

METODE IN TEHNIKE ZA PODPORO ODLOČANJA V UPRAVI

UČNI NAČRT PREDMETA/COURSE SYLLABUS

Predmet:	METODE IN TEHNIKE ZA PODPORO ODLOČANJA V UPRAVI
Course title:	METHODS AND TECHNIQUES FOR DECISION SUPPORT IN ADMINISTRATION
Članica nosilka/UL Member:	UL FU

Študijski programi in stopnja (ni študijev)	Študijska smer	Letnik	Semestri	Izbirnost
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Univerzitetna koda predmeta/University course code:	0045542
Koda učne enote na članici/UL Member course code:	0866

Predavanja /Lectures	Seminar /Seminar	Vaje /Tutorials	Klinične vaje /Clinical tutorials	Druge oblike študija /Other forms of study	Samostojno delo /Individual student work	ECTS
45	0	30	0	0	105	6

Nosilec predmeta/Lecturer:	Dalibor Stanimirović
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Vrsta predmeta/Course type:	obvezni/core
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Jeziki/Languages:	Predavanja/Lectures:	Slovenščina
	Vaje/Tutorial:	Slovenščina

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisites:
Ni pogojev.	No prerequisites.

Vsebina:

1. Uvod v teorijo odločanja
2. Komponente in procesi odločanja
3. Strukturiranje ciljev in odločitev
4. Enostavne metode in tehnike za podporo odločanja
5. Obravnava negotovosti in tveganja pri odločanju
6. Večkriterijsko oziroma večciljno odločanje
7. Skupinsko odločanje
8. Sistemi za podporo odločanja
9. Primeri uporabe sistemov za odločanje v upravi
10. Praktična uporaba odločitvenih sistemov

Content (Syllabus outline):

1. Introduction to decision theory
2. Components and processes of decision making
3. Structuring aims and decisions
4. Simple decision-support methods and techniques
5. Addressing uncertainty and risk in decision making
6. Multi-criteria (multi-aims) decision making
7. Group decision making
8. Decision-support systems (DSS)
9. Examples of DSS deployment in administration
10. Practical use of DSS

Temeljna literatura in viri/Readings:

1. Bohanec, M. (2012). Odločanje in modeli. DMFA založništvo, Ljubljana. Izbrana poglavja (1–18).
2. Bonczek, R. H., Holsapple, C. W., & Whinston, A. B. (2014). Foundations of decision support systems. Academic Press.

3. Levy, K., Chasalow, K. E., & Riley, S. (2021). Algorithms and decision-making in the public sector. *Annual Review of Law and Social Science*, 17(1), 309-334.
4. Roehl, U. B. (2022). Understanding automated decision-making in the public sector: a classification of automated, administrative decision-making. In *Service Automation in the Public Sector: Concepts, Empirical Examples and Challenges* (pp. 35-63). Cham: Springer International Publishing.
5. Sahoo, S. K., & Goswami, S. S. (2023). A comprehensive review of multiple criteria decision-making (MCDM) methods: advancements, applications, and future directions. *Decision Making Advances*, 1(1), 25-48.
6. Alhosan, S., & Alsalloum, O. (2025). Enhancing Public Sector Decision-Making through Artificial Intelligence Models: A Comparative Study. *Journal of Health Informatics in Developing Countries*, 19(02).

Cilji in kompetence:	Objectives and competences:
Cilji – študent: - razume in uporablja temeljne teoretične koncepte, pojme, metode in tehnike na področju podpore odločanja - kritično opazuje in analizira enostanve in zahtevne odločitvene procese v upravi - načrtuje, simulira in analizira zahtevne odločitvene modele za konkretne probleme odločanja v upravni praksi Kompetence: - sposobnost načrtovanja, razvoja in uporabe zapletenih večparametrskih modelov za podporo odločanju z obravnavo negotovosti in tveganja - sposobnost identificiranja, formuliranja in reševanja podločitvenih problemov v praksi.	Objectives – student: - understands and able to use fundamental theoretical concepts, terms, methods and techniques for decision support - critically observes and analyzes simple and complex decision processes in administration - designs, simulates and analyzes complex decision models for specific problems of decision making in the administration Competences: - ability to design, implement and deploy complex multi-criteria decision models addressing uncertainty and risk - ability to identify, formulate and solve decision problems in practice.

Predvideni študijski rezultati:	Intended learning outcomes:
- Poznavanje in razumevanje temeljnih pojmov s področja teorije in podpore odločanja - Poznavanja in razumevanje procesov analize in reševanja odločitvenih problemov - Poznavanje praktičnih aspektov razvoja in uporabe odločitvenih sistemov in modelov	- Knowledge and understanding of the fundamental concepts in the areas of decision theory and decision support - Knowledge and understanding of the processes of analysis and solving decision problems - Practical skills of design and deployment of decision systems and models

Metode poučevanja in učenja:	Learning and teaching methods:
- Predavanja - Vaje v računalniški učilnici - Domače in/ali seminarske naloge - E-učenje z namenom omogočiti študentom sprotno (samo)preverjanje znanja	- Lectures - Exams in a computer lab - Homework and/or seminar paper - E-learning that allows students to continuously self-evaluate their knowledge

Načini ocenjevanja:	Delež/Weight	Assessment:
1. Pisni ali ustni izpit	60,00 %	1. Written or oral exam
2. Domače in/ali seminarske naloge	40,00 %	2. Homework and/or seminar paper

Ocenjevalna lestvica:	Grading system:
5 - 10, pri čemer velja, da je pozitivna ocena od 6 - 10	5 - 10, a student passes the exam if he is graded from 6 to 10

Reference nosilca/Lecturer's references:

1. Stanimirović, D., & Vintar, M. Conceptualization of an integrated indicator model for the evaluation of e-government policies. *Electronic journal of e-government*. dec. 2013, vol. 11, no. 1, str. 293-307. ISSN 1479-439X. <http://www.ejeg.com/issue/download.html?idArticle=266>. [COBISS.SI-ID 4252846]
2. Stanimirović, D., & Matetić, V. Can the COVID-19 pandemic boost the global adoption and usage of eHealth solutions?. *Journal of global health*. 2020, vol. 10, no. 2, str. 1-5. ISSN 2047-2986. http://www.jogh.org/documents/issue202002/jogh-10-0203101_AU.pdf, DOI: 10.7189/jogh.10.0203101. [COBISS.SI-ID 37822211]
3. Stanimirović, D., & Pribaković Brinovec, R. Management of health care workforce: conceptualizing a structural model of human resource planning in health care in Slovenia. *Management*. 2023, vol. 27, št. 2, str. 29-42, ilustr. ISSN 1846-3363. <https://hrcak.srce.hr/clanak/437108>. [COBISS.SI-ID 154128131]
4. Stanimirović, T., & Stanimirović, D. The performance of Slovenian hospitals: the development of sustainable business model. *Danube*. Dec 2021, vol. 12, iss. 4, str. 256-272, ilustr. ISSN 1804-8285. <https://sciendo.com/article/10.2478/danb-2021-0017>, DOI: 10.2478/danb-2021-0017. [COBISS.SI-ID 94355971]
5. Kotnik, Ž., & Stanimirović, D. A content analysis of public policy design and implementation in Slovenia: weighing strategic and normative factors. *Transylvanian review of administrative sciences*. 2021, no. 64, str. 70-88, tabele. ISSN 1842-2845. <https://rtsa.ro/tras/index.php/tras/article/view/673/663>, DOI: 10.24193/tras.64E.4. [COBISS.SI-ID 83499523]