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:	VIS

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

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisits:
Ni pogojev	None

Vsebina:	Content (Syllabus outline):
Opredelitev pojmov, vsebine in pomena logistične tehnike in tehnologije. Razvoj logistične tehnike in tehnologije. Značilnosti, struktura in principi logistične tehnologije. Kreiranje podlag za management in strategijo logistične tehnologije. Delitev, značilnosti in eksploatacija logistične tehnike. Logistična tehnika in tehnologija v posameznih fazah logističnega procesa in oskrbne verige. Inteligentnost logistične tehnologije. Trendi nadaljnjega razvoja logistične tehnike in tehnologije.	Definition and basic concepts of logistics technique and technology. Development of logistics technique and technology. Basic characteristics, structures and principles of logistics technology. Creation of basic for management and strategies of logistics technology. Categories, basic characteristics and exploitation of logistics technique. Logistics technique and technology in several phases of logistics process and supply chain. Intelligent logistics technology. Future development and trends in logistics technique and technology

Temeljni literatura in viri / Readings:

Orbanić, J.: Logistična tehnologija, gradivo e-izobraževanja, UM Fakulteta za logistiko Celje/Krško, 2007
Ballou, R.H.: Business logistics/supply chain management, 2004, Prentice- Hall Inc., ISBN 0-13-123010-7, COBISS SI-ID 4894548
T-Plan: the fast start to Technology Roadmapping, Planning your route to success, 2001, University of Cambridge, Institute for Manufacturing, ISBN 1-902546-09-01

Cilji in kompetence:

Študenti pri tem predmetu:
- spoznajo osnovna razliko med pojmoma tehnika in tehnologija;
- spoznajo osnovne logistične tehnologije, ki so potrebne za izvajanje logističnih dejavnosti, ki so jih spoznali pri predmetu Organizacija logističnih procesov;
- spoznajo se tudi z logistično tehniko, ki je potrebna za izvedbo prej spoznanih tehnologij.

Predmet v prvem letniku se smiselno nadaljuje pri predmetu *Transportne tehnike, tehnologije in infrastruktura.*

Objectives and competences:

Students will:
- understand basic difference between the concepts of logistics technique and technology;
- understand basic categories of logistics technology, needed for logistic activities known from organization of logistics processes.
- understand logistics technique which is needed for implication of logistics technology.

Sublect in first year is continued by analogy at subject Transportation techniue, technology and infrastructure.

Predvideni študijski rezultati:

Znanje in razumevanje:
- sodobnih logističnih tehnik in tehnologij;
- konkretnih možnosti uporabe logističnih tehnik in tehnologij.

Prenesljive/ključne spretnosti in drugi atributi:
študenti se usposobijo za uporabo teoretičnega znanja v praktičnih primerih.

Intended learning outcomes:

Knowledge and understanding:
- contemporary logistics technique and technology;
- of concrete possibilities of logistics technique and technology exploitation.

Transferable/Key Skills and other attributes:
the ability to apply theoretical knowledge to professional practice.

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-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).

Learning and teaching methods:

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:
▪ Pisni izpit ▪ Seminarska naloga	▪ 70% ▪ 30%	Written examination Seminar paper

Reference nosilca / Lecturer's references:

1. TOPOLŠEK, Darja, LIPIČNIK, Martin, GAJŠEK, Brigita. The importance of internal integration for a successful external integration of the supply chain. V: SEGETLIJA, Zdenko (ur.), KARIĆ, Marijan (ur.). IX. međunarodni znanstveni skup Poslovna logistika u suvremenom menadžmentu = International Scientific Conference Business Logistic in Modern Management, Osijek, 2009. *Poslovna logistika u suvremenom menadžmentu*. Osijek: Ekonomski fakultet, 2009, str. 45-54.
2. GAJŠEK, Brigita, TOPOLŠEK, Darja. The use of radio frequency identification on kanban to facilitate production logistic optimization process. V: FOŠNER, Maja (ur.), KRAMBERGER, Tomaž (ur.), ČURIN, Andreja (ur.), ZRINSKI, Manca (ur.). *Proceedings of the 6th International Conference on Logistics & Sustainable Transport 2009*. Celje; Krško: Faculty of Logistics, 2009, str. [376-383], ilustr.
3. GAJŠEK, Brigita, ŠIMENC, Mitja, LERHER, Tone, POTRČ, Iztok. On the technology roadmapping based development of the new order-picking technology RF kinetic. *Advanced engineering*, 2009, year 3, no. 2, str. 167-173.
4. GUMZEJ, Roman, GAJŠEK, Brigita, LIPIČNIK, Martin. Towards a logistics technology platform. V: KOVALEV, Ivan Vladimirovich (ur.). V International scientifically-practical conference devoted to fiftieth anniversary of the Siberian State Aerospace University, named after academician M. F. Reshetnev, seventy fifth anniversary of the Krasnoyarsk Region (February, 4-5th 2010, Krasnoyarsk). *Logistika i ekonomika regionov : materialy V Meždunarodnoj naučno-praktičeskoj konferencii, nosjačennoy 50-letif Sibirskogo gosudarstennogo aerokosmičeskogo univerrsiteta imeni akademika M. F. Rešetneva, 75-letif obrazovanija Krasnojarskogo kraja (4-5 Febralja 2010, g. Krasnojarsk) : v 2-h častjah : materials of V International scientifically-practical conference devoted to fiftieth anniversary of the Siberian State Aerospace University, named after academician M. F. Reshetnev, seventy fifth anniversary of the Krasnoyarsk Region (February, 4-5th 2010, Krasnoyarsk) : in 2 parts*. Krasnojarsk: Sibirskij gosudarstvennyj aerokozmičeskij universiet imeni akademika M. F. Rešetneva, cop. 2010, str. 29-33.
5. GAJŠEK, Brigita, KRAMAR, Uroš. Use of information technology as an opportunity to improve the traditional efficiency methods for achieving quality. V: KOVALEV, Ivan Vladimirovich (ur.). V International scientifically-practical conference devoted to fiftieth anniversary of the Siberian State Aerospace University, named after academician M. F. Reshetnev, seventy fifth anniversary of the Krasnoyarsk Region (February, 4-5th 2010, Krasnoyarsk). *Logistika i ekonomika regionov : materialy V Meždunarodnoj naučno-praktičeskoj konferencii, nosjačennoy 50-letif Sibirskogo gosudarstennogo aerokosmičeskogo univerrsiteta imeni akademika M. F. Rešetneva, 75-letif obrazovanija Krasnojarskogo kraja (4-5 Febralja 2010, g. Krasnojarsk) : v 2-h častjah : materials of V International scientifically-practical conference devoted to fiftieth anniversary of the Siberian State Aerospace University, named after academician M. F. Reshetnev, seventy fifth anniversary of the Krasnoyarsk Region (February, 4-5th 2010, Krasnoyarsk)*. Krasnojarsk: Sibirskij gosudarstvennyj aerokozmičeskij universiet imeni akademika M. F. Rešetneva, cop. 2010, str. 17-23.