheduling problem at small airports : case of Serbia. *Transport*. [Online ed.]. 2021, vol. 36, iss. 3, str. [235]-245, ilustr. ISSN 1648-3480. <https://doi.org/10.3846/transport.2021.15369>, DOI: [10.3846/transport.2021.15369](https://doi.org/10.3846/transport.2021.15369). [COBISS.SI-ID [78039811](#)], [JCR, SNIP, WoS do 14. 4. 2023: št. citatov (TC): 3, čistih citatov (CI): 3, čistih citatov na avtorja (CIAu): 0,60, Scopus do 8. 12. 2022: št. citatov (TC): 3, čistih citatov (CI): 3, čistih citatov na avtorja (CIAu): 0,60]

LISEC, Andrej, LISEC, Klemen, OBRECHT, Matevž. Cost and safety aspects of using electric and hybrid vehicles in local food supply chain. *Production Engineering Archives*. 30. Dec. 2019, vol. 25, iss. 25, str. 35-38, ilustr. ISSN 2353-7779. <https://doi.org/10.30657/pea.2019.25.06>, DOI: [10.30657/pea.2019.25.06](https://doi.org/10.30657/pea.2019.25.06). [COBISS.SI-ID [513087805](#)], [SNIP, WoS do 18. 10. 2022: št. citatov (TC): 3, čistih citatov (CI): 3, čistih citatov na avtorja (CIAu): 1,00, Scopus do 15. 6. 2022: št. citatov (TC): 5, čistih citatov (CI): 5, čistih citatov na avtorja (CIAu): 1,67]