

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

<b>Ime predmeta:</b>	PROBLEM IZBIRE PRISTANIŠČA IN NJEGOVE APLIKACIJE
<b>Course title:</b>	PORT CHOICE PROBLEM AND ITS APPLICATION

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
LOGISTIKA SISTEMOV 3. stopnja		1.	1. in 2.
SYSTEM LOGISTICS 3 <sup>rd</sup> degree		1.	1. in 2.

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

<b>Univerzitetna koda predmeta / University course code:</b>	DR
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Predavanja Lectures	Seminar Seminar	Vaje Tutorial			Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
20		AV	LV	RV			160	6

<b>Nosilec predmeta / Course coordinator:</b>	TOMAŽ KRAMBERGER
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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>
<ol style="list-style-type: none"> <li>Spoznavanje s problemom PCP (Port Choice Problem). Študij relevantne znanstvene literature iz področja.</li> <li>Študij metodoloških pristopov uporabljenih v delih iz znanstvene literature tega področja.</li> <li>Uporaba metodologij v konkretnem primeru.</li> <li>Študija aplikacij rešitev na drugih področjih v logistiki in Transportu.</li> </ol>	<ol style="list-style-type: none"> <li>Getting familiarized with the Port Choice Problem (PCP). Studying relevant scientific literature from this field.</li> <li>Studying methodological approaches used in scientific sources from this field.</li> <li>Applying methodologies to concrete cases.</li> <li>Studying applications of solutions to other fields in logistics and transport.</li> </ol>

<b>Temeljni literatura in viri / Reading materials:</b>
<p>Kronbak, Jacob, Cullinane, Kevin. Captive and Contestable Port Hinterlands - Modelling and Visualisation using GIS. The International Handbook of Maritime Economics. ed. / Kevin Cullinane. UK : Edward Elgar Publishing, Incorporated, 2010. p. 348-363.</p> <p>Kramberger, Tomaž, Rupnik, Bojan, Štrubelj, Gregor, Prah, Klemen. Port hinterland modelling based on port choice. <i>Promet</i>, ISSN 0353-5320. [Print ed.], 2015, vol. 27, no. 3, str. 195-203.</p> <p>Kramberger, Tomaž, Monios, Jason, Štrubelj, Gregor, Rupnik, Bojan. Using dry ports for port co-opetition: the case of adriatic ports. <i>International Journal of Shipping and Transport Logistics</i>.</p>

Kramberger, Tomaž, Vojko Potočan, and Vesna Mia Ipavec. Sustainable Logistics and Strategic Transportation Planning. IGI Global, 2016. 1-511.

**Cilji in kompetence:**

- Študent spozna in razume problem imenovan Problem izbire pristanišča.
- Študent zna rešiti problem na katerikoli množici vhodnih podatkov.
- Študent se nauči iskati še druge možnosti uporabe rešitve PCP problema na drugih področjih Logistike in Transporta.

**Objectives and competences:**

- Student is acquainted with and understands the Port Choice Problem.
- Student can provide solutions to any set of input information.
- Student learns how to recognise other possible applications of solutions to PCP in other fields of logistics and transportation.

**Predvideni študijski rezultati:**

- Po zaključku predmeta bo študent sposoben:
- Povezati teoretična znanja s področja predmetov študijskega programa in jih uporabiti za izvajanje zastavljenih nalog.
  - Samostojno definirati problem in ga rešiti.
  - Uporabiti metode reševanja PCP problema še na drugih področjih raziskovanja.

**Intended learning outcomes:**

- On completion of the course, the student will be able to:
- Consolidate theoretical knowledge gained in all the courses of the study programme and use it in solving different tasks.
  - Independently define a problem and solve it.
  - Apply methods used in solving PCP to other research fields.

**Metode poučevanja in učenja:**

- Avditorna predavanja.
- Raziskovalno delo z mentorjem.
- Samostojno raziskovalno delo.

**Learning and teaching methods:**

- Face-to-face lectures.
- Research work with a mentor.
- Individual research work.

Načini ocenjevanja:	Delež (v %) / Share (in %)	Assessment methods:
▪ Ocena poročila,	70%	▪ Final report,
▪ javna predstavitev.	30%	▪ public presentation.

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

1. BUTTON, Kenneth John, CHIN, Anthony Thengheng, KRAMBERGER, Tomaž. Incorporating subjective elements into liners' seaport choice assessments. *Transport policy*, ISSN 0967-070X. [Print ed.], 2015, vol. 44, str. 125-133. [COBISS.SI-ID [512686141](#)], [JCR, SNIP, WoS do 14. 11. 2015: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 26. 8. 2015: št. citatov (TC): 0, čistih citatov (CI): 0].
2. KRAMBERGER, Tomaž, ŽEROVNIK, Janez, ŠTRUBELJ, Gregor, PRAH, Klemen. GIS technology as an environment for testing an advanced mathematical model for optimization of road maintenance. *Central European Journal of Operations Research*, ISSN 1435-246X, June 2013, vol. 21, issue 1-Supplement, str. 59-73, doi: [10.1007/s10100-012-0265-4](#). [COBISS.SI-ID [512429885](#)], [JCR, SNIP, WoS do 17. 9. 2013: št. citatov (TC): 1, čistih citatov (CI): 0, Scopus do 31. 8. 2017: št. citatov (TC): 2, čistih citatov (CI): 1].
3. KRAMBERGER, Tomaž, DRAGAN, Dejan, PRAH, Klemen. A heuristic approach to reduce carbon dioxide emissions. *Proceedings of the Institution of Civil Engineers - Transport*, ISSN 0965-092X. [Print ed.], Okt. 2014, vol. 167, iss. 5, str. 296-305. <http://www.icevirtuallibrary.com/content/article/10.1680/tran.11.00053>, doi: [10.1680/tran.11.00053](#). [COBISS.SI-ID [512554557](#)], [JCR, SNIP, WoS do 12. 1. 2015: št. citatov (TC): 1, čistih citatov (CI): 1, Scopus do 16. 6. 2015: št. citatov (TC): 1, čistih citatov (CI): 1].
4. BUTTON, Kenneth John, KRAMBERGER, Tomaž, VIZINGER, Tea, INTIHAR, Marko. Economic implications for Adriatic seaport regions of further opening of the Northern Sea Route. *Maritime economics & logistics*, ISSN 1479-294X. [Spletna izd.], Mar. 2017, vol. 19, iss. 1, str. 52-67, ilustr. <http://www.palgrave-journals.com/mel/journal/vaop/ncurrent/abs/mel201525a.html>, doi: [10.1057/mel.2015.25](#). [COBISS.SI-

- ID [512702781](#)], [JCR, SNIP, WoS do 2. 6. 2017: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 13. 5. 2017: št. citatov (TC): 0, čistih citatov (CI): 0].
5. KRAMBERGER, Tomaž, RUPNIK, Bojan, ŠTRUBELJ, Gregor, PRAH, Klemen. Port hinterland modelling based on port choice. *Promet*, ISSN 0353-5320. [Print ed.], 2015, vol. 27, no. 3, str. 195-203, ilustr. <http://www.fpz.unizg.hr/traffic/index.php/PROMTT/article/view/1611>, doi: [10.7307/ptt.v27i3.1611](https://doi.org/10.7307/ptt.v27i3.1611). [COBISS.SI-ID [512689725](#)], [JCR, SNIP, WoS do 26. 2. 2017: št. citatov (TC): 2, čistih citatov (CI): 2, Scopus do 31. 8. 2017: št. citatov (TC): 4, čistih citatov (CI): 2].
6. BUTTON, Kenneth John, KRAMBERGER, Tomaž. European Union expansion and seaport efficiency in the North Adriatic. *Applied economics letters*, ISSN 1466-4291, vol. 22, no. 9, str. 700-703. <http://www.tandfonline.com/doi/full/10.1080/13504851.2014.969822#.VGx2t2d49hl>, doi: [10.1080/13504851.2014.969822](https://doi.org/10.1080/13504851.2014.969822). [COBISS.SI-ID [512596541](#)], [JCR, SNIP, WoS do 25. 6. 2017: št. citatov (TC): 1, čistih citatov (CI): 0, Scopus do 31. 8. 2017: št. citatov (TC): 1, čistih citatov (CI): 0].
7. DRAGAN, Dejan, VIZINGER, Tea, INTIHAR, Marko, KRAMBERGER, Tomaž, FOŠNER, Maja, PRAH, Klemen. Reconstruction of delivery positions in the city of Celje, Slovenia. *Transport problems : international scientific journal*, ISSN 1896-0596. [Printed ed.], 2013, vol. 8, iss. 2, str. 11-24. [http://www.transportproblems.polsl.pl/pl/Archiwum/2013/zeszyt2/2013t8z2\\_02.pdf](http://www.transportproblems.polsl.pl/pl/Archiwum/2013/zeszyt2/2013t8z2_02.pdf). [COBISS.SI-ID [512516157](#)], [SNIP, Scopus do 17. 8. 2013: št. citatov (TC): 0, čistih citatov (CI): 0].
8. KRAMBERGER, Tomaž, KRAMAR, Uroš, ČURIN, Andreja, CEDILNIK, Marko, LIPIČNIK, Martin, TAJNŠEK, Viktor. Fiscal impact of electronic fee collection system on long-run efficiency. *Transport problems : international scientific journal*, ISSN 1896-0596. [Printed ed.], 2012, vol. 7, iss. 2, str. 5-13. [http://transportproblems.polsl.pl/pl/Archiwum/2012/zeszyt2/2012t7z2\\_01.pdf](http://transportproblems.polsl.pl/pl/Archiwum/2012/zeszyt2/2012t7z2_01.pdf). [COBISS.SI-ID [512414781](#)], [SNIP, Scopus do 17. 5. 2013: št. citatov (TC): 0, čistih citatov (CI): 0].