

METODE VREDNOTENJA ZA PODPORO ODLOČANJU

UČNI NAČRT PREDMETA/COURSE SYLLABUS

Predmet:	METODE VREDNOTENJA ZA PODPORO ODLOČANJU
Course title:	EVALUATION METHODS FOR DECISION-MAKING SUPPORT
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:	0070570
Koda učne enote na članici/UL Member course code:	1635

Predavanja /Lectures	Seminar /Seminar	Vaje /Tutorials	Klinične vaje /Clinical tutorials	Druge oblike študija /Other forms of study	Samostojno delo /Individual student work	ECTS
20				90	70	6

Nosilec predmeta/Lecturer: Dalibor Stanimirović

Vrsta predmeta/Course type: Izbirni/Elective

Jeziki/Languages:

Predavanja/Lectures:	Angleščina, Slovenščina
Vaje/Tutorial:	

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

Prerequisites:

Vsebina:

1. Uvod v odločanje in vrednotenje
2. Odločitveni proces
3. Strukturiranje ciljev in odločitev
4. Negotovost in tveganje pri odločanju
5. Osnovne metode in tehnike vrednotenja
6. Osnovne večparametrške metode vrednotenja
7. Kvalitativne hierarhične večparametrške metode vrednotenja
8. Kvantitativne hierarhične večparametrške metode vrednotenja
9. Orodja za podporo hierarhičnim večparametrskim metodam vrednotenja
10. Značilnosti in osnovne metode skupinskega odločanja
11. Hierarhični večparametrski modeli pri skupinskem odločanju

Content (Syllabus outline):

1. Introduction to decision-making and evaluation
2. Decision-making process
3. Structuring objectives and decisions
4. Uncertainty and risk in decision-making
5. Basic evaluation methods
6. Multi-attribute methods
7. Qualitative hierarchical multi-attribute methods
8. Systems and tools supporting hierarchical multi-attribute evaluation methods
9. Quantitative hierarchical multi-attribute methods
10. Characteristics of and basic methods for group decision-making
11. Hierarchical multi-attribute models in group decision-making

Temeljna literatura in viri/Readings:

1. Bohanec, M. (2012). Odločanje in modeli. DMFA založništvo, Ljubljana. Izbrana poglavja (1–18).
2. 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.
3. 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.
4. 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.
5. Taherdoost, H., & Madanchian, M. (2023). Multi-criteria decision making (MCDM) methods and concepts. *Encyclopedia*, 3(1), 77-87.
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:**Cilji**

- študenti razumejo pomen vrednotenja v procesu odločanja
- študenti praktično uporabijo različne večparametrške metode vrednotenja
- študente usposobimo za razvoj hierarhičnih večparametrskih modelov vrednotenja
- študenti praktično uporabijo različne metode skupinskega odločanja
- študenti praktično uporabijo različna orodja za podporo vrednotenja in odločanja

Kompetence

- študent je sposoben zaznati, podrobno opredeliti in strukturirati odločitveni problem
- študent je sposoben razviti problemu ustrezen večparametrski model in izpeljati ustrezno vrednotenje
- študent je zmožen aktivnega sodelovanja v odločitvenem procesu

Objectives and competences:**Objectives**

- Students understand the role of evaluation in decision-making process
- Students apply various multi-attribute evaluation methods
- Students are trained to develop hierarchical multi-attribute evaluation models
- Students apply various methods for group decision-making
- Students use various systems and tools for evaluation and decision-making support

Competences

- Student is able to identify, fully define an structure decision problem
- Student is able to develop a multi-attribute model and implement corresponding evaluation for a particular problem
- Student is able to actively participate in decision-making process

Predvideni študijski rezultati:**Znanje in razumevanje:**

- študent zna pojasniti pomen vrednotenja v odločitvenem procesu
- študent zna podrobno opredeliti in strukturirati konkreten odločitveni problem
- študent zna uporabiti različne metode vrednotenja za podporo odločanju
- študent zna razviti ustrezen večparametrski model vrednotenja za konkreten odločitveni problem
- študent zna izbrati in uporabiti primerna orodja za vrednotenje pri konkretnemu odločitvenem problemu

Intended learning outcomes:**Knowledge and understanding:**

- Student is able to explain the role of evaluation in decision-making process
- Student is able to fully define and structure a particular decision problem
- Student is able to use various evaluation methods for decision-making support
- Student is able to develop multi-attribute evaluation model suitable for particular decision problem
- Student is able to choose and use evaluation tool appropriate for particular decision problem

Metode poučevanja in učenja:

1. priprava študenta na predavanje
2. predavanje v računalniški učilnici
3. e-učenje

Learning and teaching methods:

1. student preparations for lectures
2. lecture (in computer lab)
3. e-learning

4. študija primera	4. case study
5. sprotno delo	5. regular assignments

Načini ocenjevanja:	Delež/Weight	Assessment:
1. pisni in/ali ustni izpit	60,00 %	1. written and/or oral exam
2. sprotne naloge in/ali seminarska naloga s predstavitvijo	40,00 %	2. regular assignments and/or seminar paper with presentation

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. A critical insight into the evaluation of e-government policies: reflections on the concept of public interest. International journal on advances in life sciences. 2013, vol 5, no. 1/2, str. 52-65. ISSN 1942-2660. http://www.iariajournals.org/life_sciences/lifsci_v5_n12_2013_paged.pdf. [COBISS.SI-ID 4151982] 2. Stanimirović, D., Jukić, T., Nograšek, J., & Vintar, M. Analysis of the methodologies for evaluation of e-government policies. V: SCHOLL, Hans Jochen (ur.). Electronic government : proceedings. Heidelberg [etc.]: Springer, cop. 2012. Str. 234-245, ilustr. Lecture notes in computer science, 7443. ISBN 978-3-642-33488-7, ISBN 978-3-642-33489-4. ISSN 0302-9743. [COBISS.SI-ID 3985326] 3. 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] 4. 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] 5. Stanimirović, D. Failures and fallacies of eHealth initiatives: are we finally able to overcome the underlying theoretical and practical orthodoxies?. Digital health. 15 May 2024, vol. 10, 7 str. ISSN 2055-2076. https://journals.sagepub.com/doi/10.1177/20552076241254019, DOI: 10.1177/20552076241254019. [COBISS.SI-ID 195990275]
