

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Menedžerski informacijski sistemi
Course title:	Management Information Systems

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Medkulturni menedžment, druga	Program nima smeri	prvi	prvi
Intercultural Management, second	The programme has no fields	first	first

Vrsta predmeta / Course type Obvezni / Mandatory

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
20	0	20	0	0	110	5

Nosilec predmeta / Lecturer: doc. dr. Nuša Erman / Assist. Prof. Nuša Erman, PhD

Jeziki / Languages:	Predavanja / Lectures:	slovensko, angleško / Slovenian, English
	Vaje / Tutorial:	slovensko, angleško / Slovenian, English

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

Pogoj za vključitev v delo je vpis v prvi letnik magistrskega študija.

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

Prerequisites:

The prerequisite is enrolment into the first year of the study.

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

Vsebina:

Informacijski sistemi in njihova vloga v poslovanju:

- kaj je informacijski sistem,
- dimenzije informacijskih sistemov,
- kako informacijski sistemi spreminjajo poslovanje,
- poslovni procesi in informacijski sistemi,

Content (Syllabus outline):

Information systems and their role in business:

- what is an information system,
- dimensions of information systems,
- how information systems are transforming business,
- business processes and information systems,

- vrste informacijskih sistemov (PIS, TPS, MIS, DSS, ESS),
- sistemi za povezovanje organizacije (ERP, SCM, CRM, KMS).

Organizacije in informacijski sistemi:

- vpliv informacijskih sistemov na organizacije,
- uporaba informacijskih sistemov za doseganje konkurenčne prednosti,
- etična in družbena vprašanja uporabe informacijskih sistemov,
- varnost informacijskih sistemov.

Infrastruktura informacijskih tehnologij:

- evolucija infrastrukture IT,
- tehnološki dejavniki evolucije infrastrukture IT,
- komponente infrastrukture IT.

Odločanje v organizaciji:

- kaj je odločanje,
- pristopi k odločanju,
- proces odločanja,
- metode in tehnike odločanja,
- odločanje in informacijski sistemi.

Poslovno obveščanje v organizaciji:

- uporaba poslovnega obveščanja v procesu odločanja na različnih ravneh upravljanja.

Večkriterijsko modeliranje:

- večkriterijski modeli,
- hierarhični večkriterijski modeli,
- kvantitativni in kvalitativni večkriterijski modeli.

Modeliranje odločitev v praksi:

- uporaba sodobne programske opreme za reševanje odločitvenih problemov.

- types of information systems (BIS, TPS, MIS, DSS, ESS),
- systems for linking the organization (ERP, SCM, CRM, KMS).

Organizations and information systems:

- impact of information systems on organizations,
- using information systems to achieve competitive advantage,
- ethical and social issues of using information systems,
- information systems security.

Information technology infrastructure:

- evolution of IT infrastructure,
- technology drivers of IT infrastructure evolution,
- components of IT infrastructure.

Decision making in organizations:

- what is decision-making,
- decision-making approaches,
- decision-making process,
- decision-making methods and techniques,
- decision making and information systems.

Business intelligence in organization:

- business intelligence in decision-making process at different levels of management.

Multicriteria modelling:

- multicriteria models,
- hierarchical multicriteria models,
- quantitative and qualitative multicriteria models.

Decision modelling in practice:

- use of contemporary software to solve decision problems.

Temeljni literatura in viri / Readings:

Laudon, K.C. & Laudon, J.P. (2020): *Management Information Systems: Managing the Digital Firm*, 16th Edition. Harlow: Pearson Education Limited.

Kroenke, D. & Boyle, R.L. (2020): *Using MIS*, 11th Edition. Harlow: Pearson Education Limited.

Sharda, R., Delen, D., Turban, E. & King, D. (2018): *Business Intelligence, Analytics and Data Science: A Managerial Approach*, 4th Edition. Harlow: Pearson Education Limited.

Bohanec, M. (2012): *Odločanje in modeli*, 1. ponatis. Ljubljana: DMFA Založništvo.

Cilji in kompetence:

- poznavanje in razumevanje kulturnih in družbenih procesov in sposobnost njihove kompleksne analize;
- uporaba metodoloških orodij, tj. izvajanje, koordiniranje in organiziranje raziskav, uporaba raznih raziskovalnih metod in tehnik;
- sposobnost timskega dela, tj. pripravljenost na sodelovanje, kooperativnost, upoštevanje mnenj drugih in izpolnjevanje dogovorjene vloge v okviru tima in skupine;
- sposobnost uporabe informacijsko-komunikacijskih tehnologij in sistemov na področju kulture;
- prepoznavanje inovacij kot orodje za ustvarjanje socialnih sprememb.

Objectives and competences:

- Knowledge and understanding of cultural and social processes and the ability for their complex analysis;
- The application of methodological tools, i.e. implementation, coordination and organization of the research, the application of different research methods and techniques;
- The ability for teamwork, i.e. willingness for cooperation, collaboration, taking into account the opinions of others and fulfilment of the defined roles within the team and the group;
- The ability to apply information and communication technologies and systems in the field of culture;
- Recognizing innovation as a tool for creating social change.

Predvideni študijski rezultati:

- poznavanje strateškega pomena menedžerskih informacijskih sistemov oz. sistemov za poslovno obveščanje;
- poznavanje uporabnosti informacijskih sistemov za podporo menedžmentu;
- uporaba informacijskih sistemov kot podporo odločanju;

Intended learning outcomes:

- Recognizes the strategic importance of management information systems, i.e. business intelligence systems;
- Recognizes the utility of information systems in management support;
- Learns how to use information systems and decision support;

- obvladovanje metod izdelave večkriterijskih odločitvenih modelov;
- poznavanje ekspertnih sistemov;
- poznavanje etičnih vidikov uporabe menedžerskih informacijskih sistemov.

- Masters multi-criteria decision modelling;
- Learns about expert systems;
- Understands the ethical aspects of the use of management information systems.

Metode poučevanja in učenja:

- predavanja z aktivno udeležbo študentov (razlaga snovi, pogovori, vprašanja, primeri, reševanje problemov);
- seminarske vaje v povezavi s prakso (večkriterijsko odločanje, podpora odločanju);
- individualne in skupinske konzultacije (pogovori, dodatna razlaga, obravnava specifičnih vprašanj);
- spodbujanje samostojnega študija in raziskovanja (motiviranje, usmerjanje, samoopazovanje, samouravnavanje, refleksija, samoocenjevanje);
- uporaba spletne učilnice oziroma drugih sodobnih IKT orodij.

Learning and teaching methods:

- Lectures with the active participation of students (presentation, discussion, questions, problems, problem solving);
- Laboratory exercises (multi-criteria modelling, decision support);
- Individual and group consultation (discussion, additional explanation, specific issues);
- Stimulation of independent study and research (motivation, guidance, self-observation, self-regulation, reflection, self-assessment);
- Use of online classroom or other contemporary ICT tools.

Delež (v %) /

Weight (in %) **Assessment:**

Načini ocenjevanja:

Način (pisni izpit, ustno izpraševanje, naloge, projekt):	Delež (v %) / Weight (in %)	Assessment: Type (examination, oral, coursework, project):
Pisni izpit	50%	Written exam
Empirična seminarska naloga s poročili seminarskega dela ter predstavitev naloge	50%	Seminar paper
Ocenjevalna lestvica – skladno s Pravilnikom o preverjanju in ocenjevanju znanja na FUDŠ.		Grading scale - in accordance with the Rules of examination and evaluation of knowledge.

Reference nosilca / Lecturer's references:

Erman, Nuša, Golob, Tea, Jelovac, Dejan, Rakovec, Primož (2020): The impact of internal dialogue on aggressive driving. *The social sciences*, ISSN 1993-6125. [Online ed.], vol. 15, iss. 3, str. 119-127.

Erman, Nuša, Korošec, Aleš, Suklan, Jana (2015): Performance of selected agglomerative hierarchical clustering methods. *Innovative issues and approaches in social sciences*, ISSN 1855-0541, vol. 8, no. 1, str. 180-204.

Erman, Nuša, Todorovski, Ljupčo (2015): The effects of measurement error in case of scientific network analysis. *Scientometrics*, ISSN 0138-9130, vol. 104, iss. 2, str. 453-473.

Erman, Nuša (2015): *Izbrani vidiki proučevanja znanstvenih omrežij: teorija in praksa*. 1. izd. Ljubljana: Vega, 103 str.