

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet: Course Title:	MESTNA LOGISTIKA IN MOBILISTIKA CITY LOGISTICS AND MOBILISTICS
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Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
LOGISTIKA SISTEMOV 2.stopnja		1.	2.
SYSTEM LOGISTICS 2.degree		1.	2.

Vrsta predmeta / Course type: OBVEZNI

Univerzitetna koda predmeta / University course code: MAG

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Labor work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
20 e-P 25 a-P		15 e-V 25 a-V			125	7

Nosilec predmeta / Lecturer: DARJA TOPOLŠEK

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

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

Prerequisites:

Vsebina:

- Uvod v sistem mestne logistike
- Osnovni koncepti mestne logistike
- Logistični sistemi za trajnostna mesta
- Vpliv mestne logistike in transporta na razvoj mest
- Urbana okolja in njihov vpliv na logistične in transportne procese
- Trajnostna mobilnost in trajnostni razvoj mestne logistike
- Transportni sistemi v mestih in njihove značilnosti
- Povpraševanje in modeli oskrbe
- Urbani konsolidacijski centri
- Upravljanje z mobilnostjo v mestih
- Osnovne značilnosti mobilistike
- Mobilistika in prometna politika
- Kakovost v mobilistiki
- Mobilistični procesi po prometnih vejah
- Primeri uspešnih praks iz Evrope in sveta

Content (Syllabus outline):

- Introduction to city logistics systems
- Basic concepts in city logistics
- Logistics systems in sustainable cities
- The influence of city logistics and transport on city development
- Urban environments and their influence on logistics and transport systems
- Sustainable mobility and sustainable development of city logistics
- Transport systems in cities and their characteristics
- Demand and supply models
- Urban consolidation systems
- Managing city mobility
- Basic characteristics of mobilistics
- Mobilistics and transport policy
- Quality in mobilistics
- Mobilistic processes in different transport systems
- Case studies in Europe and worldwide

Temeljni literatura in viri / Textbooks:

- Wolfram M in, Buhrmann S. [2007]. PILOT projekt: Trajnostno mestno prometno načrtovanje. Priročnik. Rupprecht Consult – Forschung & Beratung GmbH.
- Eiichi Taniguchi. [2001]. CITY logistics : network modelling and intelligent transport systems 1st ed. - Amsterdam: Pergamon,
- OECD - ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. [2003]- Delivering the Goods. 21st Century Challenges to Urban Goods Transport. Paris: OECD publications
- Allen, J., Thorne, G. in Browne, M. [2007]. BESTUFS – Primeri dobrih praks tovrnega prometa v urbanih območjih. Konzorcij BESTUFS
- M. Huschebeck, [2001]. Best urban freight solutions (BESTUFS), deliverable D1.1,
- European commission.
- Portal – Pismo gradivo. [2003]. Upravljanje in brzdjanje mestnega prometa [online]: www.eu-portal.net
- Portal – Pismo gradivo. [2003a]. Benchmarking i upravljanje kakovosti v javnem transportu [online]: www.eu-portal.net
- QUATTRO – 4th F.P. project – Quality approach in tendering/contracting urban public transport operations – Final report [1998]. [online]: www.quattro-eul.nl/quattro/uk
- Slovenski standard SIST EN 13816:2003 [2003] Transport – Logistika in storitve – Javni prevoz potnikov – Določitev kakovosti, cilji in merjenje kakovosti storitev. Transportation – Logistics and services – Public passenger transport – service quality definition, targeting and measurement
- Pauko, F.: Potniško prevoznništvo, učbenik; izdaja v samozaložbi Maribor, 2002; COBISS.SI-ID: 6282268.
- Banister, D: Transport policy and the environment, London, New York, Routledge, 1998, ISBN: 0-419-23140-4, COBISS.SI-ID: 18844677.
- Bull, A.: The economics of travel an Tourism, Longman, Malbourne, 1995, ISBN: 0-582-80731-X, COBISS.SI-ID: 157918.
- Jelinovič, Z.: Ekonomika prometa i pomorstva, Informator, Zagreb, 1983, COBISS.SI-ID: 332302.
- UIRS: Trajnostno mestno prometno načrtovanje, Priročnik
- Dodatna literatura:
- Dnevna mobilnost v Sloveniji (ZRC, SAZU)
- HiTrans: Public transport & Land use planning (Best practice guide 1)
- HiTrans: Public transport – Planning the networks (Best practice guide 2)
- HiTrans: Public transport – Urban design (Best practice guide 3)
- HiTrans: Public transport – Citizens' requirements (Best practice guide 5)
- Proceed, Guidelines: Methods for Market Analysis
- Transit Capacity and Quality of Service (TRB Manual)
- Hitrans: Public transport – Mode options and technical solutions (Best practice guide 4)
- PROCEED, Guidelines: Management
- PROCEED, Guidelines: Network and Infrastructure

Cilji:

Cilji predmeta so:

- spoznati značilnosti mestne logistike in transporta,
- posredovati študentu temeljna in specifična, znanja s področja logistike in transporta znotraj urbanih okolij,
- posredovati študentu zavedanje o pomenu upravljanja s transportom in logistiko v mestnih središčih,
- spoznati celovit pristop k reševanju mestne problematike na področju logistike in transporta
- spoznati trende na področju reševanja negativnih vplivov logistike in transporta znotraj urbanih okolij,
- spoznati uspešno prakso pri reševanju problemov logistike in transporta v urbanih okoljih,
- implementacija uspešne prakse v konkretne probleme,
 - pridobijo poglobljena znanja s področja mobilistike,
 - usvojijo specifični strokovni jezik,

Objectives:

Subject goals are:

- introduction to basic characteristics of city logistics and transport,
- to present students with basic and specific knowledge on the field of logistics and transport in urban environments,
- to present students the awareness about the importance of managing transport and logistics in city centres,
- introduce students to holistic approaches to managing the problematic in urban logistics and transport,
- introduce students to trends on the field of managing negative influences of logistics and transport in urban environments,
- introduce students to successful practices in solving problems of logistics and transport in urban environments,
- implementing successful practices to concrete

- se usposobijo za praktično delo zlasti v mestni logistiki in mobilistiki.

problems,

- to present students with comprehensive knowledge from the field of mobilistics,
- to introduce students to specific professional language and terms,
- to qualify students for practical work in city logistics and mobilistics.

Predvideni študijski rezultati:

Znanje in razumevanje:

- Razumevanje pomena upravljanja z logistiko v urbanih okoljih.
- Poznavanje in razumevanje vplivov logistike in transporta na razvoj urbanih središč.
- Spoznati transportni sistem znotraj mest
- Spoznati različne pristope k reševanju problemov mestne logistike in transporta v mestih.
- Razumevanje transportnega sistema v mestih
- Spoznati pomen celovitega pristopa k reševanju problematike logistike in transporta mestih.
- Razumeti sistemski pristop pri iskanju rešitev za mestno logistiko in transport v mestih.

Prenesljive/ključne spretnosti in drugi atributi:

- Sposobnost uporabe različnih pristopov, metod in tehnik pri reševanju problemov logistike v mestih.
- Reševanje problemov in organizacijske sposobnosti .
- Iskanje celovitih trajnostnih rešitev
- Kritično in sistemsko razmišljanje.
- Razumevanje urbanih okolij z njihovimi značilnostmi.
- Študenti se oblikujejo kot samostojno misleči in v reševanje problemov usmerjeni ljudje.
- Sposobnost sodelovati v pripravi državnih, regijskih, mestnih razvojnih dokumentov in načrtov (prostorski, mobilnostni, okoljsko-energetski, prometno varnostni...)
- Obvladati procese načrtovanja, naročanja in kontrole storitev JPP.
- Na praktičnem primeru prepoznati postopke (pasti, napake iz preteklosti) konkretnega, v praksi izpeljanega postopka.

Intended learning outcomes:

Knowledge and Understanding:

- Understanding of importance of managing logistics in urban environments.
- Knowledge and understanding of logistics and transport influence on the development of urban centres.
- Knowledge of transport systems in cities.
- Knowledge of different approaches to solving problems of city logistics and transport in cities.
- Understanding transport systems in cities.
- Knowledge of the importance of holistic approaches to solving the problematics of city logistics and transport.
- Understanding the systems approach to solving the problematics of city logistics and transport.

Transferable/Key Skills and other attributes:

- Ability to use different approaches, methods and techniques in solving the problematics of city logistics and transport.
- Solving problems and organizational skills.
- Searching for holistic sustainable solutions.
- Critical and systems thinking.
- Understanding of urban environments with their characteristics.
- Students develop independent thinking abilities and become problem solving directed persons.
- Ability to cooperate in national, regional, urban development documents and plans (spatial, mobilistic, environmental, energetic, transport safety...).
- Master planning, ordering and control processes in public transport.
- Identify traps and flaws in procedures on a concrete, practical example.

Metode poučevanja in učenja:

- Predavanja: pri predavanjih študent spozna teoretične vsebine predmeta.
- Vaje: pri vajah študent utrdi teoretično znanje in spozna aplikativne možnosti.
- Število študentov pri vajah mora biti prilagojeno modernim učnim in izobraževalnim metodam.

Learning and teaching methods:

- Lectures: the student is presented with theoretical aspects of the subject.
- Seminars: the student gains knowledge of possible applications of theoretical knowledge.
- The number of students attending seminars must be adjusted according to the modern teaching and learning methods.

Načini ocenjevanja: Delež (v %) / Weight (in %)

Assessment:

Pisni izpit, Seminarska naloga, Aktivno sodelovanje na vajah	50 30 20	Type (examination, oral, coursework, project):
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Reference nosilca / Lecturer's references:

- TOPOLŠEK, Darja. Mobilistika - logistika v potniškem prevozništvu : e-gradivo pri predmetu. Celje: Fakulteta za logistiko, 2010. 1 CD-ROM, graf. prikazi. [COBISS.SI-ID 512274493]
- TOPOLŠEK, Darja, LIPIČNIK, Martin, CIZEJ, Rok, ČREŠNIK, Ino, GRANFOLA, Sandra, GROS, Nuša, KRIŽAN, Anita, NAVERŠNIK, Maja, POGELŠEK, Špela, POŽLEP, Vanja, SENČAR, Jerneja, ŠAFRAN, Mirica, ŠTUHEC, Tanja, UŽMAH, Simona, VIZINGER, Tea, ZABUKOVEC, Darja, TAJNIK, Suzana. Načrt trajnostne mobilnosti v povezavi z vzpostavitvijo krožne linije mestnega potniškega prometa na območju Mestne občine Celje : študija primera : poročilo projekta, aplikativni-raziskovalni. Celje: Fakulteta za logistiko, 2010. 1 CD-ROM. [COBISS.SI-ID 512207421]
- ROSI, Bojan, STERNAD, Marjan, TOPOLŠEK, Darja, ČABRAJA, Toni, ZUPANČIČ, Aleksander, HOTKO, Slavko, LAPUH, Andreja. Gospodarsko središče Feniks v Posavju : alternativne lokacije logističnega središča. Krško: Valvazorjev raziskovalni center: = Valvasor's research centre, 2009. 46 str., ilustr., graf. prikazi. [COBISS.SI-ID 512167997]
- ROSI, Bojan, KRIŽANIČ, France, ČABRAJA, Toni, STERNAD, Marjan, TOPOLŠEK, Darja, ZUPANČIČ, Aleksander, STRAŠEK DODIG, Mojca, LOŽAR, Primož, OGOREVC, Suzana, BOŽINOVIČ, Maja, HOTKO, Slavko, ČABRAJA, Marko, LAPUH, Andreja, KOLENC, Urša. Gospodarsko središče Phoenix v Posavju : strokovne podlage za izdelavo državnega prostorskega načrta. Krško: Valvazorjev raziskovalni center: = Valvasor's research centre, 2008. 163, 46 str., ilustr., graf. prikazi. [COBISS.SI-ID 512107325]
- STERNAD, Marjan, SAFRAN, Matjaž, TOPOLŠEK, Darja. International comparative advantage in transport services: : the case of Slovenia. Montenegrin journal of economics, 2011, vol. 8, no. 1, str. 179-186. [COBISS.SI-ID 512414269]
- LIPIČNIK, Martin, TOPOLŠEK, Darja. European logistics strategies. Strategijski menadžment, 2008, god. 13, br. 1, str. 2-9. [COBISS.SI-ID 512106557]
- TOPOLŠEK, Darja, ŽNIDAR, Branko. Logistika novog tisućljeća - smanivanje troškova i kreiranje vrijednosti. Suvremeni promet, 2005, vol. 25, no. 1/2, str. 91-93. [COBISS.SI-ID 12401717]
- TOPOLŠEK, Darja, CVAHTE, Tina. V službi hitrega pretoka blaga. Finance, 20. jan. 2012, št. 14, str. 20. [COBISS.SI-ID 15690037]
- TOPOLŠEK, Darja, STERNAD, Marjan, ROSI, Bojan. Centri so del oskrbovalne verige : distribucijski in logistični centri morajo biti vpeti v zagotavljanje konkurenčnosti celotne oskrbovalne verige. Finance, 12. nov. 2010, št. 220, str. 30-31, fotografija. [COBISS.SI-ID 512282941]
- KRAMAR, Uroš, LIPIČNIK, Martin, TOPOLŠEK, Darja. Contemporary issues in public transport system = Savremeni trendovi u sistemu javnog saobraćaja. V: KATIČ, Vladimir (ur.). XIV Internacionalni naučni skup SM2009 "Strategijski menadžment i sistemi podrške odlučivanju u strategijskom menadžmentu", Subotica-Palić, 21-22 maj, 2009 godine = 14th International Scientific Symposium SM2008 "Strategic Management and Decision Support Systems in Strategic Management", Subotica-Palic, 21-22 may, 2009. Zbornik radova. Subotica: Ekonomski fakultet, 2009, 12 f. [COBISS.SI-ID 512170301]
- TOPOLŠEK, Darja, LIPIČNIK, Martin. Distribution centre location model. V: KOVALEV, Ivan Vladimirovich (ur.). IV International scientifically-practical conferences (on February, 5-6th 2009, Krasnojarsk). Logistika i ekonomika regionov : materialy IV Meždunarodnoj naučno-praktičeskoj konferencii (5-6 febral' 2009, Krasnojarsk) : materials IV International scientifically-practical conferences (on February, 5-6th 2009, Krasnojarsk). Krasnojarsk: Sibirskij gosudarstvennyj aerokozmičeskij universitet imeni akademika M. F. Rešetneva, cop. 2009, str. 40-44. [COBISS.SI-ID 512115005]