

# E-UPRAVA

## UČNI NAČRT PREDMETA/COURSE SYLLABUS

|                           |              |
|---------------------------|--------------|
| <b>Predmet:</b>           | E-uprava     |
| <b>Course title:</b>      | E-Government |
| <b>Članica nosilka/UL</b> | UL FU        |
| <b>Member:</b>            |              |

| Študijski programi in stopnja                  | Študijska smer                  | Letnik    | Semestri  | Izbirnost |
|--|---------------------------------|-----------|-----------|-----------|
| Management v upravi, druga stopnja, magistrski | Ni členitve (študijski program) | 1. letnik | Celoletni | obvezen   |

|  |         |
|--|---------|
| <b>Univerzitetna koda predmeta/University course code:</b> | 0060800 |
| <b>Koda učne enote na članici/UL Member course code:</b>   | 568     |

| Predavanja<br>/Lectures | Seminar<br>/Seminar | Vaje<br>/Tutorials | Klinične vaje<br>/Clinical<br>tutorials | Druge oblike<br>študija<br>/Other forms<br>of study | Samostojno<br>delo<br>/Individual<br>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:       | Angleščina, Slovenščina |

**Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:** Ni.

**Prerequisites:** No prerequisites.

### Vsebina:

### Content (Syllabus outline):

|   |  |
|---|--|
| <ol style="list-style-type: none"><li>1. Zgodovinski kontekst nastanka e-uprave</li><li>2. Definicije in fazni modeli e-uprave</li><li>3. Nacionalne strategije e-uprave</li><li>4. Vrednotenje e-uprave</li><li>5. Okviri za vrednotenje e-uprave</li><li>6. Digitalna ločnica</li><li>7. Pristopi k ponujanju storitev e-uprave</li><li>8. Vse na enem mestu in življenjske situacije</li><li>9. Formalni okviri za vzpostavitev portalov vse na enem mestu</li><li>10. E-upravljanje in zaupanje v institucije</li><li>11. E-participacija</li><li>12. Odprta uprava</li></ol> | <ol style="list-style-type: none"><li>1. Historical context of the e-gov emergence</li><li>2. Definitions and e-gov phase models</li><li>3. National e-government strategies</li><li>4. Evaluating e-government: central aspects</li><li>5. E-government evaluation frameworks</li><li>6. Digital divide</li><li>7. Approaches to providing e-gov services</li><li>8. One stop shop and life events</li><li>9. Formal frameworks for establishing one-stop-shop portals</li><li>10. E-governance and trust in institutions</li><li>11. E-participation</li><li>12. Open government</li></ol> |
|---|--|

### 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. 100 str.
- Vintar, M., Grad, J. (2004). E-uprava: Izbrane razvojne perspektive. Fakulteta za upravo, 2004. Izbrana poglavja, cca. 50 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 in 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.
- 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.
- Mugellini E, Pettenati MC, Khaled OA, Pirri F (2005) eGovernment Service Marketplace: Architecture and Implementation. E-Government: Towards Electronic Democracy (pp. 193 –204). Springer, Berlin.

### Cilji in kompetence:

#### Cilji:

- Študent razume koncept e-uprave in ga uspešno analizira skozi tehnološke, normativne, organizacijske in procesne dimenzije.
- Študent je seznanjen z glavnimi značilnostmi pričakovanih sprememb ter novimi metodami managementa, ki vključujejo e-upravo in bodo zagotovile boljše nudenje storitev državljanom in gospodarstvu, ob polnem sodelovanju vseh subjektov in vseh ravni.
- Študent je seznanjen z raziskovalnim inštrumentarijem, za proučevanje fenomena e-uprave ter glavnimi raziskovalnimi projekti, ki so v teku v okviru EU.
- Študenti je usposobljen za samostojno uporabo znanja pri reševanju najzahtevnejših problemov v upravi ter razvijanje novega znanja na obravnavanem področju. Sposobni so povezovati pridobljeno znanje z drugimi tematskimi področji, ga posredovati naprej in uporabljati pri samostojnem raziskovanju.

#### Kompetence:

- Usposobljenost za povezovanje in uporabo pridobljenih interdisciplinarnih znanj s področja e-uprave pri nadaljnjem razvoju in modernizaciji upravnega poslovanja
- Usposobljenost za učinkovitejšo uporabo e-uprave in IKT kot temeljne osnove za delovanje uprave in njenega uspešnejšega vključevanja v upravno poslovanje
- Usposobljenost za identifikacijo problemov, kritično analizo, sintezo in oblikovanje predlogov boljših rešitev e-uprave

### Objectives and competences:

#### Objectives:

- Student understands the concept of e-government and he is able to effectively analyse its technological, regulatory, organizational and procedural dimensions.
- Student is acquainted with the main features of expected changes and new methods of management, including e-government, which will ensure better service delivery to citizens and business, with the full participation of all subjects and all levels.
- Student is familiar with the research tools used for the study of e-government phenomenon and major research projects that are ongoing within the EU.
- Student is trained for the independent application of knowledge in solving the most complex problems in administration and development of the new knowledge in the field. He is able to combine this knowledge with other thematic areas, pass it on and use it within the individual research.

#### Competences:

- Ability to integrate and use acquired interdisciplinary knowledge in the field of e-government with the aim of further public sector development and modernization
- Ability for effective usage of e-government and ICT as a fundamental platform of public administration process and its successful integration in administration business
- Ability to identify problems, provide critical analysis, synthesis and formulation of proposals for better e-government solutions

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Usposobljenost za identifikacijo in vrednotenje različnih dejavnikov uspeha potrebnih za uspešno implementacijo koncepta e-uprave in kasnejših sprememb oz. učinkov e-uprave na različne organizacijske vidike</li> </ul> | <ul style="list-style-type: none"> <li>• Ability to identify and evaluate various success factors necessary for the effective implementation of the e-government concept and subsequent changes or impacts of e-government on the different organizational aspects.</li> </ul> |
|--|--|

|   |  |
|---|--|
| <p><b>Predvideni študijski rezultati:</b></p> <ul style="list-style-type: none"> <li>• Študent je sposoben samostojnega in kompleksnega študija, zna povezovati svoje znanje in razumevanje in pridobljeno znanje posredovati drugim. Sposoben je znanstveno obdelati določeno vprašanje oz. problem in je usposobljen za nadaljevanje samostojnega študija in strokovnega izpopolnjevanja.</li> <li>• Študent zna uporabljati pridobljeno znanje v svojem delovnem okolju oz. praksi. Študent je usposobljen za uporabo novih konceptov, metod, orodij in veščin na področju delovanja uprave na vseh ravneh.</li> <li>• Tako teoretično kot tudi praktično znanje, ki ga študent pridobi preko projektnega dela omogoča kritično analizo in refleksijo.</li> <li>• Pridobljeno znanje omogoča lastno razumevanje teorije in uporabnost znanja v praksi ter kritično vrednotenje obstoječega stanja in pomanjkljivosti.</li> </ul> | <p><b>Intended learning outcomes:</b></p> <ul style="list-style-type: none"> <li>• Student is capable of individual work and complex study, he is able to integrate his knowledge and understanding, and pass the acquired knowledge to others. He is able to perform the scientific processing of the specific question or problem and is qualified to pursue independent study and professional training.</li> <li>• Student is capable of using the acquired knowledge in his working environment or practice. The student is qualified for application of new concepts, methods, tools and skills in the field of administration at all levels.</li> <li>• Both theoretical and practical knowledge acquired by the student through the project work enables critical analysis and reflection.</li> <li>• Acquired knowledge enables understanding of the theory and application of knowledge in practice as well as critical evaluation of the current situation and deficiencies.</li> </ul> |
|---|--|

|  |  |
|--|--|
| <p><b>Metode poučevanja in učenja:</b></p> <ul style="list-style-type: none"> <li>• Predavanja, v okviru katerih je poudarek na primerjalni analizi teoretičnih izhodišč, strateških in razvojnih dejavnikov.</li> <li>• Seminarji, v okviru katerih je poudarek na poglobljenem študiju izbranih teoretičnih konceptov in primerov oz. področij.</li> <li>• Metoda predstavitve in diskusije, v okviru katere diplomanti izsledke svojih raziskav javno predstavijo in kritično ovrednotijo.</li> </ul> | <p><b>Learning and teaching methods:</b></p> <ul style="list-style-type: none"> <li>• Lectures, where the stress is on comparative analysis of theoretical origins, strategic and developmental factors.</li> <li>• Seminars, where the stress is on in-depth study of selected theoretical concepts and cases and fields.</li> <li>• Method of presentation and discussion, where graduates present and critically evaluate the results of their research in front the public.</li> </ul> |
|--|--|

| <b>Načini ocenjevanja:</b> | <b>Delež/Weight</b> | <b>Assessment:</b>       |
|----------------------------|---------------------|--------------------------|
| Ustni in/ali pisni izpit   | 55,00 %             | Written and/or oral exam |
| Seminarska naloga          | 45,00 %             | Seminar work             |

|  |
|--|
| <p><b>Reference nosilca/Lecturer's references:</b></p> <ul style="list-style-type: none"> <li>• ZHANG, Rui, HRISTOVSKI, Dimitar, SCHUTTE, Dalton, KASTRIN, Andrej, FISZMAN, Marcelo, KILICOGU, 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.</li> </ul> |
|--|

- 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.