

UČNI NAČRT PREDMETA / COURSE SYLLABUS

<b>Predmet:</b>	Logistika
<b>Course title:</b>	Logistics

Študijski program in stopnja <i>Study programme and level</i>	Študijska smer <i>Study field</i>	Letnik <i>Academic year</i>	Semester <i>Semester</i>
Menedžment kakovosti Dodiplomski (prva)	Program nima smeri	2.	3.
Quality Management Undergraduate (First)	The program has no study fields	2	3

**Vrsta predmeta / Course type:** Obvezni / Required

**Univerzitetna koda predmeta / University course code:** 011014-02

Predavanja <i>Lectures</i>	Seminar <i>Seminar</i>	Sem. vaje <i>Tutorial</i>	Lab. vaje <i>Laboratory work</i>	Teren. vaje <i>Field work</i>	Samost. delo <i>Individ. work</i>	ECTS
30		45	-	-	105	6

**Nosilec predmeta / Lecturer:** izr. prof. dr. Robert Vodopivec / Robert Vodopivec, PhD Associate Professor

Jeziki / Languages:	Predavanja / Lectures:	Vaje / Tutorial:
	Slovenski, angleški	Slovenski, angleški
	Slovenian, English	Slovenian, English

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

- Vpis v 2. letnik študija.
- Študent/študentka mora pred pristopom k izpitu pripraviti in zagovarjati empirično seminarsko nalogo.

**Prerequisites:**

- Enrolment in the second year of study.
- The student must prepare and defend an empirical seminar paper as a prerequisite for the final exam.

**Vsebina:**

1. Opredelitev logistike in njena vloga v gospodarstvu
2. Področja, ki jih obravnava logistika
3. Opredelitev logističnega upravljanja
4. Razvoj logistike
5. Opredelitev oskrbovalnih verig
6. Vloga logistike v organizaciji
7. Organizacija poslovnega sistema
8. Ključne logistične aktivnosti.
9. Logistični sistemi in podsistemi proizvodnega podjetja
10. Zunanji, notranji transport, pomorski, zračni, železniški, cestni; nabavna, notranja, distribucijska in poprodajna logistika
11. Logistični procesi v organizaciji in upravljanje z zalogami
12. Temeljni model optimalne naročilne količine in stroški zalog

**Content (Syllabus outline):**

1. Definition of logistics and its role in the economy.
2. Areas covered by logistics.
3. Defining logistics.
4. Development of logistics.
5. Definition of supply chain.
6. The role of logistics in the organization.
7. Organizing the business system.
8. Key logistic activities.
9. Manufacturing company's logistic systems and subsystems.
10. External, internal transport, marine, air, rail, road; cost, internal, distribution and after—sales logistics.
11. Logistics processes in the organization and inventory management.
12. Basic model of optimal order quantities and costs of inventories.

13. Vrste zalog (signalna, varnostna) in JIT
14. Uporaba ABC analize za optimiranje zalog
15. Značilnosti različnih transportnih panog
16. Kakovost transportnih storitev in izbor ustreznega transporta
17. Dejavniki transportnih stroškov
18. Optimiranje stroškov v logističnem sistem
19. Izboljšanje učinkovitosti logističnih procesov
20. Logistični informacijski sistem
21. Logistični procesi in informatizacija logističnih procesov.
22. Povezave med logističnimi podsistemi in računalniško integrirano proizvodnjo(ICAM)
23. Celovito načrtovanje v oskrbovalni verigi
24. Menedžment oskrbovalne verige
25. Vpliv globalizacije in globalne oskrbovalne verige.

13. Types of inventories (signal, security) and J-I-T.
14. Using ABC analysis for inventory optimization.
15. Characteristics of various modes of transport.
16. Quality of transport services and choosing appropriate transportation.
17. Factors of transportation costs.
18. Cost optimization in the logistics system.
19. Improving the efficiency of logistics processes.
20. Logistic information system.
21. Logistics processes and computerization of logistics processes.
22. Links between the logistics subsystems and computer integrated manufacturing.
23. Total planning in the supply chain.
24. Supply chain management.
25. Impact of globalization and global supply chain.

### **Temeljna literatura in viri / Readings**

#### **Obvezna literature / Required reading(s):**

- Čižman, A. (2002). *Logistični management v organizaciji*. Kranj: Moderna organizacija.

#### **Dodatna – dopolnilna / Recommended reading(s):**

- Coyle, J. J. (2003). *The management of business logistics: A supply chain perspective*. Mason, Ohio: South-Western/Thomas Learning.
- Vodopivec, R. (2008). *Logistične storitve in državna regulativa*. Celje: Fakulteta za logistiko.
- Vodopivec, R. (2008). *Ekonomska teorija v logistiki*. Celje: Univerza v Mariboru, Fakulteta za logistiko, Medifas.
- Gourdin, K. N. (2001). *Global logistics management*. Oxford: Blackwell Business.
- Christopher, M. (1998). *Logistics and Supply Chain Management: Strategies for Reducing Cost and Improving Service*. London: Prentice Hall.
- Chopra, S., & Meindl, P. (2001). *Supply Chain Management: Strategy, planning and operation*. New Jersey: Prentice-Hall.
- Lambert, M. D., Stock, R. J., & Ellram, M. L. (1998). *Fundamentals of Logistics Management*. Boston: Irwin McGraw-Hill.

#### **Cilji in kompetence:**

- Poznavanje in razumevanje procesov, procesno zasnovane organizacije ter sposobnost obvladovanja nenehnega izboljševanja.
- Uporaba in razvoj metod in tehnik za uspešno in učinkovito obvladovanje procesov ter nenehno izboljševanje kakovosti dela, proizvodov in storitev.
- Zmožnost vzpostavljanja in vzdrževanja kooperativnih odnosov za delo v skupini in z drugimi zainteresiranimi ter zmožnost ustvarjalnega dialoga.
- Usposobljenost za obvladovanje organizacijskih sprememb v organizaciji kot odziv na spremembe v okolju.
- Zmožnost vzpostavljanja in vzdrževanja partnerskih odnosov z vsemi zainteresiranimi (odjemalci, zaposleni, lastniki, družbeno okolje).
- Usposobljenost za vodenje oddelka in/ali skupine, organiziranje aktivnega in samostojnega dela ter usposabljanje zaposlenih.

#### **Objectives and competences:**

- Comprehending and understanding processes, process-based organizations and the ability to manage continuous improvements.
- Use and develop methods and techniques for efficient and effective process management and continuous improvement of quality of work, products, and services
- The ability to establish and maintain cooperative relations for teamwork and with other interested individuals as well as the ability for creative dialogues.
- The ability to manage organizational change within an organization in response to changes in the environment.
- Ability to establish and maintain partnerships with all stakeholders (consumers, employees, owners, social environment).
- Ability to lead departments and / or groups, organizing active and independent tasks, and training employees.

<ul style="list-style-type: none"> <li>– Sposobnost interdisciplinarnega povezovanja znanj različnih predmetov.</li> <li>– Internalizacija gradnikov sodobne organizacijske teorije, temelječe na organizaciji kot ciljno usmerjenih razmerij med ljudmi</li> <li>– Sposobnost razumevanja in uporabe sodobnih teorij organizacije v praktičnem okolju.</li> <li>– Poznavanje pristopov in modelov kakovostnega obvladovanja procesa proizvodnje proizvodov in storitev.</li> <li>– Sposobnost prepoznavanja in obvladovanja partnerskih odnosov z dobavitelji oziroma v celotni oskrbovalni verigi, prodaji in poprodaji.</li> <li>– Poznavanje in obvladovanje logističnih procesov in njihove prepletenosti z ostalimi procesi v organizaciji.</li> </ul>	<ul style="list-style-type: none"> <li>– The ability to connect interdisciplinary knowledge from various subjects.</li> <li>– Internalisation of building blocks within contemporary organization theory that is based on an organization as a target-oriented relationship among individuals and people.</li> <li>– Ability to understand and apply contemporary organization theories in a practical environment.</li> <li>– Knowledge of approaches and models of the quality control process in manufacturing products and services.</li> <li>– Ability to recognize and manage partner relationships with suppliers and the entire supply chain, sales, and after-market.</li> <li>– Knowledge and management of logistical processes and their interconnectedness with other processes within the organization.</li> </ul>
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**Predvideni študijski rezultati:**

***Intended learning outcomes:***

<p>Študent/študentka:</p> <ul style="list-style-type: none"> <li>– Pozna in razume pomen logistike za uspešnost in učinkovitost poslovanja.</li> <li>– Pozna in razume vlogo logistike v procesu odločanja v poslovnih sistemih..</li> <li>– Razume interakcijsko delovanje dejavnikov, ki vplivajo na uspešnost in učinkovitost gospodarjenja.</li> <li>– Pozna in uporablja osnovne logistične kategorije.</li> <li>– Pozna in uporablja ekonomske metode kot pomoč pri izbiri strategije logistike.</li> <li>– Pridobljeno znanje zna uporabiti pri procesih priprave podlag za odločanje, zna voditi poslovne razgovore, sestanke, razprave, posvetovanja, pogajanja in dogovarjanja.</li> <li>– Demonstrira uporabnost različnih logističnih konceptov in teorij.</li> <li>– Reflektira in kritično ovrednoti različne izkušnje s področja logistike.</li> <li>– Izbere in reflektira gradiva z drugih strokovnih disciplin in jih poveže s področjem logistike.</li> <li>– Proaktivno in kritično spremlja in reflektira aktualna dogajanja na področju logistike tako v poslovnem sistemu, kakor v širšem družbenem okolju.</li> <li>– V povezavi z drugimi predmeti pozna, razume in reflektira kompleksnost strokovnih in družbenih nalog zaposlenih na različnih področjih gospodarjenja in je pripravljen na ustvarjalno soočanje z logističnimi problemi v delovnem okolju.</li> <li>– Pozna in razume umeščenost svojega strokovnega področja v širše družbene, kulturne in vrednotne kontekste ter z refleksijo teh kontekstov oblikuje intelektualno aktiven in profiliran odnos do sveta.</li> </ul>	<p>The student will:</p> <ul style="list-style-type: none"> <li>– Know and understand the meaning of logistics for successful and effective business operations.</li> <li>– Know and understand the role of logistics in the process of decision-making in business systems.</li> <li>– Understand the interaction among factors that influence the success and effectiveness of management.</li> <li>– Know and understand basic logististics categories.</li> <li>– Know and apply basic logistic categories.</li> <li>– Know and apply economic methods to assist in the choice of logistics strategy.</li> <li>– Use the gained knowledge with the process of preparing basic decision-making, in guiding business talks, meetings, discussions, consultations, and negotiations.</li> <li>– Demonstrate the usefulness of different logistics concepts and theories.</li> <li>– Reflect and critically evaluate various experiences from the field of logistcs.</li> <li>– Proactively and critically monitor and reflect on current developments in the field of logistcs in the business system as well as in the wider social enviornment.</li> <li>– In connection with other courses, know, understand and reflect on the complexity of professional and social tasks of employees in various fields and is prepared for a creative challenge with logistics problems in the work enviornment.</li> <li>– Know and understand how the professional field fits with society in large, within the context of culture and value-laden as well as reflect from these contexts to form an intellectually active relationship to the world.</li> </ul>
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**Metode poučevanja in učenja:****Learning and teaching methods:**

<ul style="list-style-type: none"> <li>– Predavanja z aktivno udeležbo študentov (razlaga snovi, pogovori, vprašanja, primeri, reševanje problemov).</li> <li>– Seminarske vaje v povezavi s prakso (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, pogovori, sporočanje povratne informacije, socialne igre, ekskurzija).</li> <li>– Individualne in skupinske konzultacije (pogovori, dodatna razlaga, obravnava specifičnih vprašanj).</li> <li>– Animacija samostojnega študija in raziskovanja (motiviranje, usmerjanje, samoopazovanje, samouravnavanje, refleksija, samoocenjevanje).</li> </ul>	<ul style="list-style-type: none"> <li>– Lectures with active student participation (discussions, talks, questioning, cases, problem-solving).</li> <li>– Seminar papers in connection to practice (reflections from experience, project work, teamwork, methods of critical thinking, talks, providing feedback, social games, excursions).</li> <li>– Individual and group consultations (discussions, additional explanations, discussing specific questions).</li> <li>– Facilitating independent study and research (motivating, directing, self-examination, self-regulation, reflection, and self-assessment).</li> </ul>
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**Načini ocenjevanja:****Delež / Weight (%)****Assesment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt)	Delež / Weight (%)	Type (examination, oral, coursework, project)
– Pisni/ustni izpit	60%	– Written / Oral Exam
– Empirična seminarska naloga s poročili seminarskega dela ter predstavitev naloge.	40%	– Empirical seminar paper with reports from seminar work and seminar paper presentation

**Reference nosilca / Lecturer's references:**

<ul style="list-style-type: none"> <li>– VODOPIVEC, Robert. Logistične storitve in državna regulativa. 1. izd. Celje: Fakulteta za logistiko; Šempeter pri Gorici: Medifas, Mediteranski inštitut za sodobne študije, 2008. 120 str., Graf. prikazi, tab. ISBN 978-961-6562-19-5. [COBISS.SI-ID 238826496]</li> <li>– VODOPIVEC, Robert. Ekonomska teorija v logistiki. 1. izd. Celje: Fakulteta za logistiko; Šempeter pri Gorici: Medifas, Mediteranski inštitut za sodobne študije, 2008. 103 str., ilustr., graf. prikazi, tab. ISBN 978-961-6562-18-8. [COBISS.SI-ID 238782464]</li> <li>– VODOPIVEC, Robert, KRSTOV, Ljupčo. Organisation management in supply chain with dynamic effect of organizational rules. Facta Univ., Econ. Organ., 2007, vol. 4, no. 2, str. 91-107, ilustr., graf. prikazi. [COBISS.SI-ID 28063277]</li> <li>– VODOPIVEC, Robert, KRSTOV, Ljupčo. Implement ERP systems. Ekon. teme, 2007, letn. 45, št. 4, str. 11-31. [COBISS.SI-ID 28792621]</li> <li>– BOGATAJ, Marija, BOGATAJ, Ludvik, VODOPIVEC, Robert. Stability of perishable goods in cold logistic chains. Int. j. prod. econ.. [Print ed.], Jan. 2005, vol. 93/94, str. 345-356. [COBISS.SI-ID 15375334]</li> <li>– VODOPIVEC, Robert. Identifying macroenvironment forces and market segments in global business environment - case for vans and motor-homes. V: Upravljenie razvitieta na organizaciite : sbornik s dokladi ot naučna konferencija s međunarodno učastie, posvetena na 40-godišnjinata ot syzdavaneto na katedra "Stopansko upravljenje". Varna: "Nauka i ikonomika", 2007, str. 120-131. [COBISS.SI-ID 28673069]</li> <li>– VODOPIVEC, Robert. Global business environment and changing role of marketing management in supply chain. V: RADENKOVIĆ-JOCIĆ, Dragana (ur.). Izazovi ekonomske nauke i prakse u procesu pridruživanja Europskoj uniji : Niš, okrobar 2007. godine. Niš: Ekonomski fakultet, 2007, str. 421-431. [COBISS.SI-ID 28064813]</li> <li>– VODOPIVEC, Robert. The Napan project : globalisation and development of intermodal logistics in the North Adriatic region. Financ. times (Lond. ed.), October/November 2002, str. 12-13, ilustr. [COBISS.SI-ID 24479493]</li> <li>– VODOPIVEC, Robert. Global business; development of supply chain management in the North Adriatic region - the "NAPAN" project. Ekon. teme, 2005, letn. 43, št. 5, str. 101-112. [COBISS.SI-ID 512546679]</li> </ul>
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