UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	Vodenje projektov
Course title:	Project 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-VP-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. 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
- Metode, tehnike in orodja projektnega vodenja
- Značilnosti in stanje IT projektov
- Življenjski cikel razvoja projekta
- Življenjski cikel razvoja sistema
- Področja projektnega vodenja
- Konceptualizacija in zasnova IT projekta
- Planiranje projekta
- Obseg projekta in strukturirana členitev dela

Content (Syllabus outline):

- Basics of project management
- Methods, techniques and tools for project management
- IT project characteristics and state
- Project life cycle
- System development life cycle
- Project management knowledge areas
- Conceptualizing and initializig the IT project
- Project planning

• Razvoj projektnega urnika in proračuna • Upravljanje tveganj v projektih IT • Upravljanje deležnikov in komunikacij • Upravljanje kakovosti • Vodenje projektnega tima • Upravljanje sprememb in konfliktov • Nadzor in kontrola projekta • Izvajanje, zaključevanje in evalvacija projekta	• Project scope and Work breakdown structure • Developing project schedule and budget • Risk management in IT projects • Project stakeholders and communication management • Quality management • Leading the project team • Change and conflict management • Project monitoring and control • Project implementation, closure and evaluation

Temeljni literatura in viri / Readings:

- Marchewka, Jack T. 2016. *Information technology project management: Providing measurable organizational value* (5th edition). Hoboken: John Wiley & Sons.
- Schwalbe, Kathy. 2018. *Information Technology Project Management* (9th Edition). Boston: Cengage Learning.
- Taylor, James. 2004. *Managing Information Technology Projects: Applying Project Management Strategies to Software, Hardware, and Integration Initiatives*. New York: American Management Association (AMACOM).
- Erman, Nuša: Prosojnice iz predavanj in gradiva z vaj pri predmetu Vodenje projektov. Moodle, FIŠ.

Cilji in kompetence:	**Objectives and competences:**
Učna enota prispeva k razvoju naslednjih splošnih:	*The instructional unit contributes to the development of the following general:*
• poznavanje pomena kakovosti in prizadevanje za kakovost strokovnega dela skozi avtonomnost, samoiniciativnost, (samo)kritičnost, (samo)refleksivnost in (samo)evalviranje; • poznavanje uveljavljenih metodoloških pristopov za upravljanje varnosti sodobnih informacijskih sistemov in omrežij;	• knowledge of the importance of quality and striving for the quality of professional work through autonomy, self-initiative, as well as (self-)criticism, (self-)reflection and (self-)evaluation; • knowledge of established methodological approaches for security management of modern information systems and networks;
in predmetno specifičnih kompetenc:	*and subject-specific competences:*
• usposobljenost za načrtovanje informacijskih sistemov in razvoja aplikacij e-poslovanja v sodobni družbi; • sposobnost analize stanja na področju informatizacije	• 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

organizacije in izdelave predlogov za izboljšanje stanja; • načrtovanje in obvladovanje sprememb ob oblikovanju celovite ocene stanja na področju informatizacije v organizaciji z upoštevanjem varnostnih vidikov; • sposobnost vodenja projektov informacijskega sistema in posameznih aplikacij informacijsko komunikacijske tehnologije.	an organisation and generate suggestions for the improvement of said state; • planning and change management during comprehensive state evaluation in the field of informatisation considering security aspects; • the ability to manage information system projects and individual applications of information communication technology.

Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: *Sposobnost študenta/študentke bo:* • priprava in vodenje projekta informacijskih tehnologij • nadzor izvajanja projektov informacijskih tehnologij • poznavanje in uporaba IKT za vodenje projektov	Knowledge and understanding: Students ability: • preparation and management of information technology projects • monitoring the implementation of information technology projects • knowledge and use ICT for project management

Metode poučevanja in učenja:	**Learning and teaching methods:**
• *predavanja* z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov) • 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) • 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 • seminarska naloga	80 % 20 %	• written exam • seminar

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.