

INFORMACIJSKA TEHNOLOGIJA V JAVNI UPRAVI

UČNI NAČRT PREDMETA/COURSE SYLLABUS

Predmet: Course title: Članica nosilka/UL Member:	INFORMACIJSKA TEHNOLOGIJA V JAVNI UPRAVI INFORMATION TECHNOLOGIES IN PUBLIC ADMINISTRATION UL FU
---	--

Študijski programi in stopnja	Študijska smer	Letnik	Semestri	Izbirnost
Uprava - Upravljanje javnega sektorja, druga stopnja, magistrski	Ni členitve (študijski program)	1. letnik	1. semester	obvezen

Univerzitetna koda predmeta/University course code:	0576571
Koda učne enote na članici/UL Member course code:	2004

Predavanja /Lectures	Seminar /Seminar	Vaje /Tutorials	Klinične vaje /Clinical tutorials	Druge oblike študija /Other forms of study	Samostojno delo /Individual student work	ECTS
28	14			118	80	8

Nosilec predmeta/Lecturer:	Dimitar Hristovski, Tina Jukić
----------------------------	--------------------------------

Vrsta predmeta/Course type:	OBVEZNI/CORE
-----------------------------	--------------

Jeziki/Languages:	Predavanja/Lectures:	Angleščina, Slovenščina
	Vaje/Tutorial:	

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

Ni pogojev.	No prerequisites.
-------------	-------------------

Vsebina:	Content (Syllabus outline):
1. Definicije in zgodovinski kontekst uvajanja IT v javni upravi, e-uprava 2. Fazni modeli uvajanja in razvoja e-uprave 3. Nacionalne strategije e-uprave 4. Učinki IT in vrednotenje e-uprave 5. Mednarodni okviri za vrednotenje e-uprave 6. Digitalni razkorak 7. Upravljalski pristop k vpeljavi IT v javni upravi 8. Portali »vse na enem mestu« 9. Interoperabilnostni okviri e-uprave 10. Participativni pristop k vpeljavi IT v javni upravi 11. E-participacija in e-vodenje 12. Odprta uprava in odprt podatki	1. Definitions, historical context of introducing IT in public administration, e-government 2. E-government stage models 3. E-government national strategies 4. Effects of IT and evaluating e-government 5. International frameworks for evaluating e-government 6. Digital divide 7. Managerial approach to introducing IT in public administration 8. One-stop-shop portals 9. E-government interoperability frameworks 10. Participative approach to introducing IT in public administration 11. E-participation and e-governance 12. Open government and open data

Temeljna literatura in viri/Readings:

- Veit, D., Huntgeburth, J. (2014) *Foundations of Digital Government: Leading and Managing in the Digital Era*. Springer, Berlin. *Izbrana poglavja*, cca. 200 str.
- Lee, J. (2010) 10 year retrospect on stage models of e-government: a qualitative meta-synthesis. *Government Information Quarterly* 27: 220-230.
- Rabaiah, A., Vandijck, E. (2009) A strategic framework of e-government: generic and best practice. *Electronic Journal of e-Government* 7(3): 241-258.
- Heeks, R. (2006) Understanding and Measuring eGovernment: International Benchmarking Studies. *UNDESA workshop, E-Participation and E-Government: Understanding the Present and Creating the Future*. Budimpešta, Madžarska. *Izbrani deli*, cca. 30 str.
- Tinholt, D. in ost. (2014) Delivering the European Advantage? How European governments can and should benefit from innovative public services. Poročilo Evropske Unije. DOI: 10.2759/4919. *Izbrana poglavja*, cca. 80 str.
- Mugellini, E., Pettenati, M.C., Khaled, O.A., Pirri, F. (2005) eGovernment Service Marketplace: Architecture and Implementation. *E-Government: Towards Electronic Democracy*, Springer: 193-204.

Cilji in kompetence:

Cilji – študent zna:

- brati in razumeti zahtevno strokovno in znanstveno literaturo s področja e-uprave v angleškem jeziku
- uporabiti metodologijo vsebinske analize na korpusu aktualnih znanstvenih člankov in strokovnih besedil s področja e-uprave
- izbrati in uporabljeni metodologije za vrednotenje e-uprave
- identificirati in uporabiti ustrezne pristope k strateškemu načrtovanju in uvajanju e-uprave (e-storitev), e-participacije in odprte uprave (odprtih podatkov)
- identificirati dimenzije digitalne ločnice in zasnovati ukrepe za njeno zmanjšanje

Kompetence

- zmožnost primerjalne analize in kritičnega vrednotenja stanja e-uprave na izbranem (geografskem ali organizacijskem) področju v Sloveniji in tujini
- zmožnost prepoznavanja priložnosti za uvedbo in uporabo storitev e-uprave in odprtih podatkov ter sodelovanja pri razvoju ustreznih ukrepov in rešitev
- zmožnost sodelovanja strateškega načrtovanja razvoja e-uprave, e-participacije in odprte uprave

Objectives and competences:

Goals – student:

- reads and understands complex professional and scientific e-government literature in English language
- knows how to use content analysis methodology on the current corpus of scientific and professional articles in the field of e-government
- selects and applies methodologies for the evaluation of e-government
- identifies and applies appropriate approaches to strategic planning and implementation of e-government services (e-services), e-participation and open government (open data)
- identifies the dimensions of the digital divide and designs measures for its reduction

Competencies

- the ability of a comparative analysis and critical assessment of the state of e-government in the chosen (geographical or organizational) field in Slovenia and abroad
- the ability to identify opportunities for the introduction and use of e-government services and open data, together with the ability of participation in the development of appropriate measures and solutions
- the ability to participate in strategic planning of e-government development, e-participation and open government

Predvideni študijski rezultati:

Študent

- pozna, razume in lahko uporablja različne pristope in fazne modele za uvajanje e-uprave, e-participacije in odprte uprave
- pozna, razume in lahko tvori ustrezno strukturo in vsebino strateških dokumentov s področja e-uprave
- pozna, razume in lahko uporablja metodologije za vrednotenje e-uprave

Intended learning outcomes:

Student:

- knows, understands and can use a variety of approaches and models for the deployment of e-government, e-participation and open government
- knows, understands and is able to form a proper structure and content of the strategic documents in the field of e-government
- knows, understands and is able to apply the methodologies for e-government evaluation

<ul style="list-style-type: none"> zna analizirati in načrtovati ukrepe za odpravljanje digitalne ločnice in uvajanje interoperabilnosti med informacijskimi sistemmi v upravi zna analizirati načrte informacijskih rešitev za uvajanje in izkoriščanje e-storitev ter odprtih podatkov v upravi 	<ul style="list-style-type: none"> is able to analyze and plan actions to eliminate the digital divide and deployment of interoperability between information systems in administration is able to analyze plans of IT solutions for the deployment and use of e-services and open data in public administration
---	--

Metode poučevanja in učenja:

1. priprava na predavanja
2. predavanje
3. priprava na seminar
4. seminar
5. konzultacije
6. seminarska naloga

Learning and teaching methods:

1. preparations for lectures
2. lecture
3. preparations for seminars
4. seminars
5. study consultation
6. seminar paper

Načini ocenjevanja:

Načini ocenjevanja:	Delež/Weight	Assessment:
1. pisni in/ali ustni izpit	55,00 %	1. written (and/or oral) exam
2. sprotne naloge in aktivno sodelovanje na predavanjih in seminarjih	45,00 %	2. Assignments and active participation in lectures and seminars

Reference nosilca/Lecturer's references:

- ZHANG, Rui, HRISTOVSKI, Dimitar, SCHUTTE, Dalton, KASTRIN, Andrej, FISZMAN, Marcelo, KILICOGLU, Halil. Drug repurposing for COVID-19 via knowledge graph completion. *Journal of biomedical informatics*, ISSN 1532-0480. 2021, vol. 115, str. 1-15, ilustr. doi: 10.1016/j.jbi.2021.103696.
- KASTRIN, Andrej, HRISTOVSKI, Dimitar. Scientometric analysis and knowledge mapping of literature-based discovery (1986-2020). *Scientometrics*, ISSN 0138-9130, 2021, vol. 126, str. 1415-1451. doi: 10.1007/s11192-020-03811-z.
- KASTRIN, Andrej, HRISTOVSKI, Dimitar. Disentangling the evolution of MEDLINE bibliographic database : a complex network perspective. *Journal of biomedical informatics*, ISSN 1532-0464. 2019, vol. 89, str. 101-113, ilustr. doi: 10.1016/j.jbi.2018.11.014.
- HRISTOVSKI, Dimitar, KASTRIN, Andrej, DINEVSKI, Dejan, BURGUN, Anita, ŽIBERNA, Lovro, RINDFLESCH, Thomas C. Using literature-based discovery to explain adverse drug effects. *Journal of medical systems*, ISSN 1573-689X, Aug. 2016, vol. 40, iss. 8, 1-5 str. doi: 10.1007/s10916-016-0544-z.
- KASTRIN, Andrej, RINDFLESCH, Thomas C., HRISTOVSKI, Dimitar. Link prediction on a network of co-occurring MeSH terms : towards literature-based discovery. *Methods of information in medicine*, ISSN 0026-1270, AUG. 2016, vol. 55, iss. 4, str. 340-346, doi: 10.3414/ME15-01-0108.
- HRISTOVSKI, Dimitar, DINEVSKI, Dejan, KASTRIN, Andrej, RINDFLESCH, Thomas C. Biomedical question answering using semantic relations. *BMC bioinformatics*, ISSN 1471-2105, 2015, vol. 16, no. 6, 14 str., doi: 10.1186/s12859-014-0365-3.
- Jukić, T., Vintar M., Benčina, J. (2013). Ex-ante evaluation : towards an assessment model of its impact on the success of e-government projects. *Information polity*, let. 18, št. 4, str. 343-361.
- Kunstelj, M., Jukić, T., Vintar, M. (2009). How to fully exploit the results of e-government user surveys : the case of Slovenia. *International Review of Administrative Sciences*, let. 75, št. 1, str. 117-149.