UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Management znanja
Course title:	Knowledge Management

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Kibernetska varnost, magistrski študijski program druge stopnje	-	Prvi	Drugi
The second cycle masters study programme Cyber Security	-	First	Second

Vrsta predmeta / Course type Izbirni / Elective

Univerzitetna koda predmeta / University course code: 5-KV-MAG-IP-MZ-2021-12-14

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	20	-	-	100	5

Nosilec predmeta / Lecturer: doc. dr. Boštjan Delak

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

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisits:**
Študent/študentka mora pred pristopom k izpitu pripraviti in zagovarjati seminarsko nalogo.	Prior to the exam, the student has to prepare and present seminar work.

Vsebina:

- kaj je management znanja
- zgodovina managementa znanja
- ciklus managementa znanja
- modeli managementa znanja
- pridobivanje in hranjenje znanja
- strateška uporaba znanja
- praktična uporaba znanja
- orodja managementa znanja; orodja pridobivanja in arhiviranja znanja; orodja delitve in širjenja znanja

Content (Syllabus outline):

- what is knowledge management
- the history of Knowledge Management
- knowledge management cycles
- knowledge management models
- knowledge acquisition and gathering
- strategic use of knowledge
- practical application of knowledge
- knowledge management tools; tools acquisition and preservation of knowledge; tools for sharing and dissemination of knowledge

Temeljni literatura in viri / Readings:

- Peter Massingham, *Knowledge management in theory and practice*, Sage, UK, 2020.
- Cris J. Collison, Paul J. Corney, Patricia Lee, *The KM cookbook*, Facet Publishing, 2019.

Cilji in kompetence:

Učna enota prispeva k razvoju naslednjih splošnih:

- razumevanje pomena kibernetske varnosti
- sposobnost iskanja podatkov in virov za potrebe upravljanja kibernetske varnosti
- sposobnost fleksibilne uporabe pridobljenega znanja o kibernetski varnosti v praksi

in predmetno specifičnih kompetenc:

- načrtovanje in obvladovanje sprememb ob oblikovanju celovite ocene stanja na področju informatizacije v organizaciji z upoštevanjem relavantnih vidikov
- sposobnost analize stanja na področju informatizacije organizacije in izdelave predlogov za izboljšanje stanja
- poznavanje in razumevanje kulturnih in družbenih procesov in sposobnost njihove kompleksne analize
- uporaba in kombiniranje znanj z različnih disciplinarnih področij

Objectives and competences:

The instructional unit contributes to the development of the following general:

- understanding the importance of cyber security
- the ability to find data and sources for the needs of cyber security management
- the ability of flexible usage of the acquired knowledge on cyber security in practice

and subject-specific competences:

- planning and change management during comprehensive state evaluation in the field of informatisation considering various relevant aspects
- competence to analyse the state in the field of informatisation of an organisation and generate suggestions for the improvement of said state
- familiarity with and understanding of cultural and social processes and competence for their complex analysis
- use and combination of knowledge for various interdisciplinary fields

Predvideni študijski rezultati:

Znanje in razumevanje:

Sposobnost študenta/študentke bo:
- poznati pomen znanja za uspešnost podjetja
- pridobivanje in shranjevanje eksplicitnega znanja
- pridobivanje tihega znanja od posameznih ekspertov podjetja in prenos le-tega na druge uslužbence

Intended learning outcomes:

Knowledge and understanding:

The student will be able to:
- understand the importance of knowledge for the performance of the company
- acquire and understand explicit knowledge
- acquire tacit knowledge of experts from various companies and transfer it to the other servants

Metode poučevanja in učenja:

Learning and teaching methods:

• predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje primerov) • vaje z izdelavo domačih nalog in izdelava seminarske naloge • individualne in skupinske konzultacije (diskusija, dodatna razlaga, obravnava specifičnih vprašanj)	• lectures with active students' involvement (explanation, discussion, questions, examples, problem solving) • exercises with homework and seminar work • individual and group consultations (discussion, additional explanation, dealing with specific questions)

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt):		Type (examination, oral, coursework, project):
• pisni izpit	60	• written exam
• zagovor seminarske naloge	30	• preparation and presentation of seminar work
• domače naloge	10	• homework

Reference nosilca / Lecturer's references:

- DREV, Matjaž, DELAK, Boštjan. Conceptual Model of Privacy by Design. Journal of computer information systems. 2021, vol. , iss. , str. 1-8, ilustr. ISSN 0887-4417. DOI: 10.1080/08874417.2021.1939197. [COBISS.SI-ID 74349827].-
- MAASDORP, Christiaan, DELAK, Boštjan. Academic and practitioner perceptions of salient knowledge-related risks : (research-in-progress). V: Abstracts Proceedings - KM Conference 2021 - Leipzig, Germany : a publication of the International Institute for Applied Knowledge Management. [Leipzig: International Institute for Applied Knowledge Management, 2021]. Str. 31-https://www.iiakm.org/conference/proceedings/KM2021_RefereedProceedingsAbstracts.pdf. [COBISS.SI-ID 74367235].
- DELAK, Boštjan, MAASDORP, Christiaan. Fast and frugal knowledge risk assessment : utilizing domain expertise and multiple reference organizations : (research-in-progress). V: Abstracts Proceedings - KM Conference 2020 - Lisbon, Portugal : a publication of the International Institute for Applied Knowledge Management. [Lisbon: International Institute for Applied Knowledge Management, 2020]. Str. 28-http://www.iiakm.org/conference/proceedings/KM2020_RefereedProceedingsAbstracts.pdf. [COBISS.SI-ID 23595011],
- DELAK, Boštjan, MAASDORP, Christiaan. A measurable approach for risk justification of explicit and tacit knowledge assessment. The Online journal of applied knowledge management. 2019, vol. 7, iss. 1, str. 67-85, tabele. ISSN 2325-4688. http://www.iiakm.org/ojakm/articles/2019/volume7_1/OJAKM_Volume7_1pp67-85.pdf. [COBISS.SI-ID 2048620307].
- DELAK, Boštjan. Measurable approach for risk justification of explicit and tacit knowledge assessment. V: KM Conference 2017, Novo Mesto, Slovenia : refereed proceedings abstracts. Novo Mesto: International Institute for Applied Knowledge Management, 2017-http://www.iiakm.org/conference/proceedings/KM2017_RefereedProceedingsAbstracts.pdf. [COBISS.SI-ID 2048475923].
- DELAK, Boštjan. The Information system mirror approach and knowledge management maturity assessment. The Online journal of applied knowledge management, ISSN 2325-4688, 2016, vol. 4, iss. 2, str. 29-43,

http://www.iiakm.org/ojakm/articles/2016/volume4_2/OJAKM_Volume4_2pp29-43.pdf. [COBISS.SI-ID 2048391443].

- DELAK, Boštjan, DAMIJ, Nadja. Knowledge risk assessments. V: MASSARO, Maurizio (ur.), GARLATTI, Andrea (ur.). Proceedings of the 16th European Conference on Knowledge Management, University of Udine, Italy, 3-4 September 2015 : ECKM 2015. Reading: Academic Conferences and Publishing International, 2015. Str. 997-1004. ISBN 978-1-910810-47-7, ISBN 978-1-910810-46-0, ISBN 978-1-910810-48-4. . http://academic-conferences.org/eckm/eckm2015/eckm15-home.htm. [COBISS.SI-ID 2048298754],

- DELAK, Boštjan. Information system mirror - approach how to analyze information system strengths and weaknesses within organization. V: KANDUČ, Tadej (ur.). Social sciences via network analysis and computation. Frankfurt am Main: Peter Lang, cop. 2015. Str. [69]-78, ilustr. ISBN 978-3-631-66522-0, ISBN 978-3-653-05820-8, [COBISS.SI-ID 2048295682].

- DELAK, Boštjan, MAJEWSKI, Grzegorz, DAMIJ, Nadja. How to identify knowledge and evaluate knowledge management in organization. The Online journal of applied knowledge management, ISSN 2325-4688, 2014, vol. 2, iss. 2, str. 162-171, . ISSN 2325-4688.
http://www.iiakm.org/ojakm/articles/2014/volume2_2/OJAKM_Volume2_2pp162-171.pdf. [COBISS.SI-ID 2048301587].

- DELAK, Boštjan. How to evaluate knowledge within the organization : research in progress report. V: Refereed proceedings - abstracts. KM Conference 2015, Katowice, Poland, 2015, 24 - 27 June 2015. [S. l.]: International Institute for Applied Knowledge Management, 2015. Str. 8
http://www.iiakm.org/conference/proceedings/KM2015_RefereedProceedingsAbstracts.pdf. [COBISS.SI-ID 20063538].

- DELAK, Boštjan. How to evaluate knowledge and knowledge management in the organization using COBIT 5. *ISACA journal*, ISSN 1944-1975, 2015, vol. 3, str. 19-23, http://www.isaca.org/Journal/archives/2015/Volume-3/Pages/default.aspx. [COBISS.SI-ID 20063026].

- MAJEWSKI, Grzegorz, DELAK, Boštjan, DAMIJ, Nadja. TK aware business process simulation : a case study with Slovenian high-achieving company rrom the SME sector. V: VIVAS, Carla (ur.), SEQUEIRA, Pedro (ur.). Proceedings of the 15th European conference on knowledge management, Polytechnic institute of Santarém, Portugal, 4-5 September 2014. Reading: Academic Conferences and Publishing International Limited, 2014. Str. 593-600. ISBN 978-1-910309-35-3, . http://tinyurl.com/ECKM2014. [COBISS.SI-ID 2048312851].