

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	Upravljanje informacijskih in komunikacijskih sistemov
Course title:	Management of Information and Communication Systems

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Informatika v sodobni družbi, magistrski študijski program druge stopnje	-	Drugi	Tretji
Informatics in Contemporary Society, second cycle Masters Study Programme	-	Second	Third

Vrsta predmeta / Course type

Obvezni / Obligatory

Univerzitetna koda predmeta / University course code:

1-ISD-MAG-UIKS-2016-10-01

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	30	-	-	120	6

Nosilec predmeta / Lecturer:

Jeziki / Languages:

Predavanja / Lectures:

Slovenski, angleški / Slovene, English

Vaje / Tutorial:

Slovenski, angleški / Slovene, English

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

Študent/študentka mora pred pristopom k izpitu pripraviti in zagovarjati seminarsko nalogo.

Prerequisites:

Prior to the exam, the student has to prepare and present seminar work.

Vsebina:

- upravljanje informacijske in komunikacijske strategije
- raziskovanje problemov in iskanje rešitev vpeljave informacijskih in komunikacijskih rešitev s pomočjo oblikovanja logičnih diagramov konflikta, pri tem, da so možna različna področja raziskovanja: vpetost informacijske in komunikacijske strategije v poslovanje in organizacijo; strateško planiranje

Content (Syllabus outline):

- management of the information and communication strategy
- explore the problems and find solutions to the introduction of information and communication solutions through the creation logic diagrams of the conflict, in that the different possible fields of research: integration of information and communication strategies in to business and organization; strategic

poslovanja organizacije, metodologije strateškega planiranja, povezava med strateškim načrtovanjem in letnimi plani; strateška uporaba informacijskih in komunikacijskih virov; vpliv organizacije na uporabo informacijskih in komunikacijskih sistemov; vpliv informacijskih in komunikacijskih sistemov na način dela; vpliv informacijskih in komunikacijskih sistemov na poslovne procese; povezava arhitekture in infrastrukture; internetno poslovanje; etična uporaba informacij; organizacija upravljanja informacijskih in komunikacijskih sistemov; financiranje tehnoloških projektov; prenova in informatizacija poslovanja; poslovna vrednost informatike • iskanje prelomnih rešitev za odpravo konfliktov pri vpeljavi informacijskih in komunikacijskih rešitev • analiza morebitnih negativnih učinkov vpeljave informacijskih in komunikacijskih rešitev v organizacijo • razvijanje kompetenc na ravni organizacij • študije primerov	planning business organizations, strategic planning methodology, the link between strategic planning and annual plans; strategic use of information and communication resources; Impact of the organization on the use of information and communication systems; the impact of information and communication systems on the way to work; the impact of information and communication systems in business processes; Linking of the architecture and infrastructure; Internet commerce; ethical use of information; organization of management information and communication systems; funding for technology projects; renovation and informatizations of operations; Business value of IT • search groundbreaking solution to eliminate conflict in the introduction of ICT solutions • analysis of the potential negative effects of introducing ICT solutions in an organization • developing competencies in organizations • case studies
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Temeljni literatura in viri / Readings:

- Eliyahu M. Goldratt. *The Goal: A Process of Ongoing Improvement*, Gower Publishing Ltd; Second Edition edition, 1993)
- Lisa J. Scheinkopf. *Thinking for a Change Putting the TOC Thinking Processes to Use*, CRC Press LLC, 1999
- James F Cox Iii and John Schleier. *Theory of Constraints Handbook*, McGraw-Hill Professional, 2010

Sekundarna literatura:

- Robert BARTON. *Global it Management – a Practical Approach*, John Wiley & Sons, 2003
- Robert J. BENSON, Tom BUGNITZ, Bill WALTON. *From Business Strategy to IT Action: Right Decisions for a Better Bottom Line*, John Wiley & Sons (19 Mar 2004)
- Bryan BERGERON. *Essentials of Knowledge Management (Essentials Series)*, John Wiley & Sons, 6 Jun 2003
- Jaap BLOEM, Menno van DOORN, Piyush MITTAL. *Making IT Governance Work in a Sarbanes-Oxley World*, John Wiley & Sons, 2005
- Noel BRUTON. *Managing the IT Services Process (Computer Weekly Professional)*, A Butterworth-Heinemann Title, 2005

- Michael J. EARL. *Management Strategies for Information Technology (Business Information Technology)*, Prentice Hall, 1989.
- Robert D. GALLIERS (ur.), Dorothy E. Leidner (ur.). *Strategic Information Management: Challenges and Strategies in Managing Information Systems*, A Butterworth-Heinemann Title, 3. izdaja, 2002.
- Gerry Gingrich. *Managing It in Government, Business and Communities*, IGI Publishing, 2003.
- Kalle KANGAS. *Business Strategies for Information Technology Management*, IGI Publishing, 2003.
- Bennet P. LIENTZ, Lee LARSEN. *Manage IT as a Business: How to Achieve Alignment and Add Value to the Company*, A Butterworth-Heinemann Title, 2004.
- Thomas W. MALONE. *Organizing Business Knowledge: The MIT Process Handbook*, MIT Press, 2003.
- Keri E. PEARLSON, Carol S. SAUNDERS. *Managing and Using Information Systems*, John Wiley & Sons, 3. izdaja, 2006.
- John WARD, Joe PEPPARD. *Strategic Planning for Information Systems (Wiley Series in Information Systems)*, John Wiley & Sons, 3. izdaja, 2002.

Cilji in kompetence:

Cilji učne enote so:

- seznanitev s strateškim pristopom k upravljanju informacijskih in komunikacijskih sistemov v organizaciji
- razumevanje vloge tehnološke strategije v odnosu do poslovne in organizacijske strategije
- pridobitev teoretičnih in praktičnih znanj za upravljanje informacijskih in komunikacijskih sistemov v organizaciji
- seznanitev z metodologijami za analizo stanja na področju informatizacije organizacije in izdelavo predlogov za izboljšanje stanja
- seznanitev s pristopi k uvajanju celovitih informacijskih in komunikacijskih rešitev v organizacijo
- seznanitev s političnimi, človeškimi in organizacijskimi dejavniki, interesi in konflikti, ki se pojavljajo ob prenovi poslovnih procesov in informatizaciji organizacije

Objectives and competences:

Objectives of the instructional unit:

- students will acquaint themselves with the strategic approach to the management of information and communication systems within the organization
- students will understand the role of technology strategy in relation to business and organizational strategy
- students will acquaint themselves with theoretical and practical knowledge of management information and communication systems within the organization
- students will acquaint themselves with the methodologies for the analysis of the situation in the computerization of the organization and making suggestions for improvement
- students will acquaint themselves with the approaches to the introduction of integrated IT and communications solutions to the organization
- students will acquaint themselves with the political, human and organizational factors, interests and conflicts that arise when renewal of business processes

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

- celovito poznavanje področja upravljanja informacijskih in komunikacijskih sistemov v organizaciji, od načrtovanje do izvedbe, ob upoštevanju tehnoloških, poslovnih, organizacijskih in drugih vidikov
- prenos osvojenega znanja v delovno okolje

and computerization of organizations

The instructional unit contributes to the development of the following general and subject-specific competences:

- an overall knowledge of the field of management information and communication systems within the organization, from planning to the implementation phases taking into account technological, business, organizational and other aspects
- transfer the acquired knowledge into the workplace

Predvideni študijski rezultati:

Znanje in razumevanje:

Sposobnost študenta/študentke bo:

- razumeti in sodelovati v procesu upravljanja informacijskih in komunikacijskih tehnologij v organizaciji
- spoznati osnove veščine Teorije omejitev (ang. Theory of Constraints), s poudarkom na miselnem procesu (ang. Thinking Process).
- sodelovati pri uvajanju celovitih IKT rešitev, identificirati glavne probleme ter predlagati rešitve za njihovo odpravo – omogočiti vodstvu podjetja, da se fokusira na glavne težave, ne na simptome
- razumeti politične, medosebne in druge vrste konfliktov, ki nastopijo ob prenovi poslovnih procesov in informatizaciji
- povezovati različne interese v organizaciji pri pripravljanju strateških in izvedbenih načrtov ter v projektih na področju upravljanja informacijskih in komunikacijskih tehnologij
- razumeti povezavo med prenovi procesov, njihovo informatizacijo in drugimi pobudami za informatizacijo organizacije

Intended learning outcomes:

Knowledge and understanding:

The ability of the students will be:

- to understand and participate in the process of managing information and communication technologies in the organization
- to learn the basics skills of Theory of Constraints, with emphasis on the Thinking Process
- to participate in the implementation of integrated ICT solutions, to identify the main problems and suggest solutions to overcome them - to offer management of the organisation to focus on the main problem, not the symptoms
- to understand political, interpersonal and other types of conflicts which arise in renewal of the business processes
- to integrate various interests of the organization in preparing strategic and operational plans and projects in the field of management information and communication technologies
- to understand the link between renewal processes and their informatization

Metode poučevanja in učenja:

- predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov)
- laboratorijske vaje
- individualne in skupinske konzultacije (diskusija, dodatna razlaga, obravnavanje specifičnih vprašanj)

Learning and teaching methods:

- lectures with active participation of students (explanation, discussion, questions, examples, problem solving)
- laboratory exercises
- individual and group consultations (discussion, additional explanation, specific issues)

Delež (v %) /

Weight (in %)

Načini ocenjevanja:**Assessment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt):	Delež (v %) / Weight (in %)	Type (examination, oral, coursework, project):
• pisni/ustni izpit • laboratorijsko delo in seminarska naloga	60	• written/oral exam • seminar
	40	