

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

<b>Ime predmeta:</b>	TRANSPORT V LOGISTIČNEM SISTEMU
<b>Course title:</b>	TRANSPORT IN THE LOGISTICS SYSTEM

<b>Študijski program in stopnja</b> Study programme and cycle	<b>Študijska smer</b> Study option	<b>Letnik</b> Year of study	<b>Semester</b> Semester
GOSPODARSKA IN TEHNIŠKA LOGISTIKA 1. stopnja		1.	2.
PROFESSIONAL HIGHER EDUCATION STUDY PROGRAMME ECONOMIC AND TECHNICAL LOGISTICS 1 <sup>st</sup> degree		1.	2.

<b>Vrsta predmeta (obvezni ali izbirni) /</b> Course type (compulsory or elective)	OBVEZNI
	COMPULSORY

<b>Univerzitetna koda predmeta / University course code:</b>	VS
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<b>Predavanja</b> Lectures	<b>Seminar</b> Seminar	<b>Vaje</b> Tutorial	<b>Klinične vaje</b> Clinical training	<b>Druge oblike študija</b> Other forms of study	<b>Samost. delo</b> Individual work	<b>ECTS</b>
24 e-P 21 a-P		24 e-V 21 a-V			150	8

<b>Nosilec predmeta / Course coordinator:</b>	DARJA TOPOLŠEK
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<b>Jeziki /Languages:</b>	<b>Predavanja / Lectures:</b>	SLOVENSKI/SLOVENE
	<b>Vaje / Tutorial:</b>	SLOVENSKI/SLOVENE

<b>Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:</b>	<b>Prerequisites for enrolling in the course or for performing study obligations:</b>
Ni pogojev.	None.

<b>Vsebina (kratek pregled učnega načrta):</b>	<b>Content (syllabus outline):</b>
<ul style="list-style-type: none"> <li>• Vloga transporta v logističnih verigah.</li> <li>• Značilnosti, infrastruktura, suprastruktura in tehnologije različnih transportnih vej.</li> <li>• Sodobni vidiki transportnih tehnologij, unitizacije tovora in manipulacij.</li> <li>• Transportne operacije in procesi.</li> <li>• Vloga podpornih dejavnosti pri transportu in logistiki.</li> <li>• Vrste in značilnosti tovorov in blaga.</li> <li>• Posebni pogoji transporta glede na specifične tovora.</li> <li>• Sledenje tovora.</li> </ul>	<ul style="list-style-type: none"> <li>• The role of transport in logistics chains.</li> <li>• Characteristics, infrastructure, suprastructure and technologies of different transport branches.</li> <li>• Modern aspects of transportation technologies, cargo unitization and manipulation.</li> <li>• Transport operations and processes.</li> <li>• The role of support activities in transportation and logistics.</li> <li>• Types and characteristics of cargo and goods.</li> <li>• Special conditions of transport depending on the specifics of the cargo.</li> <li>• Cargo tracking.</li> </ul>

<ul style="list-style-type: none"> <li>• Varnost pri delu in varovanje tovora v transportu.</li> <li>• Regulativa in dokumentacija v transportu.</li> </ul>	<ul style="list-style-type: none"> <li>• Safety at work and cargo protection during transport.</li> <li>• Transport regulations and documentation.</li> </ul>
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#### Temeljni literatura in viri / Reading materials:

<ul style="list-style-type: none"> <li>• TOPOLŠEK, Darja, CVAHTE OJSTERŠEK, Tina. Transport v logističnem sistemu : visokošolski učbenik. 1st electronic ed. Celje: Fakulteta za logistiko, 2016. ISBN 978-961-6962-18-6. <a href="https://estudij.um.si/mod/data/view.php?id=74418">https://estudij.um.si/mod/data/view.php?id=74418</a>. [COBISS.SI-ID 284727296].</li> <li>• Topolšek, D. (2012). <i>Transportne tehnike, tehnologije in infrastruktura</i> : e-gradivo. Celje: Fakulteta za logistiko UM.</li> <li>• Zelenika, R., Jakomin, L. (1995). <i>Suvremeni transportni sustavi</i>. Rijeka: Ekonomski fakultet.</li> <li>• Stroh, M. B. (2006). <i>A Practical Guide to Transportation and Logistics</i>. Dumont: Logistics Network.</li> <li>• Novack, C. Bardi, G. (2011). <i>Management of transportation</i>. Avstralija: South-Western Cengage Learning.</li> <li>• Harris, J. (2010). <i>Transportation : the impact of science and technology</i>. Pleasantville N.J.: Gareth Stevens Pub.</li> </ul>
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#### Cilji in kompetence:

<p>Študenti pri tem predmetu:</p> <ul style="list-style-type: none"> <li>• spoznajo značilnosti in uporabo transportne infrastrukture, suprastrukture in procesov,</li> <li>• poznajo načine nadzora in koordinacije transportnih operacij,</li> <li>• poznajo modalitete transporta in razumejo proces izbire,</li> <li>• poznajo karakteristike različnih tipov blaga,</li> <li>• poznajo sistem sledenja pošiljk in toka materiala,</li> <li>• poznajo sodobne transportne tehnologije,</li> <li>• poznajo sisteme varnosti in varovanja tovora.</li> </ul>
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#### Objectives and competences:

<p>Students will:</p> <ul style="list-style-type: none"> <li>• understand the characteristics and use of transport infrastructure, superstructure and processes,</li> <li>• to know how to monitor and coordinate transport operations,</li> <li>• learn about transport modalities and understand the selection process,</li> <li>• to know the characteristics of different types of goods,</li> <li>• to know the shipment tracking system and material flow,</li> <li>• acquainted with modern transport technologies,</li> <li>• become familiar with cargo security and safety systems.</li> </ul>
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#### Predvideni študijski rezultati:

<p>Znanje in razumevanje:</p> <ul style="list-style-type: none"> <li>• konkretnih možnosti uporabe infra- in suprastrukture za izvajanje transportnih storitev v logistiki,</li> <li>• uporabe sodobnih tehnoloških transportnih elementov,</li> <li>• elementov, ki vplivajo na načrtovanje in izvajanje transportnih operacij.</li> </ul> <p>Prenesljive/ključne spretnosti in drugi atributi:</p> <ul style="list-style-type: none"> <li>• študenti se usposobijo za uporabo teoretičnega znanja v praktičnih primerih.</li> </ul>
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#### Intended learning outcomes:

<p>Knowledge and understanding:</p> <ul style="list-style-type: none"> <li>• of concrete possibilities of infra- and suprastructure use for transport services in logistics,</li> <li>• use of contemporary technological transport elements,</li> <li>• of elements that affect the planning and executing of transport operations.</li> </ul> <p>Transferable/Key Skills and other attributes:</p> <ul style="list-style-type: none"> <li>• the ability to apply theoretical knowledge to professional practice.</li> </ul>
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**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-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).

**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-tutorials may be given via video-conferencing or with the help of specially designed e-material in a virtual electronic learning environment).

<b>Načini ocenjevanja:</b>	<b>Delež (v %) / Share (in %)</b>	<b>Assessment methods:</b>
<p>Opravljenosti obveznosti e-predavanj in e-vaj ter izdelana seminarska naloga so pogoj za pristop k izpitu.</p> <ul style="list-style-type: none"> <li>• Pisni izpit.</li> <li>• Ocena iz vaj (seminarska naloga in sprotno delo).</li> </ul>	<p>70%</p> <p>30%</p>	<p>Completed assignments from e-lectures and e-tutorials and a completed seminar paper are prerequisites for attending the written examination</p> <ul style="list-style-type: none"> <li>• Written examination.</li> <li>• Tutorial grade (seminar paper and individual assignments).</li> </ul>

**Reference nosilca / Course coordinator's references:**

1. TOPOLŠEK, Darja, ČIŽUNIENE, Kristina, CVAHTE OJSTERŠEK, Tina. Defining transport logistics : a literature review and practitioner opinion based approach. Transport, ISSN 1648-4142. [Print ed.], 2018, vol. 33, iss. 5.
2. STERNAD, Marjan, CVAHTE OJSTERŠEK, 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.
3. CVAHTE OJSTERŠEK, Tina, TOPOLŠEK, Darja, STERNAD, Marjan. The impact of clustering on transport companies. Production Engineering Archives, ISSN 2353-5156, 2015, vol. 7, no. 2.
4. 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.
5. TOPOLŠEK, Darja, HRIBAR, Suzana, STERNAD, Marjan. Road traffic safety in conjunction with in-vehicle ITS. Transport problems : international scientific journal, ISSN 1896-0596. [Printed ed.], 2014, vol. 9, iss. 2.