|  |
| --- |
| **UČNI NAČRT PREDMETA / COURSE SYLLABUS** |
| **Ime predmeta:** | DIGITALNA TRANFORMACIJA V OSKRBOVALNIH VERIGAH |
| **Course title:** | DIGITAL TRANSFORMATION OF SUPPLY CHAINS |
|  |  |  |  |
| **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. |
|  |
| **Vrsta predmeta (obvezni ali izbirni) /** **Course type (compulsory or elective)** | OBVEZNI |
| COMPULSORY |
|  |  |
| **Univerzitetna koda predmeta / University course code:** | UN |
|  |
| **Predavanja****Lectures** | **Seminar****Seminar** | **Vaje****Tutorial** | **Klinične vaje****Clinical training** | **Druge oblike študija****Other forms of study** | **Samost. delo****Individual work** |  | **ECTS** |
| 3 e-P21 a-P |  | 3 e-V12 a-V |  |  | 51 |  | 3 |
|  |
|  |
|  |
| **Nosilec predmeta / Course coordinator:** | **IGOR JAKOMIN** |
|  |
| **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 kupiGumzej, 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.
 |

|  |  |  |
| --- | --- | --- |
| **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.
 |

|  |
| --- |
| **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)].
 |