UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Menedžment informacijskih procesov
Course title:	Management of Information Processes

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Strateško komuniciranje in menedžment, tretja stopnja	Menedžment	Prvi	Drugi
Strategic Communication and Management, 3rd level	Management	First	Second

Vrsta predmeta / Course type | Izbirni / Elective

Univerzitetna koda predmeta / University course code: | MIP / MIP

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
10	30	0	0	0	410	15

Nosilec predmeta / Lecturer: | Izr. prof. dr. Blaž Rodič / Assoc. prof. Blaž Rodič, Ph.D
(nosilec je v vlogi koordinatorja, ker pri izvajanju predmeta sodeluje več visokošolskih učiteljev / the lecturer plays the role of coordinator since several lecturer participate in the course)

Jeziki / **Languages:**	**Predavanja /** **Lectures:**	slovenski, angleški (tudi za seminar) / Slovenian, English (also for the seminars)
	Vaje / Tutorials:	/

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites:**
Vpis v 1. letnik doktorskega študija.	Enrolment in the first year of doctoral study.

Vsebina:

- Menedžment v informacijski družbi
- Menedžment poslovnih procesov: informatizacija
- Informatizacija procesov strateškega odločanja na različnih področjih (ekonomija, politika, znanost itd.)
- Razvoj informacijskih sistemov in tehnologij
- Upravljanje informacijskih procesov
- Menedžment podatkovnih baz
- Elektronsko komuniciranje
- Varovanje podatkov

Content (Syllabus outline):

- Management in the information society
- Management of business processes: informatisation
- Informatization of strategic decision-making processes in various fields (economics, politics, science, etc.)
- Development of information systems and technologies
- Management of information processes
- Database management
- Electronic communication
- Data protection

Temeljna literatura in viri / Foundational literature and sources:

Stair, R. & Reynolds, G. (2020): *Principles of Information Systems,* 14th ed. Boston: Cengage Learning.

Rainer, R. K., Prince, B. & Cegielski, C. G. (2013): *Introduction to Information Systems: Supporting and Transforming Business.* Wiley.

Valacich, J. & George, J. (2017): *Modern Systems Analysis and Design,* 8th ed. Pearson.

Dennis, A., Wixom, B. & Tegarden, D. (2012): *Systems Analysis and Design with UML* (4th ed.). Wiley.

Dodatni najnovejši viri po izbiri predavateljev / Additional most recent sources selected by the lecturers.

Cilji in kompetence:

Pridobitev splošnih kompetenc:
- sposobnost identificiranja danega raziskovalnega problema, njegove analize ter možnih rešitev;
- ustvarjanje novega znanja, ki pomeni relevanten prispevek k razvoju znanosti;
- sposobnost obvladanja standardnih metod, postopkov in procesov raziskovalnega dela na področju strateškega komuniciranja oziroma menedžmenta;

Objectives and competences:

Acquisition of general competences:
- ability to identify a given research problem, its analysis and possible solutions;
- creation of new knowledge, which represents a relevant contribution to the development of science;
- ability to master standard methods, procedures and processes of research work at in the field of strategic communication or management;

- razvoj veščin in spretnosti v uporabi znanja na raziskovalnem področju strateškega komuniciranja oziroma menedžmenta;
- zavezanost profesionalni etiki;
- sposobnost predstavitve pridobljenih znanstvenih izsledkov v obliki publikacij v mednarodni znanstveni periodiki.

Pridobitev predmetno specifičnih kompetenc:
- sposobnost kompleksnega pogleda na menedžment in strateškega delovanja v kontekstu informacijske družbe, vključno z interdisciplinarnim pristopom;
- razumevanje vloge in uporaba informacij v menedžmentu;
- sposobnost samostojnega raziskovalno-razvojnega dela in vodenje raziskovalne skupine;
- poznavanje pomena kakovosti in prizadevanje za kakovost strokovnega dela skozi avtonomnost, (samo)kritičnost, (samo)refleksivnost in (samo)evalviranje v strokovnem delu;
- sposobnost za reševanje konkretnih raziskovalnih problemov na različnih področjih menedžmenta poslovnih procesov in informatizacije.

- development of skills in the application of knowledge in the field of strategic communication or management;
- commitment to professional ethics;
- ability to present the obtained scientific results in the form of publications in international scientific periodicals.

Acquisition of course-specific competences:
- ability of complex view of management and strategic action in the context of information society, including interdisciplinary approach;
- understanding the role and usage of information in management;
- ability of independent research and development work and leading a research group;
- knowledge of the importance of quality and striving for the quality of professional work through autonomy, (self) criticality, (self) reflexivity and (self) evaluation in professional work;
- ability to solve concrete research problems in different fields of management of business processes and informatisation.

Predvideni študijski rezultati:

Znanje in razumevanje:

Študent/študentka:
Slušatelji predmeta bodo seznanili s temeljnimi informacijskimi področji, ki so prisotni skoraj v vsakem podjetju tako v Sloveniji kot po svetu.

Intended learning outcomes:

Knowledge and understanding:

The student:
Students will be introduced to the basic information areas that are present almost in every company in Slovenia and around the world.

Metode poučevanja in učenja:

- *predavanja* z aktivno udeležbo doktorandov (razlaga, diskusija, vprašanja, primeri, reševanje problemov);

Learning and teaching methods:

- *lectures* with active participation of doctoral students (explanations, discussion, cases, problem-solving);

- *seminarsko delo* (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, diskusija, sporočanje povratne informacije, dodatna razlaga); - *uporaba spletne učilnice* oziroma drugih sodobnih IKT orodij; - *individualno delo študentov* (samostojen študij literature, priprava razširjene raziskovalne naloge).		- *seminar work* (reflecting experience, project work, team work, methods of critical thinking, discussions, reporting feedback information, additional explanations); - *use of online classroom* or other contemporary ICT tools; - *individual students' research work* (independent study of literature, preparing the extended research paper).

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt): Razširjena raziskovalna naloga (cca. 5000 besed), ki se lahko poteguje za objavo v mendnarodni recenzirani reviji/ monografiji ali za prezentacijo na mednarodni znanstveni konferenci/ delavnici. Ocenjevalna lestvica – skladno s Pravilnikom o preverjanju in ocenjevanju znanja.	100 %	Type (examination, oral, coursework, project): Extended research paper (cca. 5000 words) able to compete for publication in an international peer reviewed journal/monograph or for the presenation at the international scientific conference/workshop. The grading scale is harmonized with the Rules for verification and evaluation of knowledge.

Reference nosilca / Lecturer's references:

- RODIČ, Blaž. Industry 4.0 and the new simulation modelling paradigm. *Organizacija: revija za management, informatiko in kadre*, ISSN 1318-5454, aug. 2017, vol. 50, no. 3, str. 193-207, doi: 10.1515/orga-2017-0017.
- BRELIH, Marjan, RAJKOVIČ, Uroš, RUŽIČ, Tomaž, RODIČ, Blaž, KOZELJ, Daniel. Modelling decision knowledge for the evaluation of water management investment projects. Central European *Journal of Operations Research,* ISSN 1435-246X, 2018, https://link.springer.com/content/pdf/10.1007%2Fs10100-018-0600-5.pdf, doi: 10.1007/s10100-018-0600-5.
- KANDUČ, Tadej, RODIČ, Blaž. Optimisation of machine layout using a force generated graph algorithm and simulated annealing. *International journal of simulation modelling*, ISSN 1726-4529, 2016, vol. 15, no. 2, str. 275-287.
- RODIČ, Blaž, BAGGIA, Alenka. Dynamic airport ground crew scheduling using a heuristic scheduling algorithm. *International journal of applied mathematics and informatics,* ISSN 2074-1278, 2013, vol. 7, iss. 4, str. 153-163.

- RODIČ, Blaž. Mobile agents for distributed decision support systems. The International Scientific *Journal of Management Information Systems,* ISSN 1452-774X, 2011, vol. 6, no. 1, str. 20-27.
- RODIČ, Blaž, KLJAJIĆ, Miroljub. Accessing distributed data sources with mobile agents and XML. V: JAŠKOVÁ, Mária (ur.). *ECON '05: [selected research papers]*, (Research works proceedings, ISSN 0862-7908, Vol. 12, 2005). Ostrava: Technical University of Ostrava, Faculty of Economics. 2005, str. 280-287.
- RODIČ, Blaž, KLJAJIĆ, Miroljub. Integracija simulacijskih orodij v e-poslovni informacijski sistem. V: GRIČAR, Jože (ur.). *Izboljšanje konkurenčnosti regije z e-poslovanjem*, (Organizacija, ISSN 1318-5454, Letn. 37, 2004, št. 3). Kranj: Moderna organizacija. 2004, str. 162-167.
- ŠKRABA, Andrej, BAGGIA, Alenka, RODIČ, Blaž. Application of a group decision support system in the reform of study programmes. V: DONDON, Philippe (ur.). *Recent advances in education and modern educational technologies*, (Educational technologies series, 9). [S. l.: s. n.]. 2013, str. 128-134.
- RODIČ, Blaž. Issues of e-collaboration and knowledge management in media industries. V: LUGMAYR, Artur (ur.), et al. *Information systems and management in media and entertainment industries*, (International series on computer entertainment and media technology (Online), ISSN 2364-9488). Cham: Springer, cop. 2016.