

21. 01. 2025

UČNI NAČRT UČNE ENOTE / COURSE SYLLABUS

Učna enota: Course title:	LOGISTIKA V KMETIJSTVU LOGISTICS IN AGRICULTURE
------------------------------	--

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Upravljanje podeželja, 1. stopnja		2.	3.
Landscape management, 1 st level		2.	3.

Vrsta učne enote / Course type:

Univerzitetna koda učne enote / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
45	-	30		-	75	5

Nosilec učne enote / Lecturer:

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

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

Prerequisites:

Vsebina:

Oprelitev logistike in njena vloga v gospodarstvu, področja, ki jih obravnava logistika.
Oprelitev logističnega upravljanja- (načrtovanja in strateškega odločanja).
Razvoj logistike.
Oprelitev oskrbovalnih verig.
Organizacija poslovnega sistema in vloga logistike v organizaciji-podjetja.
Ključne logistične aktivnosti, logistični sistemi in podsistemi proizvodnega podjetja.
Temeljni odločitve o izbiri transportnih storitev.
Značilnosti različnih transportnih panog. Dejavniki transportnih stroškov in optimiziranje stroškov v logističnem sistemu. Kakovost transportnih storitev in izbor ustreznega transporta.
Logistični procesi v organizaciji in upravljanje z zalogami, JIT, JIC. Temeljni model optimalne naročilne količine. Skladiščenje in manipulacija, stroški skladiščenja in tarife.
Uporaba ABC analize za optimiziranje zalog.
Nabavna, notranja, distribucijska in poprodajna logistika.
Logistični informacijski sistem in izboljšanje učinkovitosti delovanja notranjih in zunanjih logističnih informacijskih sistemov.
Menedžment oskrbovalne verige, načrtovanje in kontrola v oskrbovalni verigi.
Vpliv globalizacije in globalne oskrbovalne verige.
Samooskrba.

Content (Syllabus outline):

Fundamental concepts of Logistics, and its role in economy, areas dealt with by Logistics.
Definition of logistics management (planning and strategic decision making).
Development of Logistics.
Defining the Supply Chains.
Organizing the business processes and role of Logistics in the enterprise.
Fundamental logistics activities, logistics systems and sub systems of production enterprises.
Transport fundamentals - service choices.
Characteristics of different transport industries.
Transport cost factors and cost optimization in the logistics system. Quality of transport services and selection of appropriate transport.
Logistics activities and management of inventories, JIT, JIC. Basic model of inventory purchasing and supply scheduling decisions. The storage and handling system of costs and rates.
Using ABC analysis in order to optimize inventories.
Purchasing, order processing, distribution, reverse logistics.
Logistics information system and better effectiveness of internal and external logistics information system.
Managing the supply chain, planning and control in the supply chain.
Impact of globalization and global supply chain.

21. 01. 2025

Hladna veriga.
Sodobni logistični procesi v kmetijstvu - dostava z droni.

Self-sufficiency.
Cold chain.
Modern logistics processes in agriculture - delivery with drones.

Temeljni literatura in viri / Readings:

Obvezna literatura / Required reading(s):
Lisec, A.: (2022): Logistika v kmetijstvu, Univerza v Mariboru.

Priporočena literatura/ Recommended reading(s):
Coyle, J.J. (2003): The management of business logistics; Mason Ohio South-Western/Thomas Learning.
Čižman, A. (2002): Logistični management v organizaciji, Moderna organizacija.
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.

Cilji in kompetence:

Študentje se seznanijo s temeljnimi kategorijami v Logistiki. Učna enota je zasnovana tako, da bi študentje dobili osnove za razumevanje temeljnih logističnih vsebin, ki so nujne za razumevanje ostalih poslovno organizacijskih predmetov. Povezovanje proizvodnje v kmetijstvu in poslovno organizacijskih spoznanj je nujno za razumevanje uspešnega gospodarjenja v podjetju.

Objectives and competences:

The goal of the course is to acquaint the students with basic categories of Logistics. The course is structured in such a way that it enables students to get basic understanding of logistics categories, which are necessary for understanding other business-organizational courses. Students are taught to understand the interconnectedness between agriculture production and business-organizational comprehension, which is fundamental for understanding successful business processes in enterprises.

Predvideni študijski rezultati:

Znanje in razumevanje:
Študent je ob koncu študija sposoben razumevanja osnovnih pojmov s področja logistike.
Razumevanje in uporaba obravnavane tematike z zmožnostjo analize problemov in systemskega razmišljanja.

Intended learning outcomes:

Knowledge and Understanding:
At the end of the course, the student is able to understand fundamentals of basic categories of Logistics.
Understanding and use of the discussed subject with the ability of problem analysis and systems thinking.

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, auditorial (classroom) lectures.
Practical work at tutorials, case studies, students' presentations and team work with active participation.
Seminars.

E-learning (e-lectures and e-tutorials may be held in a virtual electronic learning environment or with the help of specially designed e-material in a virtual electronic learning environment).

21. 01. 2025

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Pisni izpit. Seminarska naloga (predstavitev in zagovor seminarske naloge). Študent/študentka mora pred pristopom k izpitu izdelati seminarsko nalogo in jo zagovarjati.	70 30	Written examination. Seminar paper (presentation and defence). Prior to taking the examination, the student has to write and defend their seminar paper.

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]