

	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet	Prenova in informatizacija sistemov
Course title	Business Process Renovation and Informatisation

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Poslovna informatika / 1. stopnja	Računalništvo in informatika	2. letnik	4.
Business Informatics / 1 st Cycle	Computer and Information Science	2 nd year	4 th

Vrsta predmeta/Course type obvezni/obligatory

Univerzitetna koda predmeta/University course code I_RI_2_UN8

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
30			30		90	6

Nosilec predmeta/Lecturer: doc. dr. Mitja Cerovšek

Jeziki/ Languages: **Predavanja/Lectures:** slovenski/Slovenian
Vaje/Tutorial: slovenski/Slovenian

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

Prerequisites:

<ul style="list-style-type: none"> • Vpis v drugi letnik študijskega programa. • Študent mora pred izpitom pripraviti in predstaviti seminarsko nalogo. 	<ul style="list-style-type: none"> • The prerequisite for inclusion is enrolment in the second year of study. • Students have to successfully prepare and present a seminar paper before the examination.
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Vsebina:

Content (Syllabus outline):

<ul style="list-style-type: none"> • <i>Uvod v prenavo in informatizacijo sistemov.</i> • <i>Poslovanje podjetja v konkurenčnem poslovnem okolju: vizija, politika, poslanstvo in strateški cilji podjetja, konkurenčna sposobnost podjetja, analiza poslovanja, merjenje uspešnosti poslovanja.</i> • <i>Strateško načrtovanje poslovanja.</i> • <i>Strateško načrtovanje razvoja informatike.</i> 	<ul style="list-style-type: none"> • <i>Introduction of business process renovation and informatisation.</i> • <i>Business in a competitive business environment: vision, policy, mission and strategic goals of the company, competitive ability of the company, business analysis, measuring business effectiveness.</i> • <i>Strategic business planning.</i>
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<ul style="list-style-type: none"> • Vloga in pomen informacijskih in komunikacijskih sistemov. • Procesni pristop prenove in informatizacije poslovanja. • Informacijske rešitve v praksi: celovite programske rešitve (ERP), upravljanje poslovnih vsebin (ECM), upravljanje življenjskega cikla izdelka (PLM), upravljanje oskrbovalne verige (SCM), upravljanje odnosov s strankami (CRM), poslovna inteligenca (BI), proizvodni informacijski sistemi (MES). • Načrtovanje, izvajanje in obvladovanje projektov prenove in informatizacije sistemov. • Vloga in pomen informatike pri prenovi poslovanja. • Vloga in pomen informatike po formalno končanem obdobju prenove poslovanja. • Ključni dejavniki uspeha pri prenovi in informatizaciji sistemov. • Pogoste napake pri izvajanju prenove in informatizacije sistemov. • Novi pristopi in trendi na področju prenove in informatizacije sistemov. 	<ul style="list-style-type: none"> • Strategic planning of information technology development. • The role and importance of information and communication systems. • Process approach of business renovation and informatisation. • Information solutions in practise: Enterprise Resource Planning (ERP), Enterprise Content Management (ECM), Product Lifecycle Management (PLM), Supply Chain Management (SCM), Customer Relationship Management (CRM), Business Intelligence (BI), Manufacturing Execution System (MES). • Planning, implementation and management of business process renovation and informatisation projects. • The role and importance of informatics in business process renovation. • The role and importance of informatics after the formal completion of business process renovation period. • Key success factors in business process renovation and informatisation. • Frequent implementation mistakes in business process renovation and informatisation. • New approaches and trends in business process renovation and informatisation.
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Temeljna literatura in viri/Readings:

Temeljna literatura/Basic literature

- Avison, D. in Fitzgerald, G. (2003). *Information System Development: Methodologies, Techniques and Tools*. New York: McGraw-Hill.
- Kovačič, A. et. al. (2004). *Prenova in informatizacija poslovanja*. Ljubljana: EF.
- Gradiva pri predmetu (predavanja in vaje).

Priporočljiva literatura/Recommended literature

- Gradišar, M. et. al. (2012). *Osnove poslovne informatike*. Ljubljana: EF.
- Kovačič, A. in Bosilj-Vukšič, V. (2005). *Management poslovnih procesov: Prenova in informatizacija poslovanja*. Ljubljana: GV Založba.
- Članki v strokovnih in znanstvenih revijah / Articles in scientific and professional journals.

Cilji in kompetence:

Učna enota prispeva predvsem k razvoju naslednjih splošnih in specifičnih kompetenc:

Objectives and competences:

The learning unit mainly contributes to the development of the following general and specific competences:

<ul style="list-style-type: none"> • sposobnost poglobljenega razumevanja preнове in informatizacije poslovanja, • sposobnost definiranja, razumevanja in ustvarjalnega reševanja strokovnih izzivov na področjih preнове in informatizacije poslovanja, • razumevanje vloge in pomena informatike v konkurenčnem poslovnem okolju, • razumevanje pristopov in trendov na področju preнове in informatizacije sistemov, • sposobnost kreativnega sodelovanja v projektih preнове in informatizacije poslovanja, • sposobnost uporabe sodobnih znanj na področju preнове in informatizacije poslovanja v gospodarstvu in negospodarstvu. 	<ul style="list-style-type: none"> • the ability for in-depth understanding of business process renovation and informatisation, • the ability to define, understand and creatively solve professional challenges in the areas of business process renovation and informatisation, • understanding the role and importance of informatics in a competitive business environment, • understanding approaches and trends in business process renovation and informatisation, • the ability to creatively participate in projects of business process renovation and informatisation, • the ability to use modern knowledge in the field of business process renovation and informatisation in the economy and public sector.
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Predvideni študijski rezultati:

Intended learning outcomes:

<p>Študent/študentka:</p> <ul style="list-style-type: none"> • razume pomen povezovanja strategije informatike s strategijo podjetja, • razume vlogo informacijskih tehnologij pri prenovi in informatizaciji poslovanja, • razume in pozna principe procesnega pristopa preнове in informatizacije poslovanja, • razume pomen procesne orientiranosti podjetja, • se usposobi za kreativno sodelovanje v projektih preнове in informatizacije poslovanja ter uporabo sodobnih znanj. 	<p>Students:</p> <ul style="list-style-type: none"> • understand the importance of integrating the IT strategy with the company strategy, • understand the role of information technology in the business process renovation and informatisation, • understand and know the principles of process approach of business renovation and informatisation, • understand the value of business process orientation of the company, • develop skills for creatively participate in projects of business process renovation and informatisation and for use modern knowledge.
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Metode poučevanja in učenja:

Learning and teaching methods:

<ul style="list-style-type: none"> • <i>predavanja</i> z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov), • <i>laboratorijske vaje</i>: refleksija izkušenj, praktično reševanje več tipičnih problemov, predstavitev in zagovor seminarske naloge, diskusija, sporočanje povratne informacije. 	<ul style="list-style-type: none"> • <i>lectures</i> with active student participation (explanation, discussion, questions, examples, problem solving), • <i>laboratory work</i>: reflection on experience, practical solving of several typical problems, presentation and defence of the seminar paper, discussion, feedback.
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Načini ocenjevanja:	Delež (v %) Weight (in %)	Assessment:
Načini: <ul style="list-style-type: none"> • izpit • izdelava, predstavitev in zagovor seminarske naloge Ocenjevalna lestvica: ECTS.	60 % 40 %	Types: <ul style="list-style-type: none"> • exam • preparation, presentation and defence of the seminar paper Grading scheme: ECTS.