6UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	Tehnologije e-poslovanja
Course title:	e-Business Technologies

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Informatika v sodobni družbi, univerzitetni študijski program prve stopnje	-	Drugi ali tretji	Četrti ali šesti
Informatics in Contemporary Society, first cycle Academic Study programme	-	Second or third	Fourth or sixth

Vrsta predmeta / Course type	Izbirni / Elective
Univerzitetna koda predmeta / University course code:	1-ISD-UN-IP-TEP-2019-05-13

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	45	-	-	105	6

Nosilec predmeta / Lecturer:	
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:
Študent/študentka mora pred pristopom k izpitu tekoče izpolnjevati obveznosti z vaj ter pripraviti in uspešno zagovarjati svoj projekt.	Prior to taking an exam, student must fulfil all current academic obligations relating to tutorials, as well as prepare and successfully defend a project.

Vsebina:	Content (Syllabus outline):
• e-poslovanje in uporabnik (»družbeni inženiring«) • protokoli v e-poslovanju • nadzor dostopa v sistemih e-poslovanja • uporaba kriptografije • porazdeljeni sistemi (sočasnost, odpornost, zanesljivost) • večnivojska varnost (multilevel security) v sistemih e-poslovanja • večstranska varnost (multilateral	• e-commerce and the user ("social engineering") • protocols in e-commerce • access control systems in e-commerce • use of cryptography • distributed Systems (concurrency , resilience , reliability) • multilevel security (multilevel security) systems in e-commerce • multilateral Security (multilateral

security) v sistemih e-poslovanja • bančništvo in plačilni sistemi • varnost v telekomunikacijskih sistemih • napadi in obramba v računalniških omrežjih • upravljanje in razvoj varnih aplikacij in sistemov e-poslovanja • preverjanje sistemov e-poslovanja • obravnava primerov iz prakse	security) systems in e-commerce • banking and payment systems • security in telecommunication systems • attacks and defenses on computer networks • management and development of secure applications and e-business systems • verification of e-commerce • case studies from practice

Temeljni literatura in viri / Readings:

- Laudon, K.C., Traver, C.G., E-Commerce 2015 (11th Edition), Prentice Hall, 2014.
- ANDERSON, Ross. Security Engineering: A Guide to Building Dependable Distributed Systems, 2. izdaja, Wiley 2008, poglavja 1-6, 8-10, 20,21,25 in 26.
- Stair, R.M., Reynolds, G.W.: Principles of Information Systems (seventh edition), Thomson Learning, 2005.
- KALAKOTA, R.: E-business, Addison Wesley, New York, 2002.
- CHAFFEY, D.: E-Business and E-Commerce Management - Strategy, Implementation and Practice, FT Prentice Hall, 2011.
- SLOVENSKI INŠTITUT ZA STANDARDIZACIJO, SIST ISO/IEC 27001:2013, 2013.

Cilji in kompetence:	**Objectives and competences:**
Učna enota prispeva k razvoju naslednjih splošnih in predmetno- specifičnih kompetenc: • usposobljenost za samostojno in avtonomno uporabo, nadzor in vzdrževanje informacijsko komunikacijske tehnologije v organizaciji • razvoj (samo)kritične presoje • sposobnost za reševanje konkretnih družbenih in delovnih problemov z uporabo družboslovnih znanstvenih metod in postopkov • razumevanje informatizacije z implementacijo celovitih informacijskih rešitev in e-poslovanja v praksi	*The instructional unit contributes to the development of the following general and subject-specific competences*: • competence for independent and autonomous use, monitoring and maintenance of information communication technology in an institution • development of (self)critical judgement; • competence for solving actual social and work problems with the use of social scientific methods and procedures • understanding of informatisation with the implementation of comprehensive information and e - business solutions in practice

Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: *Sposobnost študenta/študentke bo:* • poznavanje osnovnih problemov, ki jih je potrebno reševati pri vzpostavljanju sistemov e-	Knowledge and understanding: *Students will acquire:* • knowledge of fundamental problems that need to be addressed in the establishment of e-

poslovanja • poznavanje principa izgradnje sistemov e-poslovanja • poznavanje tehnoloških principov, ki opredeljujejo način reševanja značilnih problemov tega področja • poznavanje in razumevanje varnostnih tveganj in različnih načinov obrambe pred napadi v sistemih e-poslovanja • poznavanje temeljev upravljanja in razvoja varnih aplikacij in sistemov ter standardnih načinov preverjanja le-teh	commerce • knowledge of principles of construction of systems for e-commerce • knowledge of technological principles that define the way of solving specific problems in this area • knowledge and understanding of security risks and the various ways of defense against attacks in e-commerce • knowledge of the fundamentals of management and the development of secure applications and systems as well as standard methods of verification thereof

Metode poučevanja in učenja:	**Learning and teaching methods:**
• *predavanja* z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov) • *vaje,* kjer bodo študentje pri konkretnih problemih ponovili, utrdili in dodatno osvetlili pojme, spoznane na predavanjih • *vaje v računalniški učilnici*, pri katerih bodo študentje uporabili tehnologije, obravnavane na predavanjih; potekale bodo v manjših skupinah, tako da z enim računalnikom dela eden do največ dva študenta • *projekt*, v okviru samostojnega dela ali dela v parih bo študent samostojno preučil določeno vsebinsko področje ali rešil konkreten problem ter ga predstavil	• lectures with active participation of students (explanation, discussion , questions, examples , problem solving) • Exercises where students will use specific problems, to reinforce, consolidate and shed further light on the concepts presented in class • exercises in the computer lab , where students will use technology discussed in class ; will take place in small groups, one computer to a maximum of two students • a project in the context of individual work or work in pairs. Students will independently examine certain scope or solve a concrete problem and present it

Načini ocenjevanja:	Delež (v %) / Weight (in %)	**Assessment:**
Način (pisni izpit, ustno izpraševanje, naloge, projekt): • pisni izpit • projekt • vaje	 50 30 20	Type (examination, oral, coursework, project): • written exam • seminar • exercises