

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	OSNOVE LOGISTIČNIH TEHNIK IN TEHNOLOGIJ
Course title:	FUNDAMENTALS OF LOGISTICS TECHNIQUES AND TECHNOLOGY

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
GOSPODARSKA IN TEHNIŠKA LOGISTIKA 1.stopnja		1.	2.
PROFESSIONAL HIGHER EDUCATION STUDY PROGRAMME ECONOMIC AND TECHNICAL LOGISTICS 1. degree			

Vrsta predmeta / Course type: OBVEZNI

Univerzitetna koda predmeta / University course code: VS

Predavanja Lectures	Seminar Seminar	vaje Tutorial	Klinične vaje Laboratory work	Druge oblike študija Field work	Samost. delo Individ. work	ECTS
24 e-P 21 a-P		24 e-V 21 a-V			150	8

Nosilec predmeta / Lecturer: DARJA TOPOLŠEK

Jeziki / Predavanja / Lectures: SLOVENSKI / SLOVENE
 Languages: Vaje / Tutorial: SLOVENSKI / SLOVENE

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

Prerequisites:

Ni pogojev

None

Vsebina:

Izvajanje ključnih aktivnosti logistike in njihov obseg.
 Ključni elementi izvajanja logistične dejavnosti.
 Povezava logističnih aktivnosti z drugimi funkcijami v podjetju in oskrbovalni verigi.
 Orodja za spremljanje učinkovitosti logističnih aktivnosti.
 Pomembni koraki načrtovanja logističnih dejavnosti.
 Vpliv notranjega in zunanjega okolja na logistične strategije.
 Kreiranje podlag za management in strategije logističnih aktivnosti in tehnologij.
 Značilnosti, struktura in principi logistične tehnologije.
 Vloga tehnologij v logističnih aktivnostih.

Content (Syllabus outline):

Key logistics activities and their scope.
 Key elements of performing logistics activities.
 Interdependence of logistics activities with other functions in a company and supply chain.
 Tools for monitoring performance of logistics activities.
 Major steps of planning logistics activities.
 Influence of internal and external environment on logistics strategies.
 Creating the base for management and strategies of logistics activities and technologies.
 Characteristics, structure and principles of logistics technology.
 Role of technology in logistics activities.

Spremljanje, vrednotenje in uvajanje tehnoloških trendov v logistične aktivnosti.
Varnost pri delu pri izvajanju logističnih dejavnosti.

Monitoring, assessing and implementing technological trends in logistics activities.
Work safety in performing logistics activities.
Future development and trends in logistics technique and technology.

Temeljni literatura in viri / Readings:

E-gradivo pri predmetu

Tolfree, d. & Smith, A. (2009). Roadmapping emergent Technologies: Planning the Future. Leicester, UK: Matador. ISBN 978-1848760-998.

Rushton, A., Croucher, P. & Baker, P. (2014). The handbook of logistics & distribution management. Kogan Page Ltd. ISBN 978 0 7494 6627 5.

Ballou, R.H.: Business logistics/supply chain management, 2004, Prentice- Hall Inc., ISBN 0-13-123010-7, COBISS SI-ID 4894548

Cilji in kompetence:

Študenti pri tem predmetu:

- spoznajo načela osnovanja logističnih strategij in spremljanja njihovega uresničevanja,
- razumejo pomen usklajenosti logistike z drugimi funkcijami v podjetju in oskrbovalni verigi,
- razumejo potrebo po neprestanem spremljanju in posodabljanju izvajanja logističnih aktivnosti,
- spoznajo tehnološki vidik posameznih logističnih aktivnosti in elementov,
- spoznajo trenutne tehnološke trende na področju logistike.

Objectives and competences:

Students will:

- learn basics of setting logistics strategies and monitoring their implementation,
- understand the importance of syncing logistics to other functions in a company and supply chain,
- understand the need to constantly monitor and update logistic activities,
- get to know the technological viewpoint of logistics activities and elements,
- get to know current technological trends in the logistics field.

Predvideni študijski rezultati:

Znanje in razumevanje:

- logističnih strategij,
- ključnih aktivnosti in elementov logistike,
- uporabe tehnologije v logistiki.

Prenosljive/ključne spretnosti in drugi atributi:

študenti se usposobijo za uporabo teoretičnega znanja v praktičnih primerih.

Intended learning outcomes:

Knowledge and understanding:

- logistics strategies,
- key activities and elements of logistics,
- technology use in logistics.

Transferable/Key Skills and other attributes:

the ability 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).

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-predavanj (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, part of it in the form of e-learning (e-lectures may be in held via video-conferencing or with the help of specially designed e-materials in a virtual electronic learning environment)

Tutorials: students consolidate their theoretical knowledge and apply it. Part of the lecture course is in a classroom, part of it in the form of e-learning (e-lectures may be in held via video-conferencing or with the help of specially designed e-materials in a virtual electronic learning environment).

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
<ul style="list-style-type: none"> ▪ Pisni izpit ▪ Ocena iz vaj (seminarska naloga in sprotno delo) 	<ul style="list-style-type: none"> ▪ 70% ▪ 30% 	<p>Written examination</p> <p>Tutorial grade (seminar paper and individual assignments)</p>

Reference nosilca / Lecturer's references:

1. 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.
2. 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.
3. TOPOLŠEK, Darja, HERBAJ, Elvis Alojzij, STERNAD, Marjan. The accuracy analysis of measurement tools for traffic accident investigation. Journal of transportation technologies, ISSN 2160-0473, Jan. 2014, vol. 4, no. 1, str. 84-92
4. TOPOLŠEK, Darja, MRNJAVAC, Edna, KOVAČIĆ, Nataša. Integration of travel agencies with transport providers. Tourism management perspectives, ISSN 2211-9736, Jan. 2014, vol. 9, str. 14-23
5. 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.
6. TOPOLŠEK, Darja, ČURIN, Andreja. The role of employee relations in the level of internal integration between logistics and marketing functions : the case of Slovenian retail companies. Organizacija, ISSN 1318-5454, jan.-feb. 2012, letn. 45, št. 1, str. 3-13
7. STERNAD, Marjan, TOPOLŠEK, Darja, KNEZ, Matjaž. The case of Slovenian international comparative advantage in logistics services. Strategic management, ISSN 1821-3448, 2012, vol. 17, no. 2, str. 22-30
8. TOPOLŠEK, Darja. The impact of understanding duties at the level of internal integration between logistics and marketing functions: Case of Slovene retailers. African journal of business management, ISSN 1993-8233, 18. March 2011, vol. 5, 6
9. 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.
10. TOPOLŠEK, Darja. Implementing activities within the framework of logistic and marketing functions and their influence on their level of integration. Logistics & sustainable transport, ISSN 2232-4968. [Spletna izd.], 17-03-10, vol. 1, iss. 5, 14 str.
11. TOPOLŠEK, Darja, ČIŽMAN, Anton, LIPIČNIK, Martin. Collaborative behaviour as a facilitator of integration of logistic and marketing functions : the case of Slovene retailers. Promet, ISSN 0353-5320, 2010, vol. 22, no. 5, str. 353-362,