UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	**Digitalizacija javne uprave**
Course title:	Digitalisation of Public Administration

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Javna uprava – 1. stopnje		2	3
Public administration – 1. degree		2	3

Vrsta predmeta / Course type:	Obvezni predmet
Koda predmeta /Course code:	Mandatory subject

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	Samost. delo Individual work	ECTS
40	0	20	0	0	115	7

Študijska obremenitev študenta – skupaj/Student workload – total:

Nosilec predmeta / Lecturer:	doc. dr. Peter Merc
Jeziki/Languages: Predavanja / Lectures:	slovenski / Slovenian
Vaje / Tutorial:	slovenski / Slovenian

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites:**
Poznavanje osnov delovanja javne uprave (pristojnosti, sestava, pravni okvir za delovanje) Vsaj 80% prisotnost na predavanjih.	Basic knowledge of public administration's operations (responsibilities, structure, legal framework for operations). At least 80% attendence at lectures.

Vsebina:	**Content (Syllabus outline):**
• Digitalna transformacija v teoriji in praksi,	• Digital transformation in theory and in practice,

• Izzivi za digitalizacijo javne uprave: obstoječi IT sistemi, zakonodaja, informacijska varnost, • Nove tehnologije (veliko podatkovje, umetna inteligenca, tehnologija veriženja podatkovnih blokov, internet stvari, oblak), • Digitalna identiteta kot osnova za e-storitve javne uprave, • Elektronske volitve (»e-volitve«), • Vzpostavljanje visokokakovostne širokopasovne infrastrukture 5. generacije (5G), globalni (konflikt interesov med ZDA in Kitajsko) in lokalni vidiki, • Digitalna orodja za e-storitve javne uprave, • Primeri dobre prakse: Estonija, Švedska, Velika Britanija, • Stanje digitalizacije in projekti v slovenski javni upravi, • Vpliv digitalne transformacije na zaposlene in delovne procese v javni upravi.	• Challenges for the digitalization of public administration: IT legacy systems, legislature, information security, • New technologies (big data, artificial intelligence, blockchain, internet of things, cloud), • Digital identity as a basis for e-services of public administration, • Electronic elections ("e-elections"), • Establishing the 5th generation (5G) of high quality broadband infrastructure, global (conflict of interest between USA and China) and local aspect, • Public administration's digital tools for e-services, • Use cases: Estonia, Sweden, Great Britain, • The state of digitalization and projects in the Slovenian public administration, • Impact of digital transformation on employees and working processes in the public sector.

Temeljna literatura in viri / Readings:

Obvezna / Compulsory:

Knjige in učbeniki /Books and textbooks

OECD: Digital Government toolkit. OECD, Pariz 2016.

OECD: Recommendation of the Council on Digital Government Strategies. OECD Publishing, Pariz 2014, <https://www.oecd.org/gov/digital-government/Recommendation-digital-government-strategies.pdf>.

Druga gradiva/other texts.

Revije / journals:

Joseph Tham: Critical Factors for Creating a Successful Digital Public Administration. DOI: 10.2139/ssrn.3296207. Na voljo na/available at <https://www.researchgate.net/publication/330031743_Critical_Factors_for_Creating_a_Successful_Digital_Public_Administration>.

Priporočena / recommended:
Knjige in učbeniki / Books and textbooks

European Journal of Law and Technology (EJLT), na voljo na/available at <http://ejlt.org/>.

International Journal of Public Administration in the Digital Age (IJPADA).

Aljaž Jadek, Peter Merc: Digitalizacija prava, pametne pogodbe v verigi podatkovnih blokov, v/in: Pravna praksa, leto 36, št. 36/37, Ljubljana 2017.

Andrej Grah Whatmough, Boštjan Koritnik: Umetna inteligenca v pravu, v/in: Matija Damjan: Pravo v informacijski družbi. IUS Software, Ljubljana 2014, str. 341–360; na voljo na/available at <https://www.dlib.si/stream/URN:NBN:SI:DOC-J09LAXO1/d0f76eca-8110-4e98-947f-cc2b94a1ebc8/PDF>.

Axon Partners Group, DotEcon Ltd.: Study on Implications of 5G Deployment on Future Business Models, The Body of European Regulators for Electronic Communications, Riga 2018

Bram Klievink in drugi/and others: Big data in the public sector, Uncertainties and readiness. Springerlink.com, Amsterdam 2017, na voljo na/available at <https://link.springer.com/content/pdf/10.1007/s10796-016-9686-2.pdf>

Matija Damjan (ur./ed.) in drugi/and others: Pravo v informacijski družbi. IUS Software, Ljubljana 2014; na voljo na/available at <https://www.dlib.si/stream/URN:NBN:SI:DOC-J09LAXO1/d0f76eca-8110-4e98-947f-cc2b94a1ebc8/PDF>.

Steve Cheng in drugi/and others: Using blockchain to improve data management in the public sector. Digital McKinsey, New York 2017, na voljo na/available at < https://www.fer.unizg.hr/_download/repository/Using-blockchain-to-improve-data-management-in-the-public-sector[1].pdf>

Tadeja Pirnat Battelli: Pravna analiza pogodbe o računalništvu v oblaku, v/in: Pravnik, Ljubljana 2015, let. 70 (132) št. 9-10; na voljo v okviru pravno-informacijskega sistema Tax-Fin-Lex/available within the Tax-Fin-Lex legal information service (<www.tax-fin-lex>).

Cilji in kompetence:

Študentje bodo razvili **splošne kompetence**:

- sposobnost za reševanje konkretnih strokovnih problemov z uporabo znanstvenih metod in postopkov;
- koherentno obvladovanje temeljnega znanja, pridobljenega predvsem pri obveznih predhodnih predmetih, ter povezovanje znanja z različnih področij in njegova uporaba v poslovnem okolju;
- razumevanje splošne zgradbe in vsebine prava novih tehnologij ter povezanosti med njenimi poddisciplinami, tudi v luči mednarodnih odnosi, mednarodnih ekonomskih odnosov, diplomacije ter poslovnih ved;
- razumevanje in uporaba kritične analize in razvoja teorij ter njihova uporaba pri reševanju konkretnih strokovnih problemov.

Študentje bodo razvili **predmetno-specifične kompetence**:

- razumevanje procesa digitalne transformacije,
- razumevanje in osnovno poznavanje najnovejših tehnologij in njihova uporaba pri nudenju storitev v javni upravi,
- sposobnost analize, sinteze in predvidevanja rešitev ter posledic digitalne transformacije v javnem sektorju,

Objectives and competences:

Students will develop the following **general competences**:

- a good command of research methods and procedures, and the ability of critical judgement in concrete business practice;
- the understanding of the basic aspects of previous lectures and interconnecting knowledge interdisciplinary with the emphasis on international business relations;
- the knowledge of social sciences with linkage to new technologies and also to international relations, international economic relations, diplomacy and business;
- the ability to observe and search for appropriate information regarding international business;
- susceptibility to new approaches and methods of solving problems in international business;
- the ability to design models and summarise solutions deriving from them.

Students will develop the following **subject-specific competences:**

- understanding the digital transformation process,
- understanding and basic knowledge about the newest technologies and their implementation when offering public administration services,
- the ability to analyse, synthesise and anticipate solutions and consequences of digital transformation in public sector,

• sposobnost uporabe znanj s področja tehnologije in delovanja javne uprave v praksi, • avtonomnost pri strokovnem delu in pri sprejemanju poslovnih odločitev, • sodelovalnost, delo v skupini ter strpno sprejemanje in upoštevanje tvornih kritik in pripomb.	• the ability to use knowledge from the technology's field and regarding the operations of public administration in practice, • the autonomy in making business decisions, • propensity to cooperation and teamwork, the ability to handle and take constructive criticism into consideration.

Predvideni študijski rezultati:

Znanje in razumevanje:

Intended learning outcomes:

Knowledge and understanding:

Študent bo: • spoznal teoretične in praktične vidike digitalne transformacije, • spoznal in razumel osnove glede najnovejših tehnologij skozi njihovo implementacijo v praksi, • razumel povezavo najnovejših tehnologij s posameznimi procesi (storitvami) v javni upravi, • razumel pomen digitalne identitete posameznikov, kot osnove za vse digitalne storitve javne uprave in širše, • razumel priložnosti in izzive (tehnološke, pravne), ki jih prinašajo elektronske volitve, • razumel pomembnost vzpostavljanja infrastrukture 5G omrežja globalno in lokalno, • spoznal digitalna orodja, ki se že uporabljajo ali se bodo uporabljala v javni upravi v razmerju do državljanov (npr. pogovorni roboti, e-notarske storitve, e-davki, itd.),	Students will: • get to know the theoretical and practical aspects of digital transformation, • get to know and understand basic aspects of the newest technologies through their implementation in practice, • understand interconnection between the newest technologies and specific processes (services) in public administration, • understand the importance of personal digital identity, as a basis for public e-services and wider use, • understand the opportunities and challenges (technological, legal) of e-elections, • understand the importance of establishing 5G infrastructure globally and locally, • get to know digital tools, which are already in use or will be in use in public administration (e.g. chatbots, e-notary, e-taxes, etc.),

- na primerih najbolj digitalno naprednih držav spoznal praktične vidike digitalizacije storitev javne uprave,
- poznal pretekle in tekoče projekte digitalizacije slovenske javne uprave,
- razumel, kako bo digitalizacija vplivala na trg dela v prihodnosti, kakšni profili in poklici bodo iskani znotraj javne uprave.

- get to know best use cases of digitalization of public administration services from most innovative countries,
- get to know past and existing projects related to digitalization in Slovenian public administration,
- understand how digitalization will impact the future labor market, which profiles and jobs will be needed within public administration.

Metode poučevanja in učenja:

Learning and teaching methods:

Oblike dela:

☒ Frontalna oblika poučevanja
☒ Delo v manjših skupinah oz. v dvojicah
☒ Samostojno delo študentov
☒ e-učenje
☐ drugo (vpišite)

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Metode (načini) dela:

☒ Razlaga
☒ Razgovor/ diskusija/debata
☐ Delo z besedilom
☒ Proučevanje primera
☐ Igra vlog
☐ Druge vrste nastopov študentov
☒ Reševanje nalog
☒ Študijski obiski podjetij ipd.)
☒ Vključevanje gostov iz prakse
☐ Udeležba na okrogli mizi, na konferenci

Types of learning/teaching:

☒ Frontal teaching
☒ Work in smaller groups or pair work
☒ Independent students work
☒ e-learning
☐ other _____

Teaching methods:

☒ Explanation
☒ Conversation/discussion/debate
☐ Work with texts
☒ Case studies
☐ Role-play
☐ Different presentation
☒ Solving exercises
☒ Field work (e.g. company visits)
☒ Inviting guests from companies
☐ Attending round table and conference

Načini ocenjevanja:

Assessment:

Način (pisni izpit, ustno izpraševanje, naloge, projekt)	Delež (v %) / Weight (in %)	Type (examination, oral, coursework, project)
Sprotno ustno (aktivno sodelovanje pri kontaktnih urah)		Oral verification and assessment of knowledge
Sprotno pisno preverjanje znanja (krajši pisni izdelki)		Written verification and assessment of knowledge (short written casework)
Daljši pisni izdelki (seminarska naloga, projektna naloga)	70	Longer written casework
Javni nastop ali predstavitev		Presentations
Končni ustni izpit		Final examination (oral)
Končni pisni izpit	30	Final examination (written)
Drugo (vpišite)		Other:

Reference nosilca / Lecture's references:

Peter Merc je docent za področje digitalizacije javne uprave. Po izobrazbi je pravnik z diplomo iz gospodarskega kazenskega prava ter z magisterijem in doktoratom s področja bančnega prava. Svojo kariero je začel v Novi Ljubljanski banki d.d., kjer je delal na področju zakladništva (kapitalski trgi) in na področju skladnosti poslovanja. Na tem področju je deloval tudi v Hypo Alpe Adria banki d.d. V letih 2019 in 2018 je opravljal funkcijo člana nadzornega sveta Abanke d.d. Leta 2016 je ustanovil svoje podjetje Lemur Legal, ki nudi pravne storitve zagonskim (startup) in tehnološkim podjetjem ter deluje znotraj industrije elektronskih športov (»*esports*«). Leta 2019 je ustanovil svoje drugo podjetje, Fintech Factory, ki nudi svetovalne storitve strankam iz industrije finančne tehnlogije (»*fintech*«). Leta 2017 je na pobudo Ministrstva za javno upravo ustanovil Blockchain Think Tank, neprofitno in neodvisno organizacijo, ki povezuje slovensko blockchain industrijo z regulatorji in z drugimi institucijami javnega sektorja. Leta 2019 je bil s strani Evropske komisije imenovan za zunanjega strokovjaka pri ocenjevanju prijav tehnoloških podjetij v okviru programa Horizont 2020. Je solastnik družbe Blocksquare in SporTechBiz, dveh tehnoloških startupov.

Bibliografija:
https://bib.cobiss.net/bibliographies/si/webBiblio/bib201_20200428_133208_a14027888 3.html

Peter Merc is assistant professor for digitalization of public administration. He holds a law degree from the field of criminal corporate law and masters and doctorate from the field of banking law. He started his career in Nova Ljubljanska banka d.d., where he worked in treasury (capital markets) and in compliance. He also work in the field of compliance in Hypo Alpe Adria bank d.d. In 2018 and in 2019 he acted as a members of the supervisory board in Abanka d.d. In 2016 he started his own company called Lemur Legal, which offers legal advisory services to startups and to tech companies. In 2019 Peter started his second company, Fintech Factory, which offers consulting services to various fintech companies. On the initiative from the Ministry for public administration Peter established Blockchain Think Tank in 2017. Think tank is non for profit and independent organization which serves as a bridge between Slovenian blockchain industry and competent regulators and other bodies of public sector. In 2019 he was appointed by the European Commission as an external expert for the evaluation of grant applications for deep tech projects within Horizon 2020. Peter Merc is currently also co-owner of Blocksquare and SporTechBiz, two tech startups.

Bibliography:
https://bib.cobiss.net/bibliographies/si/webBiblio/bib201_20200428_133208_a140278883.html