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| **UČNI NAČRT PREDMETA / COURSE SYLLABUS** | | | | | | | | | | | | | | | | |
| **Ime predmeta:** | | DIGITALNA TRANFORMACIJA V OSKRBOVALNIH VERIGAH | | | | | | | | | | | | | | |
| **Course title:** | | DIGITAL TRANSFORMATION OF SUPPLY CHAINS | | | | | | | | | | | | | | |
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| **Študijski program in stopnja**  **Study programme and cycle** | | | | | **Študijska smer**  **Study option** | | | | | | | **Letnik**  **Year of study** | | **Semester**  **Semester** | | |
| LOGISTIKA SISTEMOV 1. stopnja | | | | |  | | | | | | | 3. | | 5. | | |
| SYSTEM LOGISTICS 1st degree | | | | |  | | | | | | | 3. | | 5. | | |
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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:** | | | | | | | | | | | UN | | | | | |
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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** |
| 3 e-P  21 a-P |  | | | 3 e-V  12 a-V | |  | | | |  | | | 51 | |  | 3 |
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| **Nosilec predmeta / Course coordinator:** | | | | | **IGOR JAKOMIN** | | | | | | | | | | | |
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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. | | | | | | | |  | None. | | | | | | | |
| **Vsebina (kratek pregled učnega načrta):** | | | | | | |  | | **Content (syllabus outline):** | | | | | | | |
| * Kompleksnost oskrbovalnih verig in njihov pomen za globalno trgovino. * Specifike globalne trgovine (INCOTERMS klavzule, carinske posebnosti, pomen zavarovanj v mednarodni trgovini in prevozu, posebnosti medkulturnega trgovanja). * Ustvarjanje dodane vrednosti skozi oskrbovalne verige. * Dokumentacija in posebnosti informacijske tehnologije, kot dejavnik učinkovitega pretoka informacij v oskrbovalnih verigah. * Pomen digitalizacije in tehnološkega razvoja za doseganje učinkovitosti oskrbovalnih verig. * Primerjalna analiza posameznih faz oskrbovalne verige, kot dejavnik učinkovitega toka blaga skozi pogled digitalne transformacije. * Mejniki kakovosti operaterjev oskrbovalne verige v digitalni dobi. | | | | | | |  | | * Complexity of supply chains and their meaning for the global trade. * Specific topics of the global trade (INCOTERMS, custom clearance specialities, meaning of insurance in international trade and transportation, specifics of multicultural trade). * Creation of added value through supply chains. * Documentation and specifics of information technology as a factor of efficient information flow in supply chains. * Meaning of digitalisation and technological development for reaching efficiency in supply chains. * Comparative analisys of different phases od supply chain as efficient factor of cargo flows through an overview of digital transformation. * Quality milestones of supply chain operators in digital era. | | | | | | | |
| **Temeljni literatura in viri / Reading materials:** | | | | | | | | | | | | | | | | |
| Sullivan M., Kern J.: The Digital Transformation of Logistics – Demystifying impacts of the Fourth Industrial Revolution, Wiley-IEEE Press, 2021.  Tan, A., Shukkla, S.: Digital Transformation of the Supply Chain – A Ractical Guide for Executives, World Secientific, Singapore, 2021. – Predlagam da se kupi  Gumzej, R. (2013). Logistika in e-poslovanje (str. XIV, 130). Fakulteta za logistiko. | | | | | | | | | | | | | | | | |
| **Cilji in kompetence:** | | | | | | |  | | **Objectives and competences:** | | | | | | | |
| Kompetence:   * poznavanje posebnosti okolij delovanja globalnih oskrobalnih verig, * poglobitev razumevanja možnih oblik in načinov globalnega digitalnega poslovanja, obvladovanje modernih digitalnih tehnik zunanjetrgovinskega poslovanja, * sposobnost učinkovite uporabe digitalnih orodij v mednarodnem poslovanju, * poznavanje zadnjih trendov v globalnih oskrbovalnih verigah, * usposobljenost za oblikovanje digitalnih možnosti za uspešen razvoj aktivnosti v poslovnem okolju bodočnosti. | | | | | | |  | | Competences:   * knowing special environments of global supply chain, * deep understanding of the possible forms and ways of doing global digital business, acquiring modern digital techniques for international trade operations, * ability to use digital tools in international business operations, * knowing the latest trends in global supply chains, * ability to create digital possibilities for successful development of activities in business environment of the future. | | | | | | | |
| **Predvideni študijski rezultati:** | | | | | | | |  | **Intended learning outcomes:** | | | | | | | |
| Znanje in razumevanje:  Študenti:   * osvojijo znanje o digitalizaciji oskrbovalnih verig v globalnem okolju, * osvojijo znanje o vlogi digitalizacije v oskrbovalnih verigah prihodnosti, * spoznajo kompleksnost oskrbovalnih verig.   Prenesljive/ključne spretnosti in drugi atributi:   * Študenti se usposobijo za interpretacijo in uporabo teoretičnega znanja v praktičnih (poslovnih) primerih. | | | | | | | |  | Knowledge and Understanding:  The students:   * are familiar with the role of digitalisation of supply chains in a global environment, * are familiar with the role of digitalisation in supply chains of the future, * learn about complexity of supply chains.   Transferable/Key Skills and other attributes:   * Students gain the ability to interpret and to apply theoretical knowledge to professional practice. | | | | | | | |

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| **Metode poučevanja in učenja:** | |  | **Learning and teaching methods:** | |
| 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).  Seminar: pri vajah študent utrdi teoretično znanje in spozna aplikativne možnosti. Praktične strokovne ekskurzije v podjetja dobrih praks v Republiki Sloveniji. Del vaj se izvaja na klasični način v predavalnici, del pa v obliki e-predavanj 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). | |  | 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. Practical tutorials are in form of excursion in a best-practice companies in Slovenia. 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:** |
| * Pisni izpit. * Izdelava seminarskega dela. * Opravljene obveznosti v okviru ogleda dobrih praks. | 50%  40%  10% | | | * Written examination. * Preparation of a seminar work. * Successful completion of tasks in the framework of observation of good practices. |

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| **Reference nosilca / Course coordinator's references:** |
| 1. JAKOMIN, Igor et al. Inclusive deployment of blockchain for supply chains : part 1 : introduction. Geneva: World Economic Forum, cop. 2019. 25 str., ilustr. <https://www.weforum.org/whitepapers/inclusive-deployment-of-blockchain-for-supply-chains-part-1-introduction>. [COBISS.SI-ID [512984893](https://plus.si.cobiss.net/opac7/bib/512984893?lang=sl)]. 2. JAKOMIN, Igor. How implement blockchain technology in shipping business - case study CargoX : IRU World Congress, roundtable session Reaping the benefits of new business models, 8 Nov. 2018, Muscat, Oman. [COBISS.SI-ID [512985149](https://plus.si.cobiss.net/opac7/bib/512985149?lang=sl)]. 3. KONTELJ, Monika, JAKOMIN, Igor. Transport modelling of freight flows in accordance with investments : case study of Slovenian railways. Promet, ISSN 0353-5320. [Print ed.], 2014, vol. 26, no. 5, str. 429-436, ilustr. <http://www.fpz.unizg.hr/traffic/index.php/PROMTT/article/view/1456>, doi: [10.7307/ptt.v26i5.1456](https://doi.org/10.7307/ptt.v26i5.1456). [COBISS.SI-ID [2553443](https://plus.si.cobiss.net/opac7/bib/2553443?lang=sl)]. 4. JAKOMIN, Igor, KOBILICA, Rok. Planning model of purchasing logistics in outsourcing. Transport problems : international scientific journal, ISSN 1896-0596. [Printed ed.], 2014, vol. 9, iss. 1, str. 69-81. <http://transportproblems.polsl.pl/pl/Archiwum/2014/zeszyt1/2014t9z1_08.pdf>. [COBISS.SI-ID [2497379](https://plus.si.cobiss.net/opac7/bib/2497379?lang=sl)]. 5. JAKOMIN, Igor, KOBILICA, Rok. The meaning of supply chains and outsourcing for the purchasing logistics. V: SCHLIEPHAKE, Konrad (ur.), ROSI, Bojan (ur.), STERNAD, Marjan (ur.). Transport research in a changing world : case studies from Slovenia and Germany = Verkehrsanalysen im wandelnden Raumbezug : Fallstudien aus Slowenien und Deutschland, (Würzburger geographische Manuskripte, ISSN 0931-8623, 82). Würzburg: Geographisches Institut der Universität Würzburg. 2014, str. 23-45, ilustr. [COBISS.SI-ID [2556259](https://plus.si.cobiss.net/opac7/bib/2556259?lang=sl)]. |