

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

**Ime predmeta:** TRANSPORT V LOGISTIČNEM SISTEMU  
**Course title:** TRANSPORT IN THE LOGISTICS SYSTEM

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester 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.

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

OBVEZNI  
COMPULSORY

**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
21 e-P 24 a-P		15 e-V 30 a-V			90	6

**Nosilec predmeta / Course  
coordinator:**

DARJA TOPOLŠEK

**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):**

- Vloga transporta v logističnih verigah.
- Značilnosti, infrastruktura, suprastruktura in tehnologije različnih transportnih vej.
- Sodobni vidiki transportnih tehnologij, unitizacije tovora in manipulacij.
- Transportne operacije in procesi.
- Vrste in značilnosti tovorov in blaga in
- Posebni pogoji transporta glede na specifikke tovora.
- Varnost pri delu in varovanje tovora v transportu.
- Regulativa in dokumentacija v transportu.

**Content (syllabus outline):**

- The role of transport in logistics chains.
- Characteristics, infrastructure, suprastructure and technologies of different transport branches.
- Modern aspects of transportation technologies, cargo unitization and manipulation.
- Transport operations and processes.
- Types and characteristics of cargo and goods.
- Special conditions of transport depending on the specifics of the cargo.
- Safety at work and cargo protection during transport.
- Transport regulations and documentation.

**Temeljni literatura in viri / Reading materials:**

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. <https://estudij.um.si/mod/data/view.php?id=74418>. [COBISS.SI-ID 284727296].

Topolšek, D. (2012). *Transportne tehnike, tehnologije in infrastruktura* : e-gradivo. Celje: Fakulteta za logistiko UM.

Teodorović, D., Janić, M. (2017). *Transportation Engineering theory, practice and modeling*. Elsevier.

Novack, C. Bardi, G. (2011). *Management of transportation*. Avstralija: South-Western Cengage Learning.

Sarder, M. D. (2021). *Logistics Transportation Systems*. Elsevier.

**Cilji in kompetence:**

Cilji predmeta so:

- opredeliti transport v logističnem sistemu
- teoretično opredeliti značilnosti posameznih modalitet
- teoretično opredeliti in praktično razložiti sodobne transportne tehnologije
- opredeliti transportne operacije in procese
- opredeliti teoretično in praktično značilnosti blaga in posebne pogoje transporta teh vrst blaga
- teoretično opredeliti sisteme varnosti pri delu in varovanje tovora
- podati regulativni vidik v transportu

Kompetence, ki jih pridobijo študenti:

- spoznajo značilnosti in uporabo transportne infrastrukture, suprastrukture in procesov,
- poznajo načine nadzora in koordinacije transportnih operacij,
- poznajo modalitete transporta in razumejo proces izbire,
- poznajo karakteristike različnih tipov blaga,
- poznajo sodobne transportne tehnologije,
- poznajo sisteme varnosti in varovanja tovora.

**Objectives and competences:**

The objectives of the course are to:

- define transport in a logistics system,
- theoretically define characteristics of transport modalities,
- theoretically define and practically show contemporary transport technologies,
- define transport operations and processes,
- define theoretical and practical characteristics of goods and special conditions for transporting special cargo,
- theoretically define systems of workplace security and cargo securing,
- define the regulations aspect of transport.

Competencies acquired by students:

- understand the characteristics and use of transport infrastructure, superstructure and processes,
- to know how to monitor and coordinate transport operations,
- learn about transport modalities and understand the selection process,
- to know the characteristics of different types of goods,
- acquainted with modern transport technologies,
- become familiar with cargo security and safety systems.

**Predvideni študijski rezultati:**

Znanje in razumevanje:

Študent bo ob zaključku predmeta zmožen:

- sprejemati konkretne odločitve o možnostih uporabe infra- in supra-strukture za izvajanje transportnih storitev v logistiki,
- uporabiti sodobne tehnološke transportne elemente,

**Intended learning outcomes:**

Knowledge and understanding:

After completion of the course, the student will be able to:

- make decisions about possibilities of infra- and suprastructure use for transport services in logistics,
- use contemporary technological transport elements,

- poiskati elemente, ki vplivajo na načrtovanje in izvajanje transportnih operacij.

Prenesljive/ključne spretnosti in drugi atributi:

- študenti se usposobijo za uporabo teoretičnega znanja v praktičnih primerih.

- find elements that affect the planning and executing of transport operations.

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-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).

**Načini ocenjevanja:**

Delež (v %) /  
Share (in %)

**Assessment methods:**

Opravljenosti obveznosti e-predavanj in e-vaj ter izdelana seminarska naloga so pogoj za pristop k izpitu.

- Pisni izpit.
- Ocena e-predavanj.
- Seminarska naloga pri vajah.
- Ocena e-vaj.

70%  
5 %  
10 %  
15 %

Completed assignments from e-lectures and e-tutorials and a completed seminar paper are prerequisites for attending the written examination

- Written examination.
- Grade from e-lectures.
- Seminar paper from tutorials.
- Grade from e-tutorials.

**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.