2026/2027

Univerza v Mariboru

Medicinska fakulteta

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	**Na dokazih podprta medicina – zdravstvena ekonomika, varnost bolnika, kakovost v zdravstvu**
Course title:	**Evidence-based medicine – health-care economics, patient safety, quality in health care**

Študijski program in stopnja **Study programme and level**	**Študijska smer** **Study field**	**Letnik** **Academic year**	**Semester** **Semester**
ENOVIT MAGISTRSKI ŠTUDIJSKI PROGRAM SPLOŠNA MEDICINA	Splošna medicina	6	11

Vrsta predmeta / Course type

Univerzitetna koda predmeta / University course code:

Predavanja **Lectures**	**Seminar** **Seminar**	**Vaje** **Tutorial**	**Klinične vaje** **work**	**Druge oblike študija**	**Samost. delo** **Individ. work**	**ECTS**
10	35	0	/	/	45	3

Nosilec predmeta / Lecturer:	doc. dr. Eva Turk
Sonosilci predmeta / Lecturer:	red. prof. dr. Uroš Maver

Jeziki / Languages:	**Predavanja / Lectures:**	slovenski	slovene
	Vaje / Tutorial:	slovenski	slovene

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

Obveznosti študentov: seminarska naloga

Prerequisits:

Student's commitments: seminar paper

Vsebina:

Predavanja:

- Zdravstvena ekonomika
- Izboljševanje kakovosti
- Varnost bolnika
- Vrednotenje zdravstvenih tehnologij
- Organizacija zdravstvenih sistemov

Seminarji:

Zdravstvena ekonomika

- Različne teme

Kakovost v medicini in klinični praksi

- Različne teme

Varnost bolnika

- Različne teme

Vrednotenje zdravstvenih tehnologij

- Različne teme

Content (Syllabus outline):

Lectures:

- Healthcare economics
- Quality improvement
- Patient safety
- Health technology assessment
- Healthcare system organization

Seminars:

Healthcare economics

- Different topics

Quality in medicine and clinical practice:

- Different topics

Patient safety

- Different topics

Health technology assessment

- Different topics

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Temeljni literatura in viri / Readings:

- Guyatt G, Rennie D, Meade MO, Cook DJ: User's Guides to the Medical Literature – A manual for evidence-based clinical practice, 3rd edition. JAMAevidence, McGraw Hill Education, 2015 (ali novejša izdaja).
- Higgins JPT, Thomas J, Chandler J, Cumpston M, Li T, Page MJ, Welch VA (editors). *Cochrane Handbook for Systematic Reviews of Interventions*. 2nd Edition. Chichester (UK): John Wiley & Sons, 2019.

Dodatna literatura

- Cochrane Collaboration: http://www.cochrane.org
- Higgins JPT, Thomas J, Chandler J, Cumpston M, Li T, Page MJ, Welch VA (editors). *Cochrane Handbook for Systematic Reviews of Interventions* version 6.3 (updated February 2022). Cochrane, 2022. Available from www.training.cochrane.org/handbook.
- Hamer, Susan, and Gill Collinson. Achieving evidence-based practice: A handbook for practitioners. Elsevier Health Sciences, 2014.
- Drummond, Michael F., Mark J. Sculpher, Karl Claxton, Greg L. Stoddart, and George W. Torrance. Methods for the economic evaluation of health care programmes, 4th edition. Oxford University Press, 2015.
- Eddy, David. "Health technology assessment and evidence-based medicine: what are we talking about?." value in health 12 (2009): S6-S7.
- Rupel-Prevolnik V, Simčič B, Turk E. Dictionary of Terminology in the Health Care System. Ljubljana: Ministrstvo za zdravje Republike Slovenije; 2014. (Slovenian)
- Ozcan, Y.A. Health care benchmarking and performance evaluation: an assessment using data envelopment analysis (DEA). New York: Springer, 2008.
- McIntosh, E. et al. Applied methods of cost-benefit analysis in health care. Oxford [etc.]: Oxford University Press, 2011.
- Gray, A. Applied methods of cost-effectiveness analysis in health care. Oxford [etc.]: Oxford University Press, 2011.

Cilji in kompetence:

- spoznati delovanje in trende v zdravstveni ekonomiki
- pridobiti osnovno znanje metod ekonomskega vrednotenja in raziskovanja izidov na področju zdravstva
- pridobiti pregledno znanje v povezavi s kakovostjo v zdravstvenih sistemih
- načrtovanje in izvedba vrednotenja zdravstvenih tehnologij (HTA)
- pridobiti pregled dosedanjih spoznanj zagotavljanja varnosti bolnikov

Objectives and competences:

- learn about trends in health economics
- obtain basic knowledge about methods of economic evaluation and Outcomes research in healthcare
- obtain basic knowledge quality improvement in healthcare
- systematic planning of Health Technology Assessment (HTA)
- obtain basic knowledge about patient safety and its evaluation methods

Predvideni študijski rezultati:

Znanje in razumevanje:

- spoznati delovanje in trende v zdravstveni ekonomiki
- pridobiti pregledno znanje in razumevanje metod ekonomske evalvacije in raziskav terapijskih Izidov
- pridobiti osnove načrtovanja in izvedbe vrednotenja zdravstvenih tehnologij

Intended learning outcomes:

The students gain fundamental knowledge on:

- understanding trends in health economics
- obtain basic knowledge about methods of economic evaluation and outcomes research
- obtain basic knowledge on systematic planning and conducting of Health Technology Assessment (HTA)
- obtain basic knowledge and understanding of quality improvement in healthcare

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• pridobiti pregledno znanje v povezavi s kakovostjo v zdravstvenih sistemih • pridobiti pregled dosedanjih spoznanja zagotavljanja varnosti bolnikov **Prenesljive/ključne spretnosti in drugi atributi:** - praktična raba z dokazi podprte medicine - priprava in uporaba vrednotenja zdravstvenih tehnologij - načrtovanje raziskav na področju varnosti bolnika - opredeliti in diferencirati različne vidike kakovosti v zdravstvu in zdravstvenih sistemih	• obtain basic knowledge and understanding about patient safety **Transferable/Key Skills and other attributes:** - practical use of evidence based medicine - applied use of HTA - planning of studies in the field of Patient Safety - Identifying and differentiating various aspects of quality in healthcare and health systems

Metode poučevanja in učenja:	**Learning and teaching methods:**
Predavanja, seminarji.	Classroom lectures, seminars.

Načini ocenjevanja:	Delež (v %) / Weight (in %)	**Assessment:**
Način (pisni izpit, ustno izpraševanje, naloge, projekt): - pisni izpit.	**100**	**Type (examination, oral, coursework, project):** - written exam.

Reference nosilca / Lecturer's references:

ČLANKI

EVA TURK:

1. HAN, Emeline, TAN, Melisa Mei Jin, **TURK, Eva,** SRIDHAR, Devi, LEUNG, Gabriel M, SHIBUYA, Kenji, ASGARI, Nima, OH, Juhwan, GARCÍA-BASTEIRO, Alberto L, HANEFELD, Johanna, et al. Lessons learnt from easing COVID-19 restrictions : an analysis of countries and regions in Asia Pacific and Europe. *The Lancet*. [Online ed.]. 2020, vol. 396, iss. 10261, str. 1525-1534. ISSN 1474-
2. **TURK, Eva**, DURRANCE-BAGALE, Anna, HAN, Emeline, BELL, Sadie, RAJAN, Selina, LOTA, Maria Margarita M, OCHU, Chinwe, LAZO PORRAS, Maria, MISHRA, Pallavi, FRUMENCE, Gasto, MCKEE, Martin, LEGIDO-QUIGLEY, Helena. International experiences with co-production and people centredness offer lessons for covid-19 responses. *BMJ*. 2021, vol. 372, str. 1-4. ISSN 1756-1833.
3. **TURK, Eva**, WONTOR, Viola, VERA-MUÑOZ, Cecilia, COMNES, Lucia, RODRIGUES, Natercia, FERRARI, Giovanna, MOEN, Anne. Human-centered integrated care pathways for co-creating a digital, user-centric health information solution. *Journal of integrated care*. 2022, vol. 30, no. 4, str. 296-309, ilustr. ISSN 2042-8685
4. HALDANE, Victoria, JUNG, Anne-Sophie, FOO, Chuan De, SHRESTHA, Pami, URDANETA, Elena, **TURK, Eva,** GAVIRIA, Juan I, BOADAS, Jesus, BUSE, Kent, MIRANDA, J Jaime, et al. Integrating HIV and substance misuse services: a person-centred approach grounded in human rights. *The Lancet. Psychiatry*. Aug. 2022, vol. 9, no. 8, str. 676-688. ISSN 2215-0374
5. BATTELINO, Ula Magdalena, **TURK, Eva**. Vpliv pandemije covida-19 na vključevanje telemedicine v zdravstveni sistem: dejavniki, ki so to omogočili in kako lahko telemedicina koristi zdravstvu tudi po koncu pandemije = How did COVID – 19 help implement telemedicine in health care: what were the factors that made it possible and how can we use telemedicine to our advantage after the pandemic is over. *Zdravniški vestnik : glasilo Slovenskega zdravniškega društva*. [Spletna izd.]. 2022, letn. 91, št. 11-12, str. 525-533. ISSN 1581-0224.

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6. PREVOLNIK RUPEL, Valentina, DIVJAK, Marko, **TURK, Eva**. Changes in the level of knowledge of diabetes among elderly with diabetes in Slovenia in the period 2011-2020. *Primary care diabetes*. [in press] 2021, 5 str., tabela, graf. prikazi. ISSN 1751-9918.
7. **TURK, Eva,** MIČETIĆ-TURK, Dušanka, ŠIKIĆ POGAČAR, Maja, TAPAJNER, Alojz, VLAISAVLJEVIĆ, Veljko, PREVOLNIK RUPEL, Valentina. Health related QoL in celiac disease patients in Slovenia. *Health and quality of life outcomes*. 2020, vol. 18, art. no. 356, 6 str., tabele. ISSN 1477-7525.

UROŠ MAVER:

1. ZIDARIČ, Tanja, MAJER, David, MAVER, Tina, FINŠGAR, Matjaž, **MAVER, Uroš**. The development of an electropolymerized, molecularly imprinted polymer (MIP) sensor for insulin determination using single-drop analysis. *Analyst*. [Online ed.]. First published 24 Jan 2023, 14 str.
2. MASTNAK, Tinkara, **MAVER, Uroš**, FINŠGAR, Matjaž. Addressing the needs of the rapidly aging society through the development of multifunctional bioactive coatings for orthopedic applications. *International journal of molecular sciences*. 2022, vol. 23, no. 5, 35 str.
3. MADORRAN, Eneko, STOŽER, Andraž, BEVC, Sebastjan, **MAVER, Uroš**. In vitro toxicity model : Upgrades to bridge the gap between preclinical and clinical research. *Bosnian journal of basic medical sciences*. 2020, vol. 20, no. 2, str. 157-168.
4. ROŽANC, Jan, **MAVER, Uroš**. Methods for analyzing the biological and biomedical properties of biomaterials. V: MOHAN, Tamilselvan (ur.), STANA-KLEINSCHEK, Karin (ur.). *Functional biomaterials : design and development for biotechnology, pharmacology, and biomedicine*. Weinheim: Wiley-VCH, cop. 2023. Str. 165-197.