

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta: OSNOVE LOGISTIČNIH PROCESOV
Course title: BASICS OF LOGISTICS PROCESSES

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
GOSPODARSKA IN TEHNIŠKA LOGISTIKA 1. stopnja		1.	1.
PROFESSIONAL HIGHER EDUCATION STUDY PROGRAMME ECONOMIC AND TECHNICAL LOGISTICS 1 st degree		1.	1.

**Vrsta predmeta (obvezni ali izbirni) /
Course type (compulsory or elective)**

OBVEZNI
COMPULSORY

Univerzitetna koda predmeta / University course code:

VS

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
18 e-P 27 a-P		15 e-V 30 a-V			90	6

**Nosilec predmeta / Course
coordinator:**

MATEVŽ OBRECHT

Jeziki /Languages:

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

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

Ni pogojev za sodelovanje pri tem predmetu.

**Prerequisites for enrolling in the course or for
performing study obligations:**

There are no prerequisites for this course.

Vsebina (kratek pregled učnega načrta):

Temeljna področja obravnave predmeta so naslednja:

- Uvod v procesno razmišljanje in prehod iz funkcijske v procesno organizacijo
- Temeljni pojmi in členitev ter strukture (logističnih) procesov
- Logistični procesi z vidika dodane vrednosti
- Logistika kot proces in ključni logistični procesi
- Osnove mapiranja in vizualizacije logističnih procesov
- Merila in kriteriji za analizo logističnih procesov
- Osnovna orodja za analiziranje in izboljšanje logističnih procesov.

Content (syllabus outline):

Basic areas of the course are:

- Introduction in process thinking and transition from functional to process organisation
- Basic definitions and structure of (logistics) processes
- Logistics processes and added value
- Logistics as a process and key logistic processes
- Basics of logistics process mapping and visualization
- Criteria for analysis of logistics processes
- Basic tools for analysis and optimisitm logistics processes

<ul style="list-style-type: none"> • Vloga in pomen izboljšav procesov pri delovanju oskrbovalnih verig v realnem gospodarskem okolju v smeri trajnostnega razvoja in digitalizacije kot prioritet industrije EU 	<ul style="list-style-type: none"> • The role of logistics processes within supply chain in real business and transition towards new EU industrial priorities (digitalisation and sustainability)
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Temeljni literatura in viri / Reading materials:

<p>Osnovna literature / Essential sources:</p> <ul style="list-style-type: none"> • E-gradivo predmeta. 2021. • Kramar, U. (2014) <i>Osnove logistike : skripta za predmet</i>. 1. izd. Celje: Fakulteta za logistiko. • Kramar, U. (2017). <i>Osnove logističnih procesov: skripta za predmet</i>. 1. izd. Celje: Fakulteta za logistiko Univerze v Mariboru. <p>Izbrana poglavja iz/Some Chapters from:</p> <ul style="list-style-type: none"> • Rushton, A., Croucher, P. and Baker, P. (2010). <i>The Handbook of Logistics and Distribution Management 4th ed</i>. London: Kogan Page Limited. • Slack, N., Brandon-Jones, A. and Johnston, R. (2013). <i>Operations Management</i>. Seventh edition. Edinburgh: Pearson Education Limited. • Kovačič, A. in Bosilj-Vukšič, V. (2005). <i>Management poslovnih procesov: Prenova in informatizacija poslovanja</i>. Ljubljana: GV.

Cilji in kompetence:

<p>Cilji predmeta so:</p> <ul style="list-style-type: none"> • pridobiti osnovna znanja o procesih in vlogi procesov pri razumevanju logistike. • študente seznaniti z osnovnimi principi analize logističnih procesov in osnovne pristope k njihovemu obvladovanju. • prikazati orodja in pristope za identifikacijo, analizo in vizualizacijo procesov v logistiki, • razumeti koncept procesnega pristopa in možnosti vpeljave v logistiki ter navezavo na oskrbovalne verige. <p>Kompetence, ki jih študentje osvojijo:</p> <ul style="list-style-type: none"> • pridobijo teoretično znanje s področja procesnega pristopa • pridobijo teoretično znanje s področja in ključnih in podpornih logističnih procesov • se usposobijo za identifikacijo in vizualizacijo ter mapiranje procesov • se naučiti osnovne analize procesov v logistiki
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Objectives and competences:

<p>The objective of this course is to provide students:</p> <ul style="list-style-type: none"> • acquire basic knowledge about processes and the role of processes in understanding logistics. • get to know basic principles of logistic process analysis and basic approaches to their control. • acquire basic approaches / tools for identification, analysis and visualisation of logistic processes, • understand the concept of process thinking and approach as well as its integration in logistics and relation to supply chain. <p>Key competences:</p> <ul style="list-style-type: none"> • get theoretical knowledge of process thinking and approach • get theoretical knowledge of basic and supportive logistics processes • ability to identify and visualise processes and process mapping • ability for basic analysis of logistics processes
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Predvideni študijski rezultati:

<p>Študent je ob zaključku predmeta zmožen:</p> <ul style="list-style-type: none"> • procesnega razmišljanja in razumevanja logistike kot procesa, • opisati in na poenostavljen način analizirati, logistične procese z ustreznimi orodji,

Intended learning outcomes:

<p>Student is able to:</p> <p>Development of knowledge and understanding</p> <ul style="list-style-type: none"> • process thinking and understanding of logistics as a process,
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- vizualizirati proces, prepoznati vire, vhode in izhode in motnje procesa
- razumeti vlogo procesov v oskrbovalnih verig v sodobnem svetu

- describe and simple analysis of logistics processes with appropriate tools
- visualize processes, identify inputs, outputs and distractions
- understand the role of logistics processes in supply chains in modern world,

Metode poučevanja in učenja:

Predmet vključuje različne metode poučevanja in učenja, kot so: predavanja, diskusijske skupine, video predstavitve in filmi, primeri iz prakse ter predstavitve in samostojni študij študentov.

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-vaj (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:

This course uses a range of teaching methods including lectures, discussion groups, videos and films, case studies, student presentation and independent study of students.

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).

Tutorials: 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-tutorials 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 %) / Share (in %)	Assessment methods:
<ul style="list-style-type: none"> • Opravljene obveznosti e-predavanj in e-vaj so pogoj za pristop k izpitu. 		<ul style="list-style-type: none"> • Successful completion of e-lectures and e-tutorial is a prerequisite for entering the exam.
<ul style="list-style-type: none"> • Aktivno delo študentov (e-predavanja in e-vaje). 	15%	<ul style="list-style-type: none"> • Active work of students (e-lectures and e-tutorial)
<ul style="list-style-type: none"> • Seminaraska naloga (v sklopu samostojnega dela). 	15%	<ul style="list-style-type: none"> • Seminar paper (within individual work).
<ul style="list-style-type: none"> • Končni pisni izpit. 	70%	<ul style="list-style-type: none"> • Final written examination.

Reference nosilca / Course coordinator's references:

- OBRECHT, Matevž, SINGH, Rhythm, ZORMAN, Timitej. Conceptualizing a new circular economy feature - storing renewable electricity in batteries beyond EV end-of-life : the case of Slovenia. *The international journal of productivity and performance management : Elektronski vir*, ISSN 1758-6658. [Online ed.]. <https://doi.org/10.1108/IJPPM-01-2021-0029>, doi: 10.1108/IJPPM-01-2021-0029
- LAZAR, Sebastjan, KLIMECKA-TATAR, Dorota, OBRECHT, Matevž. Sustainability orientation and focus in logistics and supply chains. *Sustainability*, ISSN 2071-1050, 2021, vol. 13, iss. 6, str. [1]-20, ilustr. <https://doi.org/10.3390/su13063280>, doi: 10.3390/su13063280.
- STANISZEWSKA, Ewelina, KLIMECKA-TATAR, Dorota, OBRECHT, Matevž. Eco-design processes in the automotive industry. *Production Engineering Archives*, ISSN 2353-5156, 2020, [Vol.] 26, [no.] 4, str. 131-137, ilustr. <https://doi.org/10.30657/pea.2020.26.25>, doi: 10.30657/pea.2020.26.25.
- KUMPERŠČAK, Samo, MEDVED, Mihael, TERGLAV, Melanie, WRZALIK, Aleksandra, OBRECHT, Matevž. Traceability systems and technologies for better food supply chain management. *Quality production*

improvement - *QPI*, ISSN 2657-8603. [Spletna izd.], 2019, vol. 1, iss. 1, str. 567-574. <https://doi.org/10.2478/cqpi-2019-0076>, doi: [10.2478/cqpi-2019-0076](https://doi.org/10.2478/cqpi-2019-0076)

- OBRECHT, Matevž, KNEZ, Matjaž. Carbon and resource savings of different cargo container designs. *Journal of cleaner production*, ISSN 1879-1786. [Online ed.], 1 Jul. 2017, vol. 155, 151-156 str. <https://doi.org/10.1016/j.jclepro.2016.11.076>, doi: [10.1016/j.jclepro.2016.11.076](https://doi.org/10.1016/j.jclepro.2016.11.076). [COBISS.SI-ID 512811837], [JCR, SNIP, WoS].
- OBRECHT, Matevž. Logistika prihodnosti - nove tehnologije in novi poslovni modeli. *Embalaža, okolje, logistika : strokovna specializirana revija za embalažo, okolje in logistiko*, ISSN 1855-4849, sept. 2016, [Št.] 111/112, str. 70-71, ilustr. http://www.zelenaslovenija.si/images/stories/eol/EOL_111-112/EOL_111-112.pdf. [COBISS.SI-ID 512828477].