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| **UČNI NAČRT PREDMETA / COURSE SYLLABUS** |
| **Ime predmeta:** | OSNOVE LOGISTIČNIH PROCESOV  |
| **Course title:** | BASICS OF LOGISTICS PROCESSES  |
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| **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 1st degree |  | 1. | 1. |
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| **Vrsta predmeta (obvezni ali izbirni) /** **Course type (compulsory or elective)** | OBVEZNI |
| COMPULSORY |
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| **Univerzitetna koda predmeta / University course code:** | VS |
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| **Predavanja****Lectures** | **Seminar****Seminar** | **Vaje****Tutorial** | **Klinične vaje****Clinical training** | **Druge oblike študija****Other forms of study** | **Samost. delo****Individual work** |  | **ECTS** |
| 18 e-P27 a-P |  | 15 e-V30 a-V |  |  | 90 |  | 6 |
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| **Nosilec predmeta / Course coordinator:** | **MATEVŽ OBRECHT** |
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| **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 pogojev za sodelovanje pri tem predmetu. |  | There are no prerequisites for this course. |
| **Vsebina (kratek pregled učnega načrta):**  |  | **Content (syllabus outline):** |
| 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.
* Vloga in pomen izboljšav procesov pri delovanju oskrbovalnih verig v realnem gospodarskem okolju v smeri trajnostnega razvoja in digitalizacije kot prioritet industrije EU
* Ozelenitev poslovnih procesov
 |  | 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 optimisitn logistics processes
* The role of logistics processes within supply chain in real business and trensition towards new EU industrial priorities (digitalisation and sustainability)
* Greening of business processes
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| **Temeljni literatura in viri / Reading materials:** |
| Osnovna literature / Essential sources: * Kramar, U. (2014) *Osnove logistike : skripta za predmet*. 1. izd. Celje: Fakulteta za logistiko.
* Kramar, U. (2017). Osnove logističnih procesov: skripta za predmet. 1. izd. Celje: Fakulteta za logistiko Univerze v Mariboru.

Izbrana poglavja iz/Some Chapters from:* Rushton, A., Croucher, P. and Baker, P. (2017). The Handbook of Logistics and Distribution Management 46h ed. London ; New York ; New Delhi : Kogan Page, cop.
* Slack, N., Brandon-Jones, A. and Johnston, R. (2013). *Operations Management*. Seventh edition. Edinburgh: Pearson Education Limited.
* Kovačič, A. in Bosilj-Vukšič, V. (2005). *Management poslovnih procesov: Prenova in informatizacija poslovanja*. Ljubljana: GV.
 |
| **Cilji in kompetence:** |  | **Objectives and competences:** |
| Cilji predmeta so:-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 in trajnostni razvoj.Kompetence, ki jih študentje osvojijo:-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-sposoben predlagati osnovne izboljšave procesov |  | The objective of this course is to provide students:-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,-understant the concept of process thinking and approach as well as its integration in logistics and relation to supply chain and sustainable development.Key competences:-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-ability to propose process improvements |
| **Predvideni študijski rezultati:** |  | **Intended learning outcomes:** |
| Študent je ob zaključku predmeta zmožen:* procesnega razmišljanja in razumevanja logistike kot procesa,
* opisati in na poenostavljen način analizirati, logistične procese z ustreznimi orodji,
* vizualizirati proces, prepoznati vire, vhode in izhode in motnje procesa
* razumeti vlogo procesov v oskrbovalnih verig v sodobnem svetu in jih povezati s konceptom trajnostnega razvoja
 |  | Student is able to:Development of knowledge and understanding* process thinking and understanding of logistics as a process,
* describe and simple analysis of logistics processes with appropriate tools
* visualize processes, identify inputs, outputs and distractions
* understand the role of logsitics processes in supply chains in modern world and relate it with sustainability
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| **Metode poučevanja in učenja:** |  | **Learning and teaching methods:** |
| 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). |  | 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:** |
| * Opravljene obveznosti e-predavanj in e-vaj so pogoj za pristop k izpitu.
* Aktivno delo študentov (e-predavanja in e-vaje).
* Seminarska naloga (v sklopu samostojnega dela).
* Pisni izpit.
 | 15%15%70% | * Successful completion of e-lectures and e-tutorial is a prerequisite for entering the exam.
* Active work of students (e-lectures and e-tutorial)
* Seminar paper (within individual work).
* Written examination.
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| **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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://plus.si.cobiss.net/opac7/bib/512811837?lang=sl)], [[JCR](https://plus.si.cobiss.net/opac7/jcr?c=sc=0959-6526+and+PY=2016&r1=true&lang=sl), [SNIP](https://plus.si.cobiss.net/opac7/snip?c=sc=0959-6526+and+PY=2016&r1=true&lang=sl), [WoS](http://gateway.isiknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=Alerting&SrcApp=Alerting&DestApp=WOS&DestLinkType=FullRecord&UT=000401887700017).
* 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](https://plus.si.cobiss.net/opac7/bib/512828477?lang=sl)].
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