

21. 01. 2025

UČNI NAČRT UČNE ENOTE / COURSE SYLLABUS	
Učna enota:	EMBALAŽA IN RAZBREMENILNA LOGISTIKA ODPADNE HRANE
Course title:	PACKAGING AND REVERSE LOGISTICS OF FOOD WASTE

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: Ni pogojev.	Prerequisites: None
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Vsebina: Embalaža. Funkcije in vrste. Embalažni materiali in oblike. Oblikovanje in načrtovanje embalaže. Ogljični odtis. Razbremenilna logistika. Trajnostnost. Odpadna hrana. Preprečevanje odpadne hrane, zbiranje, recikliranje, ponovna uporaba embalaže in odpadkov.	Content (Syllabus outline): Packaging. Functions and types. Packaging materials and forms. Packaging design and planning. Carbon footprint. Reverse logistics. Durability. Waste food. Food waste prevention, collection, recycling, reuse of packaging and waste.
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Temeljni literatura in viri / Readings:

Obvezna literatura / Required reading(s):
 ŠINKO, Simona, LISEC, Andrej. Embalaža in razbremenilna logistika : e-gradivo. 1. el. izd. Celje: Fakulteta za logistiko, 2022. 1 spletni vir (1 datoteka PDF ([IX], 134 str.)), ilustr. <https://studij.um.si/>. [COBISS.SI-ID 100254211]

Cilji in kompetence: Učna enota je zasnovana tako, da bi študentje dobili najnovejša znanja o embalaži in razbremenilni logistiki. Ta znanja so potrebna, da lahko načrtujemo sodobno embalažo, upravljamo z viri in preprečujemo odpadno hrano na podeželju. Spozna se s trajnostnostjo in ogljičnim odtisom.	Objectives and competences: The course is designed to provide students with the latest knowledge of packaging and reverse logistics. These skills are needed for us to be able to design modern packaging, manage resources and prevent food waste in rural areas. Students learn about sustainability and carbon footprint.
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Predvideni študijski rezultati:

Znanje in razumevanje:
Študent je ob koncu študija pridobi znanja s področja embalaže in razbremenilne logistike odpadne hrane, kako ravnati s hrano in jo ponovno uporabiti.

Razumevanje in uporaba obravnavane tematike z zmožnostjo analize problemov in sistemskega razmišljanja.

Intended learning outcomes:

Knowledge and Understanding:
At the end of the study, the student acquires knowledge in the field of packaging and reverse logistics of food waste, how to handle food and reuse it.

Understanding and use of discussed subject with ability of problem analysis and profound systematic consideration.

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, auditotial (classroom) lectures
Presentations, discussion of practical cases, presentations of students' independent analyses, active team work.
Seminar exercises.

E-learning (e-lectures and e-exercises can be conducted in a virtual electronic learning environment or with the help of e-materials specially prepared for this purpose in a virtual electronic learning environment).

Načini ocenjevanja:

Delež (v %) /
Weight (in %)

Assessment:

Pisni izpit. Seminarska naloga/Projekt. Študent/študentka mora pred pristopom k izpitu izdelati seminarsko nalogo in jo zagovarjati.	70 30	Written exam. Seminar paper/project. Before taking the exam, the student has to prepare a seminar paper and defend it.
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Reference nosilca / Lecturer's references:

DABEES, Ahmed, BARAKAT, Mahmoud, EL BARKY, Sahar Sobhy, LISEC, Andrej. A Framework for adopting a sustainable reverse logistics service quality for reverse logistics service providers : a systematic literature review. *Sustainability*. Feb. 2023, vol. 15, issue 3, [article no. 1755], str. 1-16, ilustr. ISSN 2071-1050. <https://www.mdpi.com/2071-1050/15/3/1755>, <https://dk.um.si/lzpisGradiva.php?id=88057>, DOI: 10.3390/su15031755. [COBISS.SI-ID 142740739], [JCR, SNIP, WoS do 13. 4. 2024: št. citatov (TC): 9, čistih citatov (CI): 9, čistih citatov na avtorja (CIAu): 2.25, Scopus do 10. 1. 2024: št. citatov (TC): 8, čistih citatov (CI): 8, čistih citatov na avtorja (CIAu): 2.00]

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]