	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet	Planiranje in obvladovanje informacijskih sistemov
Course title	Planning and Management of Information Systems

Študijski program in stopnja **Study programme and level**	**Študijska smer** **Study field**	**Letnik** **Academic year**	**Semester** **Semester**
Poslovna informatika 1	Poslovna informatika	2./3.	4./5.
Business Informatics 1	Business informatics	2nd/3rd	4th/5th

Vrsta predmeta/Course type   izbirni/elective

Univerzitetna koda predmeta/University course code

Predavanja **Lectures**	**Seminar** **Seminar**	**Sem. vaje** **Tutorial**	**Lab. vaje** **Laboratory work**	**Teren. vaje** **Field work**	**Samost. delo** **Individ. work**	**ECTS**
30			30		90	6

Nosilec predmeta/Lecturer: Doc. dr. Sebastian Lahajnar

Jeziki/ **Languages:**	**Predavanja/Lectures:**	slovenski/Slovenian
	Vaje/Tutorial:	slovenski/Slovenian

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites:**
• Pogoj za vključitev v delo je vpis v 2. ali 3. letnik študija. • Študent mora pred izpitom uspešno zagovoriti seminarsko nalogo.	• The prerequisite for participation is enrolment in the second or third year of study. • Students have to successfully prepare and present a seminar paper before the examination.

Vsebina:	**Content (Syllabus outline):**
• *Informacijska, poslovna in tehnološka arhitektura IS.* • *Povezava in odvisnost med strategijo informatike in poslovno strategijo.* • *Metodologija strateškega planiranja informacijskih sistemov.* • *Standard COBIT in obvladovanje IT procesov.* • *Upravljanje delovanja in vzdrževanja informacijskih sistemov.* • *Revidiranje in certificiranje na področju informacijskih sistemov.* • *Prenova informacijskih sistemov.* • *Podpora uvajanju elektronskega in mobilnega poslovanja.*	• *Information, business and technological architecture of information systems.* • *Link and dependence between informatics strategy and business strategy.* • *Methodology of strategic planning of information systems.* • *COBIT standard and IT process management.* • *Management of information system operation and maintenance.* • *Auditing and certification in the field of information systems.* • *Modernisation of information systems.* • *Support for the introduction of electronic and mobile commerce*

Temeljna literatura in viri/Readings:

EMRIS – *Enotna metodologija razvoja informacijskih sistemov*. Ljubljana: FRI, 2004.
Lankhorst, M. et al. (2004). *Enterprise Architecture at Work* - Modelling, Communication, and Analysis. Springer; 1 edition.

Cilji in kompetence:	**Objectives and competences:**
Učna enota prispeva predvsem k razvoju naslednjih splošnih in specifičnih kompetenc: • fleksibilna uporaba znanja v praksi; • sposobnost za upravljanje s časom, za samopripravo in načrtovanje ter samokontrolo izvajanja načrtov; • osveščenost o zmožnostih in omejitvah informacijskih tehnologij; • usposobljenost za načrtovanje sistemov; • poznavanje in razumevanje pomena strateškega planiranja informatike v sodobnih organizacijah ter planiranje informatike v povezavi s planiranjem poslovne strategije; • razumevanje teoretičnih in praktičnih vidikov upravljanja delovanja in vzdrževanja informacijskih sistemov; • razumevanje osnov standarda COBIT in pomena obvladovanja IT procesov; • razumevanje pomena revidiranja in certificiranja IS z vidika poslovnega uporabnika; • poznavanje metodologije strateškega planiranja s poudarkom na razumevanju sodelovanja poslovnih uporabnikov pri strateškem planiranju.	*The learning unit mainly contributes to the development of the following general and specific competences:* • flexible use of knowledge in practice; • the ability to manage time, make preparations and plans and exercise self-control in the implementation of the plans; • awareness of capabilities and limitations of information technologies. • the ability of systems planning; • knowledge and understanding of the importance of strategic informatics planning in modern organisations, as well as planning of informatics in connection with planning business strategy; • understanding of theoretical and practical aspects of operation management and maintenance of information systems; • understanding basics of the COBIT standard and the importance of IT process management; • understanding the importance of auditing and certification of information systems from the viewpoint of a business user; • knowledge of the strategic planning methodology with emphasis on understanding cooperation among business users in strategic planning.

Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: *Študent/Študentka:* • razume pojme informacijske, poslovne in tehnološke arhitekture ter povezav in odvisnosti med njimi; • razume povezavo in odvisnost med strategijo informatike in poslovno strategijo; • pozna osnove metodologije strateškega planiranja informacijskih sistemov; • razume strateško planiranje informacijskih sistemov;	Knowledge and understanding: *Students:* • understand the terms of information, business and technological architecture as well as the links and dependence among them; • understand the link and dependence between informatics strategy and business strategy; • know the basic strategic planning methodology of information systems; • understand strategic planning of

• razume upravljanje delovanja in vzdrževanja informacijskih sistemov; • razume osnove revidiranja in certificiranja na področju informacijskih sistemov; • pozna dela in naloge v okviru vzdrževanje informacijskih sistemov; • pozna osnove področja prenove informacijskih sistemov; • pozna osnove področja uvajanja elektronskega in mobilnega poslovanja.	information systems; • understand operation management and maintenance of information systems; • understand the basics of auditing and certification in the field of information systems; • know the work and duties in the field of information system maintenance; • know the basics in the field modernisation of information systems; • know the basics of the introduction of electronic and mobile commerce.

Metode poučevanja in učenja: | **Learning and teaching methods:**

• *predavanja* z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov); • *laboratorijske vaje* v povezavi s predmetom (reševanje praktičnih problemov, uporaba programskih orodij); • *samostojen študij.*	• *lectures* with active participation of students (explanation, discussion, questions, examples, problem solving); • *laboratory work* in connection with the course (solving practical problems, use of programming tools); • *independent study.*

	Delež (v %)	
Načini ocenjevanja:	Weight (in %)	**Assessment:**
Način (pisni izpit, ustno spraševanje, naloge, projekt):		Types (written examination, oral examination, coursework, project):
• pisni (ustni) ustni izpit • seminarska naloga s predstavitvijo in zagovorom	60 40	• written (oral) exam • seminar paper presentation and defence