UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	Projekti informacijskih tehnologij
Course title:	Information Technology Projects

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Poslovna informatika, magistrski študijski program druge stopnje	-	Prvi	Drugi
Business informatics, second cycle Masters Study Programme	-	First	Second

Vrsta predmeta / Course type	Obvezni / Obligatory

Univerzitetna koda predmeta / University course code:	4-PI-MAG-PIT-2022-05-27

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	30	-	-	150	7

Nosilec predmeta / Lecturer:	doc. dr. Nuša Erman

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:
Ni posebnih pogojev za vključitev v delo.	No special requirements.

Vsebina:
- osnove projektnega vodenja
- IKT orodja za vodenje projektov
- projekt informacijskih tehnologij: projektno vodenje in aktivnosti projektne skupine
- identifikacija in razvoj naročnikovih zahtev
- organiziranje projektne skupine
- komuniciranje projektne skupine
- razvoj načrta projekta informacijskih tehnologij

Content (Syllabus outline):
- basics of project management
- ICT tools for project management
- IT projects: project management and activities of the project group
- identification and development of the client's requirements
- organizing project group
- communications in project group
- development of the project plan
- risk management in IT projects

• upravljanje tveganj v projektih IT • sistemski pristop v upravljanju projektov • monitoring projekta in nadzor • hiter razvoj v IT projektih • zaključevanje projekta	• systematic approach to project management • project monitoring and control • the rapid development of IT projects • conclusion of the project

Temeljni literatura in viri / Readings:

- Marchewka, Jack T.: *Information Technology Project Management: Providing measurable Organizational Value, 5th edition*. Wiley, 2016.
- Phillips, Joseph: *PMP Project Management Professional Study Guide*, 5th edition. McGraw-Hill, 2018.
- Brewer, Jeffrey L. and Kevin C. Dittman: *Methods of IT Project Management,* 3rd edition. Purdue University Press, 2018.
- Project Management Institute: The Standard for Project Management and a *Guide to the Project Management Body of Knowledge (PMBOK® Guide)- 7th Edition*. Project Management Institute Inc., 2021.
- Erman, Nuša: Prosojnice iz predavanj in gradiva z vaj pri predmetu Projekti informacijskih tehnologij. Moodle, FIŠ.

Cilji in kompetence:	**Objectives and competences:**
Učna enota prispeva k razvoju naslednjih splošnih in predmetno specifičnih kompetenc: *Splošne kompetence:* • prizadevanje za kakovost strokovnega dela skozi avtonomnost, samoiniciativnost, (samo)kritičnost, (samo)refleksivnost in (samo)evalviranje; • sposobnost iskanja virov in pridobivanja podatkov za potrebe digitalizacije poslovanja. *Predmetno-specifične kompetence:* • usposobljenost za načrtovanje informacijskih sistemov in razvoja aplikacij e-poslovanja v sodobni družbi, • sposobnost analize stanja na področju informatizacije organizacije in izdelave predlogov za izboljšanje stanja, • načrtovanje in obvladovanje sprememb ob oblikovanju celovite ocene stanja na področju informatizacije v	*The instructional unit contributes to the development of the following general and subject-specific competences:* General competences: • Striving for the quality of professional work through autonomy, self-initiative, as well as (self-)criticism, (self-)reflection and (self-)evaluation. • The ability to find sources and obtain data for the needs of digitalization of business. Subject-specific competences: • competence to plan information systems and develop applications of e – business in contemporary society, • competence to analyse the state in the field of informatisation of an organisation and generate suggestions for the improvement of said state, • planning and change management during comprehensive state evaluation

organizaciji z upoštevanjem relevantnih vidikov, • sposobnost vodenja projektov vpeljave informacijskega sistema in posameznih aplikacij.	in the field of informatisation considering various relevant aspects, • the ability to manage projects of introduction of an information system and individual applications.

Predvideni študijski rezultati:	**Intended learning outcomes:**
Študenti bodo zmožni: • pripraviti in voditi projekt informacijskih tehnologij • nadzirati izvajanje projektov informacijskih tehnologij • uporabiti IKT za vodenje projektov	• Students will be able to: prepare and manage information technology projects • monitor the implementation of information technology projects • use ICT for project management

Metode poučevanja in učenja:	**Learning and teaching methods:**
• *predavanja* z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov) • *laboratorijske vaje* (spoznavanje IKT za vodenje projektov) • individualne in skupinske *konzultacije* (diskusija, dodatna razlaga, obravnava specifičnih vprašanj)	• lectures with active participation of students (explanation, discussion, questions, examples, problem solving) • laboratory exercises (learning about ICT project management) • individual and group consultations (discussion, additional explanation,deals with specific issues)

Načini ocenjevanja:	Delež (v %) / Weight (in %)	**Assessment:**
Način (pisni izpit, ustno izpraševanje, naloge, projekt):		Type (examination, oral, coursework, project):
• pisni izpit • priprava projekta	80 20	• written exam • project preparation

Reference nosilca / Lecturer's references:

- ERMAN, Nuša, ROJKO, Katarina, LESJAK, Dušan. Traditional and new ICT spending and its impact on economy. Journal of computer information systems, ISSN 0887-4417, 2020, vol. , iss. , str. 1-13.
- ROJKO, Katarina, ERMAN, Nuša, JELOVAC, Dejan. Impacts of the transformation to industry 4.0 in the manufacturing sector : the case of the U.S. Organizacija : revija za management, informatiko in kadre, ISSN 1318-5454. [Tiskana izd.], Nov. 2020, vol. 53, no. 4, str. 287-305.
- ERMAN, Nuša. Prospects for innovation performance on European level. Research in social change, ISSN 1855-4202, Sep. 2020, vol. 12, iss. 3, str. 100-114.