UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Ime predmeta:	POVRATNA LOGISTIKA
Course title:	REVERSE LOGISTICS

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
LOGISTIKA SISTEMOV 3. stopnja		1.	1. in 2.
SYSTEM LOGISTICS 3rd degree		1.	1. in 2.

Vrsta predmeta (obvezni ali izbirni) / Course type (compulsory or elective)	IZBIRNI ELECTIVE
Univerzitetna koda predmeta / University course code:	DR

Predavanja Lectures	Seminar Seminar	Vaje Tutorial			Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
		AV	LV	RV				
20							160	6

Nosilec predmeta / Course coordinator:	**ANDREJ LISEC**
Jeziki /Languages:	**Predavanja / Lectures:** SLOVENSKI/SLOVENE
	Vaje / Tutorial: SLOVENSKI/SLOVENE

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites for enrolling in the course or for performing study obligations:**
Ni posebnih omejitev.	No special conditions.

Vsebina (kratek pregled učnega načrta):	**Content (syllabus outline):**
• Pomen reverzibilne logistike v logistični verigi. • Sodobni trendi reverzibilne logistike. • Embalaža za večkratno uporabo. • Recikliranje. • Problematika nevarnih odpadkov. • Načrtovanje in modeliranje odvoza odpadkov.	• The importance of reversible logistics in the logistics chain. • Modern trends in reversible logistics. • Reusable packaging. • Recycling. • Problems of hazardous waste. • Planning and modelling of waste removal.

Temeljni literatura in viri / Reading materials:

- Harald Dyckhoff, Richard Lackes, Joachim Reese (2004) Supply Chain Management and Reverse Logistics, Springer Science & Business Media, Business & Economics.
- Rommert Dekker, Moritz Fleischmann, Karl Inderfurth, Luk N. van Wassenhove (2004) Reverse Logistics: Quantitative Models for Closed-Loop Supply Chains, Springer Science & Business Media, Business & Economics.
- LISEC, Andrej, ANTIĆ, Slobodan, CAMPUZANO BOLARÍN, Francisco, PEJIĆ, Vaska. An approach to packaging waste reverse logistics : case of Slovenia. Transport, ISSN 1648-3480. [Online ed.], 2017, str.

[1-9]. http://www.tandfonline.com/doi/abs/10.3846/16484142.2017.1326404, doi: 10.3846/16484142.2017.1326404. [COBISS.SI-ID 512892477], [JCR, SNIP, Scopus do 16. 2. 2018: št. citatov (TC): 0, čistih citatov (CI): 0].

Cilji in kompetence:

- Podati povezana znanja reverzibilne logistike s poudarkom na odpadkih.
- Razviti sposobnost študentov za samostojno znanstveno-raziskovalno reševanje problemov reverzibilne logistike.

Objectives and competences:

- To provide integrated knowledge of reverse logistics on focus of waste.
- To develop student's capabilities of independent scientific-research solution solving on reverse logistics.

Predvideni študijski rezultati:

Znanje in razumevanje:

- Poznavanje reverzibilne logistike v oskrbovalni verigi.
- Znati znanstveno in raziskovalno predvideti in uporabiti napredne metode, modele, tehnike pri načrtovanju, oblikovanju reverzibilne logistike.
- Povezovanje teoretičnih znanj in analitičnih/matematičnih modelov.

Prenesljive/ključne spretnosti in drugi atributi:

- Potrebno znanje za načrtovanje, oblikovanje, modeliranje reverzibilne logistike.
- Poznavanje in uporaba naprednih računalniško podprtih orodjih.

Intended learning outcomes:

Knowledge and understanding:

- Knowledge of reverse logistics in supply chain.
- Knowledge of proper scientific-research anticipation and application of advanced methods, models, techniques by planning, design of reverse logistics.
- Integration of theoretical knowledge and analytical/ numerical models.

Transferable/Key Skills and other attributes:

- The necessary engineering knowledge for planning, designing, modelling of reverse logistics.
- The knowledge and the application of the advanced computer-aided tools.

Metode poučevanja in učenja:

- Predavanja.
- Konzultacije.
- Samostojno delo.
- Projektno delo ali znanstveni članek.

Learning and teaching methods:

- Lectures.
- Consultations.
- Individual work.
- Project work or scientific paper.

Načini ocenjevanja:	Delež (v %) / Share (in %)	**Assessment methods:**
• Raziskovalna naloga. • Izpit (teoretično in praktično znanje).	50% 50%	• Research work. • Exam (theoretical and practical knowledge).

Reference nosilca / Course coordinator's references:

1. PEJIĆ, Vaska, CEDILNIK, Marko, LISEC, Andrej. Impact on the environment of industrial packaging waste transport. Environmental engineering and management journal, ISSN 1843-3707. [Online ed.], ***2017****, vol. 16, no. 5, str. 1155-1160. http://www.ecozone.ro/reviste.php?revista=21&volum=61&numar=191&RID=27311. [COBISS.SI-ID 512892221], [JCR, SNIP, WoS do 15. 9. 2019: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.33] kategorija: 1A3 (Z); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICT*

2. 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, Aug. 2017, vol. 11, iss. 6, str. 1137-1154, tabele.

https://link.springer.com/content/pdf/10.1007%2Fs11590-016-1009-5.pdf, doi: 10.1007/s11590-016-1009-5. [COBISS.SI-ID 512755517], [JCR, SNIP, WoS do 14. 4. 2019: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.25, Scopus do 29. 4. 2019: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.25]
kategorija: 1A2 (Z, A1/2); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICD
3. LISEC, Andrej. Reorganization of the postal system : the case of the parcel network in Slovenia. Harlow ... [et al.]: Pearson, cop. 2016. 101 str., ilustr. ISBN 978-1-784-49153-6. [COBISS.SI-ID 512773949]
kategorija: 2A (Z, A'', A', A1/2); tip dela je verificiral OSICT
točke: 160, št. avtorjev: 1