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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-P  27 a-P |  | | | 15 e-V  30 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 | |
| **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)]. |