

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta: OSNOVE LOGISTIČNIH PROCESOV IN TRAJNOSTNIH OSKRBOVALNIH VERIG
Course title: BASICS OF LOGISTICS PROCESSES AND SUSTAINABLE SUPPLY CHAINS

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.	1.
PROFESSIONAL HIGHER EDUCATION STUDY PROGRAMME ECONOMIC AND TECHNICAL LOGISTICS 1 st degree		1.	1.

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

**Nosilec predmeta / Course
coordinator:**

MATEVŽ OBRECHT

Jeziki /Languages:

Predavanja / Lectures: SLOVENSKI/SLOVENE

Vaje / Tutorial: SLOVENSKI/SLOVENE

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

Ni pogojev za sodelovanje pri tem predmetu.

**Prerequisites for enrolling in the course or for
performing study obligations:**

There are no prerequisites for this course.

Vsebina (kratek pregled učnega načrta):

Temeljna področja obravnave predmeta so naslednja:

- Kaj je proces in procesni pristop.
- Analiza procesa.
- Logistika kot proces.
- Upravljanje logističnih procesov.
- Kaizen – koncept stalnih izboljšav.
- Osnovna orodja za izboljšanje logističnih procesov.
- Tehnologija v oskrbovalnih verigah.
- Makro procesi znotraj trajnostnih oskrbovalnih verig.
- Upravljanje trajnostnih oskrbovalnih verig.

Content (syllabus outline):

Basic areas of the course are:

- What is the process and process approach.
- Process analysis.
- Logistics as a process.
- Managing logistics processes.
- Kaizen - the concept of continuous improvement.
- Basic tools for improving logistics processes.
- Supply chain technology.
- Macro processes within sustainable supply chains.
- Managing sustainable supply chains.

<ul style="list-style-type: none"> • Vloga in pomen oskrbovalnih verig v gospodarskem okolju. • Naloge in cilji trajnostnih oskrbovalnih verig. • Tokovi, akterji in dejavniki trajnostnih oskrbovalnih verig. • Osnove upravljanja z operacijami. 	<ul style="list-style-type: none"> • The role and importance of supply chains in the economic environment. • The tasks and objectives of sustainable supply chains. • Flows, actors and factors of sustainable supply chains. • Operations management basics.
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Temeljni literatura in viri / Reading materials:

Osnovna literature / Essential sources:

- E-gradivo predmeta.
- Kramar, U. (2014) *Osnove logistike : skripta za predmet*. 1. izd. Celje: Fakulteta za logistiko.
- Kramar, U. (2017). *Osnove logističnih procesov: skripta za predmet*. 1. izd. Celje: Fakulteta za logistiko Univerze v Mariboru.
- Kramar, U. (2017). *Osnove oskrbovalnih verig: skripta za predmet*. 1. izd. Celje: Fakulteta za logistiko Univerze v Mariboru.

Izbrana poglavja iz/Some Chapters from:

- Rushton, A., Croucher, P. and Baker, P. (2010). *The Handbook of Logistics and Distribution Management 4th ed.* London: Kogan Page Limited.
- Slack, N., Brandon-Jones, A. and Johnston, R. (2013). *Operations Management*. Seventh edition. Edinburgh: Pearson Education Limited.
- Chopra, S. and Meindl, P. (2013). *Supply chain management: strategy, planning, and operation—5th ed.* Pearson Education, Inc.
- Blanchard, D. (2007). *Supply chain management : best practices*. New Jersey: John Wiley & Sons, Inc.
- Kovačič, A. in Bosilj-Vukšič, V. (2005). *Management poslovnih procesov: Prenova in informatizacija poslovanja*. Ljubljana: GV.
- Boversox, D., Closs, D., Cooper, B. (2012). *Supply Chain Logistics Management*. McGraw-Hill/Irwin. New York.
- Možina, S. (2002). *Management - nova znanja za uspeh*. Radovljica: Didakta.

Cilji in kompetence:

Cilj tega predmeta je študentom nuditi osnovna znanja o procesih in vlogi procesov pri razumevanju logistike. Spoznajo osnovne principe analize logističnih procesov in osnovne pristope k njihovem obvladovanju.

Prav tako je cilj, da študenti spoznajo in razumejo trajnostne oskrbovalne verige, pomen upravljanja trajnostnih oskrbovalnih verig in povezave z upravljanjem z operacijami.

Objectives and competences:

The objective of this course is to provide students with basic knowledge about processes and the role of processes in understanding logistics. They learn about the basic principles of logistic process analysis and basic approaches to their control.

Students also understand sustainable supply chains, the importance of management of sustainable supply chains and connection to operation management.

Predvideni študijski rezultati:

Znanje in razumevanje:

- procesnega razmišljanja in razumevanja logistike kot procesa,
- pomena analiziranja, strukturiranja in obvladovanja logističnih procesov,
- vloge oskrbovalnih verig v sodobnem svetu

Intended learning outcomes:

Development of knowledge and understanding

- process thinking and understanding of logistics as a process,
- the importance of analyzing, structuring and managing logistic processes,
- the role of supply chains in modern world,

<ul style="list-style-type: none"> • pomena upravljanja trajnostnih oskrbovalnih verig, • strateškega planiranja trajnostnih oskrbovalnih verig, • osnov upravljanja z operacijami. <p>Prenesljive/ključne spretnosti in drugi atributi:</p> <ul style="list-style-type: none"> • študenti se usposobijo za uporabo teoretičnega znanja o logističnih procesih v praktičnem okolju, • študentje se usposobijo prepoznavati vlogo trajnostnih oskrbovalnih verig v sodobnem svetu, • študentje se usposobijo prepoznati pomen upravljanja trajnostnih oskrbovalnih verig.
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<ul style="list-style-type: none"> • the importance of managing sustainable supply chains, • strategic planning of sustainable supply chains, • basics of operations management. <p>Transferable/Key Skills and other attributes:</p> <ul style="list-style-type: none"> • students are trained to use theoretical knowledge about logistics processes in the practical environment, • students are trained to recognize the role of sustainable supply chains in the modern world, • students are trained to recognize the importance of managing sustainable supply chains.

Metode poučevanja in učenja:

<p>Predmet vključuje različne metode poučevanja in učenja, kot so: predavanja, diskusijske skupine, video predstavitve in filmi, primeri iz prakse ter predstavitve in samostojni študij študentov.</p> <p>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).</p> <p>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).</p>

Learning and teaching methods:

<p>This course uses a range of teaching methods including lectures, discussion groups, videos and films, case studies, student presentation and independent study of students.</p> <p>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).</p> <p>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).</p>
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Načini ocenjevanja:	Delež (v %) / Share (in %)	Assessment methods:
<ul style="list-style-type: none"> • Opravljene obveznosti e-predavanj in e-vaj so pogoj za pristop k izpitu. 		<ul style="list-style-type: none"> • Successful completion of e-lectures and e-tutorial is a prerequisite for entering the exam.
<ul style="list-style-type: none"> • Aktivno delo študentov. 	15%	<ul style="list-style-type: none"> • Active work of students.
<ul style="list-style-type: none"> • Seminarska naloga. 	15%	<ul style="list-style-type: none"> • Seminar paper.
<ul style="list-style-type: none"> • Končni pisni izpit. 	70%	<ul style="list-style-type: none"> • Final written examination.

Reference nosilca / Course coordinator's references:

<ul style="list-style-type: none"> • OBRECHT, Matevž, KNEZ, Matjaž. Carbon and resource savings of different cargo container designs. Journal of cleaner production, ISSN 1879-1786. [Online ed.], 1 Jul. 2017, vol. 155, 151-156 str. https://doi.org/10.1016/j.jclepro.2016.11.076, doi: 10.1016/j.jclepro.2016.11.076. [COBISS.SI-ID 512811837], [JCR, SNIP, WoS.

- OBRECHT, Matevž, KNEZ, Matjaž. Opportunities for transition to sustainable energy strategy in Slovenia. *Strategic management*, ISSN 2334-6191, 2014, vol. 19, no. 3, str. 31-37. http://www.ef.uns.ac.rs/sm/archive/SM2014_3.pdf. [COBISS.SI-ID 512586557].
- OBRECHT, Matevž. Logistika prihodnosti - nove tehnologije in novi poslovni modeli. *Embalaža, okolje, logistika : strokovna specializirana revija za embalažo, okolje in logistiko*, ISSN 1855-4849, sept. 2016, [Št.] 111/112, str. 70-71, ilustr. http://www.zelenaslovenija.si/images/stories/eol/EOL_111-112/EOL_111-112.pdf. [COBISS.SI-ID 512828477].
- DENAC, Matjaž, OBRECHT, Matevž, RADONJIČ, Gregor. 2018. Current and potential ecodesign integration in small and medium enterprises : construction and related industries. *Business strategy and the environment*.
- OBRECHT, Matevž, KNEZ, Matjaž, SZEGEDI, Zoltan, NICK, Gabor, LISEC, Andrej. 2017. Review of Industry 4.0 and forecasting its future within trends in logistics and development of legislation.