

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	LOGISTIČNI SISTEMI IN LOGISTIČNE VERIGE
Subject Title:	LOGISTICS SYSTEMS AND LOGISTICS CHAINS

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
LOGISTIKA SISTEMOV		1	1.
LOGISTICS OF SYSTEMS			

Vrsta predmeta / Course type: Obvezni / Core subject

Univerzitetna koda predmeta / University course code: DR

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Lab work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
20		10			510	18

Nosilec predmeta / Lecturer: KOVAČIČ ANDREJ

Jeziki / Languages: Predavanja/ Lecture: SLOVENSKI / SLOVENE
 Vaje / Tutorial: SLOVENSKI / SLOVENE

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Ni pogojev.

Prerequisites:

None.

Vsebina:

Znanstveno raziskovalno delo na področju oskrbnih verig, logističnih sistemov in logističnih verig.
 Filozofija upravljanja, vodenja in nadzora celovitih oskrbovalnih verig.
 Determiniranje nalog in izzivi učinkovitega upravljanja z oskrbovalnimi verigami.
 Preučevanje notranjih procesov in odnosov oskrbovalnih verig.
 Modeliranje notranjih procesov in optimiranje stanj celovitih oskrbovalnih verig.
 Predmet se navezuje na vsebine predmetov dodiplomskega in magistrskega študija.

Content (Syllabus outline):

Academic research in the field of supply chains, logistics systems and logistics chains.
 Philosophy of managing, operating and controlling integrated supply chains.
 Determining tasks and challenges of effective supply chain management.
 Studying internal processes and relationships of supply chains
 Modelling internal processes and optimising integrated supply chain situations
 The module refers to undergraduate and postgraduate masters courses.

Temeljni literatura in viri / Textbooks:

Handfield, R., B.: Introduction to supply chain management, Prentice Hall, London, 1999, ISBN: 0-13-621616-1, COBISS.SI-ID: 101335
 Zuckerman, A.: Supply chain management, Oxford (UK), Capstone, 2002, ISBN: 1-84112-244-0, COBISS.SI-ID: 528599
 Ballou, R.: Business Logistics/Supply Chain Management. Academic Internet Publishers, Inc., UK (2006), ISBN-13: 978-1428807754.
 Knolmayer, G.: Supply chain management based on SAP systems : order management in manufacturing companies : with 81 figures and 19 tables, Berlin, Heidelberg, New York, 2002, ISBN: 3-540-66952-3, COBISS.SI-ID: 22302469
 Günther, H. O., Mattfeld, D. C., Suhl, L. Supply Chain Management und Logistik: Optimierung, Simulation, Decision Support. Physica-Verlag Heidelberg. Germany(2005), ISBN-13: 978-3790815764.
 Vollmann, T.E., Berry, W. L., Whybark, D.C., Jacobs, F. R., Vollmann, T., Berry, W. MANUFACTURING Planning And Control Systems For Supply Chain Management : The Definitive Guide for Professionals. McGraw-Hill, (2004), ISBN-13: 978-0071440332

Cilji:

Študenti:

- se usposobijo za znanstveno raziskovalno delo iz področja raziskovanja oskrbnih verig,
- se usposobijo za predstavitev svojega raziskovalnega dela (članki, referati) in predstavitev praktičnih prednosti rezultatov svojega raziskovalnega dela,
- spoznajo raziskovalno področje logistični sistemi in logistične verige in ga prepoznajo kot morebitno polje bodočega znanstvenega dela,
- Se naučijo rezultate svojega znanstvenega dela na področju oskrbnih verig uporabiti v praksi.

Objectives:

Students will:

- Be able to undertake an academic research from the field of supply chains
- Be able to present their research work (articles, papers) and hold presentations on practical advantages of their research results
- Be familiarised with the research area of logistics systems and logistics chains and gain the ability to recognise this area as a potential future academic research activity
- Learn to use the results of their academic research in the field of supply chains in real life situations

Predvideni študijski rezultati:

Znanje in razumevanje:

- Študenti se naučijo in razumejo filozofijo upravljanja, vodenja in nadzora celovitih oskrbovalnih verig.
- Se naučijo pristopa k znanstvenemu proučevanju notranjih procesov in odnosov oskrbovalnih verig.
- Razumejo in znajo razvijati modele notranjih procesov in optimiranja stanj celovitih oskrbovalnih verig.

Prenesljive/ključne spretnosti in drugi atributi:

- Študenti se naučijo pristopa razvijanja različnih modelov realnosti.
- Študenti se naučijo determiniranje nalog upravljanja različnih sistemov.

Intended learning outcomes:

Knowledge and Understanding:

- Students will learn and understand the philosophy of managing, operating and controlling integrated supply chains
- Students will know how to approach the scientific study of internal processes and relations of supply chains
- Students will understand and learn to develop models of internal processes and optimising integrated supply chains

Transferable/Key Skills and other attributes:

- Students will know how to approach the development of various reality models
- Students will learn to determine tasks of managing various systems

Metode poučevanja in učenja:

Individualno raziskovalno delo, razgovor, študij gradiva, e-izobraževanje.

Learning and teaching methods:

Individual research work, dialogues, study of materials, e-learning

Načini ocenjevanja:

Seminarska raziskovalna naloga in ustni izpit.

Delež (v %) /
Weight (in %)

50%
50%

Assessment:

Type (examination, oral, coursework, project):
Research coursework and examination

Reference nosilca / Lecturer's references:

1. TRKMAN, Peter, KOVAČIČ, Andrej, POPOVIČ, Aleš. SOA adoption phases : a case study. *Business & information systems engineering*, 2011, vol. 3, no. 4, str. 211-220, doi: [10.1007/s12599-011-0168-2](https://doi.org/10.1007/s12599-011-0168-2). [COBISS.SI-ID [20200934](#)]
2. HORJAK, Marjeta, KOVAČIČ, Andrej. Razvoj modela kriterijev za odločanje o uvedbi elektronske hrambe dokumentov. *Econ. bus. rev.*, 2011, vol. 13, posebna št., str. 41-63, tabele. [COBISS.SI-ID [20748518](#)]
3. PEČEK, Bojan, KOVAČIČ, Andrej. Business process management : use of simulation in the public sector. *Ekonomika*

istraživanja, 2011, vol. 24, no. 1, str. 95-106, ilustr. [COBISS.SI-ID [20088550](#)]

4. INDIHAR ŠTEMBERGER, Mojca, MANFREDA, Anton, KOVAČIČ, Andrej. Achieving top management support with business knowledge and role of IT/IS personnel. *Int. j. inf. manage.* [Print ed.], Dec. 2011, vol. 31, iss. 5, str. 428-436, doi: [10.1016/j.ijinfomgt.2011.01.001](#). [COBISS.SI-ID [19843046](#)]

5. TRKMAN, Peter, KOVAČIČ, Andrej, POPOVIČ, Aleš. Phasen der SOA-Einführung : eine Fallstudie. *Wirtschaftsinformatik*, 2011, jg. 53, nr. 4, str. 201-211, doi: [10.1007/s11576-011-0281-3](#). [COBISS.SI-ID [20211174](#)]

6. PAJK, Dejan, INDIHAR ŠTEMBERGER, Mojca, KOVAČIČ, Andrej. Uporaba referenčnih modelov pri informatizaciji poslovnih procesov. *Uporab. inform. (Ljubl.)*, jan./feb./mar. 2010, letn. 18, št. 1, str. 32-43, slike, tabela. [COBISS.SI-ID [19235302](#)]

7. ŽABJEK, Damijan, KOVAČIČ, Andrej, INDIHAR ŠTEMBERGER, Mojca. The influence of business process management and some other CSFs on successful ERP implementation. *Business process management journal*, 2009, vol. 15, no. 4, str. 588-608. [COBISS.SI-ID [18628070](#)]

8. KOVAČIČ, Andrej. Process-based knowledge management : towards e-government in Slovenia. *Management (Split)*, May, 2007, vol. 12, no. 1, str. 45-46. [COBISS.SI-ID [17453030](#)]

9. KOVAČIČ, Andrej, PEČEK, Bojan. Use of simulation in a public administration process. *Simulation (S. Diego Calif.)*. [Print ed.], Dec. 2007, vol. 83, no. 12, str. 851-861, ilustr. [COBISS.SI-ID [17754086](#)]

10. KOVAČIČ, Andrej, INDIHAR ŠTEMBERGER, Mojca. Zakaj modelirati poslovne procese pri informatizaciji poslovanja s celovitimi programskimi rešitvami = Why is business process modelling necessary at ERP implementation. *Uporab. inform. (Ljubl.)*, okt./nov./dec. 2007, letn. 15, št. 4, str. 192-200. [COBISS.SI-ID [17560038](#)]

11. KOVAČIČ, Andrej, BOSILJ-VUKŠIĆ, Vesna, FERŠ, Anita. A process-based approach to knowledge management. *Ekonomska istraživanja*, pros. 2006, vol. 19, no. 2, str. 53-66. [COBISS.SI-ID [17149926](#)]