UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	SPECIFIČNI ELEMENTI TRANSPORTNEGA SISTEMA
Course title:	SPECIFIC ELEMENTS OF TRANSPORT SYSTEM

Študijski program in stopnja Study programme and level	Študijskasmer Study field	Letnik Academic year	Semester Semester
GOSPODARSKA IN TEHNIŠKA LOGISTIKA 1. stopnja		3.	5.
PROFESSIONAL HIGHER EDUCATION STUDY PROGRAMME ECONOMIC AND TECHNICAL LOGISTICS 1. degree			

Vrstapredmeta / Course type	IZBIRNI
Univerzitetnakodapredmeta / University course code:	VS

Predavanja Lectures	Seminar Seminar	vaje Tutorial	Kliničnevaje Laboratory work	Drugeoblikeštudija Field work	Samost. delo Individ. work	ECTS
24 e-P 21 a-P		24 e-V 21 a-V			90	6

Nosilec predmeta / Lecturer:	BOJAN ROSI
Jeziki / Languages: Predavanja / Lectures:	SLOVENSKI / SLOVENE
Vaje / Tutorial:	SLOVENSKI / SLOVENE

Pogojizavključitev v delo oz. zaopravljanještudijskihobveznosti:	Prerequisits:
Ni pogojev.	None

Vsebina:	Content (Syllabus outline):
▪ Osnovne značilnosti transportnih sistemov ▪ Prometna politka. ▪ Področja inteligentnih transportnih sistemov. ▪ Navigacijski sistemi. ▪ Posebni vidiki transporta. ▪ Izredni prevozi ▪ Hladne verige	▪ Basic characteristcs of transport systems ▪ Transport policy ▪ Research areas of intelligent transport systems. ▪ Navigation. ▪ Specific types of transport ▪ Cold chain.

Temeljniliteratura in viri / Readings:

Rosi, B., Sternad, M., Sodobni transportni sistemi e-gradivo
Rosi, B., Sternad, M. Prometni sistemi e-gradivo. Celje, 2007 .
Gilbert, R., Perl, A. Transport revolutions, London, 2008.
Williams, Bob. Intelligent transport systems standards. 2008.
Stough, Roger. Intelligent transport systems: cases and policies. 2001.
Mahmassani, H: Transportation and traffic theory, Elsevier science, 2005, ISBN-10: 0080446809
Transportation Science: The publication of the Transportation Science Section of INFORMS, ISSN: 0041-1655, Linthicum, Transporation Science Section of ORSA., 1967-, COBISS.SI-ID: 26552576.
Transportation Research (part A, B, C), ISSN 0041-1647 Vol. 13, No. 1 (1979)-,Oxford, New York: Pergamon Press., 1979, COBISS.SI-ID: 26552064.
Resolucija o prometni politiki Republike Slovenije, Ljubljana, 2006.
Evropska Komisija: Evropska prometna politika do 2010: Čas za odločitev, Bruselj, 2001.
Evropska Komisija: Vmesno poročilo o učinkovitosti apliciranih ukrepov Evropske prometne politike, Bruselj, 2006

Cilji in kompetence:

Študenti:

- osvojijo pojme o transportnem sistemu, transportu in prometni politiki;
- razumejo generično teorijo transporta;
- se naučijo razlikovati sistemski pristop od disciplinarnega razlikovanja prometa in logistike;
- se usposobijo za koherentno uvajanje tehničnih in tehnoloških, organizacijskih in drugih znanj o transportnih sistemih,
- spoznajo primere posebnih vrst transporta.

Objectives and competences:

Students:

- Learn about transport systems, transport and transport policy
- Understand transport theory
- Learn to differentiate the systemic from the disciplinary approach to traffic and logistics
- Are trained to coherently integrate technical, technological and organizational knowledge on intelligent transport systems
- Are familiarized with specific types of transport

Predvideni študijski rezultati:

Znanje in razumevanje:

- tehnologije, tehnike in organizacije transportnih sistemov;
- sistemskega razmišljanja in delovanja;
- kompleksnosti transportnih sistemov.

Prenesljive/ključne spretnosti in drugi atributi:

- Študenti se usposobijo za uporabo teoretičnega znanja v praktičnih (poslovnih) primerih.

Intended learning outcomes:

Knowledge and understanding:

- technologies, techniques and organizations of transport systems
- systemic thinking and operations,
- complexities of transport systems

Transferable/Key Skills and other attributes:

- Students learn to apply their theoretical knowledge to practical situations

Metodepoučevanja in učenja:

Predavanja: pri predavanjih študent spozna teoretične vsebine predmeta. Del predavanj se izvaja na klasičnin ačin v predavalnici, del pa v obliki e-predavanj (e-predavanja se lahkoizvajajonavideokonferenčninačinali s pomočjoposebej 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 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-seminars may be given via video-conferencing or with the help of specially designed e-material in a virtual electronic learning environment).

Načiniocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
▪ Pisni izpit ▪ Seminarska naloga	▪ 80 ▪ 20	▪ Written examination ▪ Individual course papers

Reference nosilca / Lecturer's references:

1. JEREB, Borut, IVANUŠA, Teodora, ROSI, Bojan. Systemic thinking and requisite holism in mastering logistics risks : the model for identifying risks in organisations and supply chain. *Amfiteatru econ.*, Feb. 2013, vol. 15, no. 33, str. 56-73, tabele. http://www.amfiteatrueconomic.ro/ArticolEN.aspx?CodArticol=1175.

2. LERHER, Tone, EDL, Milan, ROSI, Bojan. Energy efficiency model for the mini-load automated storage and retrieval systems. *Int. j. adv. manuf. technol.*, August 2013, doi: 10.1007/s00170-013-5253-x.

3 ROSI, Bojan, MULEJ, Matjaž. Diminishing traffic negative impacts over natural environment by a requisitely holistic approach to logistics. *Logistics and sustainable transport*, 22-05-07, vol. 1, iss. 1, 13 str. http://www.jlst.sla.si/uploads/transportokolje_rosimulej.pdf.

4. LISEC, Andrej, ROSI, Bojan, KAVRAN, Zvonko. Holistic thinking aproach : case study of post network in Slovenia. *Promet (Zagreb)*, 2008, vol. 20, no. 2, str. 79-86.

5. ROSI, Bojan, KRAMBERGER, Tomaž. *Ali stepripravljenidialektičnoomrežnorazmišljati?*. Maribor: RoBo, 2008. 296 str., ilustr.,tabele. ISBN 978-961-92334-0-5.

6. ROSI, Bojan. Development of transport infrastructure in Slovenia. V: SCHENK, Winfried (ur.), SCHENK, Tilman A. (ur.). *ForschungimSpannungsfeldzwischenGeographie und Ökonomie :zum 65. Geburtstag von KonradSchliephake*, (WürzburgerGeographischeManuskripte, Heft 75). Würzburg: InstitutfürGeographie der Universität, cop. 2009, str. 54-60.

7. KNEZ, Matjaž, ROSI, Bojan, MULEJ, Matjaž, LIPIČNIK, Martin. Competitiveness by requisitely holistic and innovative logistic management. *Promet (Zagreb)*, 2010, vol. 22, no. 3, str. 229-237.