

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta: TRANSPORTNA EKONOMIKA
Course title: TRANSPORT ECONOMICS

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
GOSPODARSKA IN TEHNIŠKA LOGISTIKA 1. stopnja		3.	5.
PROFESSIONAL HIGHER EDUCATION STUDY PROGRAMME ECONOMIC AND TECHNICAL LOGISTICS 1 st degree		3.	5.

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

IZBIRNI
ELECTIVE

Univerzitetna koda predmeta / University course code:

VS

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
15 e-P 30 a-P		15 e-V 30 a-V			90	6

**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):

- Opredelitev transportne ekonomike
- Transportni trg in regulacija
- Mednarodni transport in Incoterms-i
- Določanje cene transporta
- Organizacija in učinkovitost transportnih sistemov
- Organizacija transporta
- Planiranje transportnih poti
- Transportni stroški
- Tarife in tarifni sistemi
- Prometna politika
- Značilnosti mednarodnega transporta

Content (syllabus outline):

- Definition of transport economics
- Transport market and regulation
- International transport and Incoterms
- Pricing of transportation
- Organization and efficiency of transportation systems
- Organization of transport
- Planning transport routes
- Transport costs
- Tariff systems
- Transport policy
- Characteristics of international transport

Temeljni literatura in viri / Reading materials:

E-gradivo predmeta.
Sternad, M. Transportna ekonomika e-gradivo. Celje, 2017.
Rosi, B., Sternad, M., Sodobni transportni sistemi e-gradivo
Rosi, B., Sternad, M. Tarifni sistemi, Celje, 2009.
Rosi, B., Sternad, M. Prometni sistemi e-gradivo. Celje, 2007.
Button, K. Transport economics, USA, 2010.
Blauwens, G., De Baere, P., Van de Voorde, E. Transport economics, Antwerpen, 2010.
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.

Cilji in kompetence:

Študenti:

- nadgradijo znanje o transportnem sistemu, transportu in prometni politiki,
- znajo organizirati in planirati transportni proces,
- generično teorijo transporta prenašajo v prakso,
- se naučijo razlikovati sistemski pristop od disciplinarnega razlikovanja prometa in logistike,
- ekonomijo povezujejo s transportom,
- uporabijo tehnična in tehnološka, organizacijska in druga znanja o transportnih sistemih v konkretnih praktičnih primerih,
- analizirajo ekonomiko posebnih vrst transporta.

Objectives and competences:

Students:

- upgrade knowledge on transport systems, transport and transport policy,
- are able to organize and plan transport processes,
- transport theory transferred to practice,
- learn to differentiate the systemic from the disciplinary approach to traffic and logistics,
- they connect the economy with transport,
- are trained to coherently integrate and apply technical, technological and organizational knowledge on intelligent transport systems in concrete practical cases,
- analyze the economics of specific types of transport.

Predvideni študijski rezultati:

Znanje in razumevanje:

- organizacije in ekonomike transportnih sistemov,
- sistemskega razmišljanja in delovanja,
- stroškovne funkcije,
- kompleksnosti transportnih sistemov.

Prenesljive/ključne spretnosti in drugi atributi:

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

Intended learning outcomes:

Knowledge and understanding:

- organizations and economics of transport systems,
- systemic thinking and operations,
- cost functions,
- complexities of transport systems.

Transferable/Key Skills and other attributes:

Students learn to apply and analyse their theoretical knowledge to practical situations.

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).

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).

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).

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).

Načini ocenjevanja:	Delež (v %) / Share (in %)	Assessment methods:
Opravljene obveznosti e-predavanj in e-vaj so pogoj za pristop k izpitu. <ul style="list-style-type: none"> ▪ Pisni izpit. ▪ Seminarska naloga. 	80% 20%	Successful completion of e-lectures and e-tutorials is a prerequisite for entering the exam. <ul style="list-style-type: none"> ▪ Written examination. ▪ Individual course papers.

Reference nosilca / Course coordinator's references:

1. STERNAD, Marjan. Transport cost function : case of Slovenian regional rail lines. V: DRAŠKOVIČ, 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. 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.
4. 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.
5. STERNAD, Marjan. Competitiveness of regional railways in Slovenia. V: DOLINOV, F. F. (ur.). *Logističke sistemy v global'noj èkonomike : materialy V meždunarodnoj naučno-praktičeskoj konferencii (2-3 aprlja 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.