

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

**Ime predmeta:** INTEGRACIJA OSKRBOVALNIH VERIG  
**Course title:** SUPPLY CHAIN INTEGRATION

| Študijski program in stopnja<br>Study programme and cycle | Študijska smer<br>Study option | Letnik<br>Year of study | Semester<br>Semester |
|---|--------------------------------|-------------------------|----------------------|
| LOGISTIKA SISTEMOV 2. stopnja                             |                                | 2.                      | 3.                   |
| SYSTEM LOGISTICS 2 <sup>nd</sup> degree                   |                                | 2.                      | 3.                   |

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

IZBIRNI  
ELECTIVE

**Univerzitetna koda predmeta / University course code:**

MAG

| Predavanja<br>Lectures | Seminar<br>Seminar | Vaje<br>Tutorial | Klinične vaje<br>Clinical training | Druge oblike študija<br>Other forms of study | Samost. delo<br>Individual work | ECTS |
|------------------------|--------------------|------------------|------------------------------------|--|---------------------------------|------|
| 15 e-P<br>30 a-P       |                    | 10 e-V<br>30 a-V |                                    |  | 65                              | 5    |

**Nosilec predmeta / Course coordinator:**

MARJAN STERNAD

**Jeziki /Languages:**

**Predavanja / Lectures:** SLOVENSKI/SLOVENE

**Vaje / Tutorial:** SLOVENSKI/SLOVENE

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

Ni pogojev.

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

None.

**Vsebina (kratek pregled učnega načrta):**

1. Logistični stroški in vezava kapitala
2. Storitve za uporabnike
3. Upravljanje povpraševanja
4. Upravljanje zalog
5. Transportno planiranje
6. Distribucijske strukture

**Content (syllabus outline):**

1. Logistics costs and tied-up capital
2. Customer service
3. Demand management
4. Inventory management
5. Transport planning
6. Distribution structures

**Temeljni literatura in viri / Reading materials:**

E-gradivo predmeta.  
 Jonsson, Patrik. 2008. *Logistics and Supply Chain Management*. London: McGraw-Hill.  
 Sternad, M. Rosi, B. 2011. *Obvladovanje vrednostne verige v logistiki – e gradivo*. Celje: FL.  
 Christopher, Martin. 2005. *Logistics and supply chain management*. Edinburgh: Pearson.  
 Handfield, Robert; Nichols, Ernest. 2002. *Supply Chain Redesign*. Prentice Hall.

**Cilji in kompetence:**

Študenti:

**Objectives and competences:**

Students:

- learn about supply chain,

- osvojijo teoretično znanje na področju oskrbovalnih verig,
- se usposobijo za načrtovanje tokov v oskrbovalni verigi,
- spoznajo pomen finančnih tokov na delovanje oskrbovalne verige,
- razumejo celovit pristop k preučevanju oskrbovalnih verig.

- are trained for planning in supply chain,
- are familiarised with the importance of financial flow in supply chain management,
- understand a holistic approach in learning of supply chain.

#### **Predvideni študijski rezultati:**

Znanje in razumevanje:

- koncepta oskrbovalnih verig,
- logističnih tokov v oskrbovalni verigi,
- načrtovanja v oskrbovalni verigi,
- kompleksnosti oskrbovalnih verig.

#### **Intended learning outcomes:**

Knowledge and understanding:

- concepts of supply chain,
- logistical flow in supply chain,
- planning methods in supply chain,
- complexity of supply chain.

#### **Metode poučevanja in učenja:**

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:**

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).

| <b>Načini ocenjevanja:</b>   | Delež (v %) /<br>Share (in %) | <b>Assessment methods:</b>   |
|--|-------------------------------|--|
| Opravljene obveznosti e-predavanj in e-vaj so pogoj za pristop k izpitu. |                               | Successful completion of e-lectures and e-tutorials is a prerequisite for entering the exam. |
| Pisni in ustni izpit.  | 80%                           | Written and oral exam.   |
| Seminarska naloga.   | 20%                           | Students produce project papers and present them individually to the audience.               |

#### **Reference nosilca / Course coordinator's references:**

1. STERNAD, Marjan. Transport cost function : case of Slovenian regional rail lines. V: DRAŠKOVIĆ, Veselin. *Management and logistics : selected topics*. 1st electronic ed. Czestochowa [etc.]: SPH - Scientific Publishing Hub, 2016, str. 35-53, ilustr. <http://sphub.org/books/management-and-logistics>.
2. STERNAD, Marjan, CVAHTE, Tina, TOPOLŠEK, Darja, JUSTINEK, Gorazd. The influence of logistics barriers on lead times and service levels in Slovenia. *International journal of logistics systems and management*, ISSN 1742-7975. [Online ed.], 2016, vol. 23, no 4, str. 519-533.

3. STERNAD, Marjan, SAFRAN, Matjaž, TOPOLŠEK, Darja. International comparative advantage in transport services: : the case of Slovenia. *Montenegrin journal of economics*, ISSN 1800-5845, 2011, vol. 8, no. 1, str. 179-186.
4. TOPOLŠEK, Darja, HRIBAR, Suzana, STERNAD, Marjan. Road traffic safety in conjunction with in-vehicle ITS. *Transport problems*, ISSN 1896-0596. [Printed ed.], 2014, vol. 9, iss. 2, str. 49-60.
5. STERNAD, Marjan, TOPOLŠEK, Darja. International competitiveness of road and rail transport services. V: SŁADKOWSKI, Aleksander (ur.). *Actual problems of logistics*. Gliwice: Wydawnictwo politechniki Śląskiej, 2012, str. 55-74.
6. CVAHTE, Tina, TOPOLŠEK, Darja, STERNAD, Marjan. The impact of clustering on transport companies. *Production Engineering Archives*, ISSN 2353-5156, 2015, vol. 7, no. 2, str. 25-28.
7. STERNAD, Marjan. Competitiveness of regional railways in Slovenia. V: DOLINOV, F. F. (ur.). *Logističeskie sistemy v global'noj èkonomike : materialy V meždunarodnoj naučno-praktičeskoj konferencii (2-3 aprilja 2015 g., Krasnojarsk) = Logistics systems in global economy : proceedings V of international scientific-practical conference, 2-3 April, 2015, Krasnojarsk*. Krasnojarsk: Sibirskij gosudarstvennyj aèrokosmičeskij universitet imeni akademika M. F. Rešetneva, 2015, str. 49-52.
8. STERNAD, Marjan, KNEZ, Matjaž. Pomen obvladovanja logističnih stroškov. V: PEPEVNIK, Anton (ur.). *Logistični sistemi prihodnosti : zbornik = proceedings*, Mednarodni posvet ob 50.letnici Prometne šole Maribor, Maribor, 25. april 2008.