

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

|                      |  |
|----------------------|--|
| <b>Predmet:</b>      | <b>KVALITATIVNE IN KVANTITATIVNE METODE RAZISKOVANJA</b> |
| <b>Course title:</b> | <b>QUALITATIVE AND QUANTITATIVE RESEARCH METHODS</b>     |

| Študijski program in stopnja<br>Study programme and level        | Študijska smer<br>Study field | Letnik<br>Academic year | Semester<br>Semester |
|--|-------------------------------|-------------------------|----------------------|
| Paliativna oskrba, 2. Stopnja<br>magistrski študijski program    | /                             | 1.                      | 1                    |
| Palliative care, 2 <sup>nd</sup> Cycle<br>master study programme | /                             | 1.                      | 1                    |

**Vrsta predmeta / Course type** Obvezni predmet/Compulsory subject

**Univerzitetna koda predmeta / University course code:** OP-MAG\_PO-1/5

| Predavanja<br>Lectures | Seminar<br>Seminar | Vaje<br>Tutorial | Klinične vaje<br>work | Druge oblike<br>študija | Samost. delo<br>Individ.<br>work | ECTS |
|------------------------|--------------------|------------------|-----------------------|-------------------------|----------------------------------|------|
| 50                     | 20                 | /                | /                     | /                       | 130                              | 8    |

**Nosilec predmeta / Lecturer:** prof. dr. Kristina Mikkonen / Prof. Dr. Kristina Mikkonen  
izr. prof. dr. Bojana Filej / Assoc. Prof. Dr. Bojana Filej  
prof. dr. Kristijan Breznik / Prof. Dr. Kristijan Breznik

**Jeziki / Languages:**

|                               |   |
|-------------------------------|---|
| <b>Predavanja / Lectures:</b> | Slovenski jezik / Slovene language<br>Angleški jezik / English language |
| <b>Vaje / Tutorial:</b>       | Slovenski jezik / Slovene language                                      |

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

- Študent mora obvladati strokovno področje raziskovanja.
- Potrebno je znanje angleškega jezika.
- Osnove informatike in statistike na prvi stopnji študija.

**Prerequisites:**

- The student must be an expert of the theory and practice in the field.
- The knowledge of the English language is necessary.
- Basic knowledge of informatics and statistics at the 1<sup>st</sup> level.

**Vsebina:**

**Content (Syllabus outline):**

- Vrste raziskav in področja raziskovanja na temo paliativne oskrbe.
- Razlike med kvantitativno (pozitivistična) in kvalitativno (konstruktivistična) paradigma.
- Zgodovinski razvoj in posebnosti kvalitativnega raziskovanja v primerjavi s kvantitativnim.
- Faze načrtovanja in izvedbe raziskave.
- Raziskovalno vprašanje, raziskovalni cilj in testiranje hipotez
- Raziskovalni načrti kvantitativnega in kvalitativnega raziskovanja.
- Izbira primernega merskega instrumenta glede na vrsto raziskave.
- Izbira primernega raziskovalnega vzorca in metode vzorčenja v zdravstvenih vedah.
- Pregled statističnih porazdelitev.
- Etika raziskovalnega dela.
- Urejanje kvantitativnih podatkov in statistične spremenljivke.
- Metode opisne statistike.
- Računalniški programi za kvantitativno analizo podatkov (Excel, R, SPSS, STATA).
- Računalniški programi za kvalitativno analizo podatkov (NVivo, Atlas.ti).
- Pregled metod statističnih analiz podatkov v zdravstvenih vedah.
- Pregled metod kvalitativnih analiz podatkov v zdravstvenih vedah.
- Prikazovanje podatkov.
- Razprava in zaključevanje ugotovitev.
- Ocenjevanje kakovosti raziskovanja: veljavnost, zanesljivost.

- Types and fields of research in nursing.
- Types of research in palliative care.
- Differentiation between quantitative (positivistic) and qualitative (constructivistic) research paradigms.
- Historical development and specific characteristics of qualitative research versus quantitative research.
- Steps for planning and conducting a research.
- Research question, research objective, and testing hypotheses
- Quantitative and Qualitative research designs.
- Selection of an appropriate measurement tool in respect of research methodology.
- Selection of a suitable research sample and sampling methods health sciences.
- Overview of statistical distributions.
- Ethics of research work.
- Quantitative data editing and statistical variables.
- Methods of descriptive statistics.
- Computer programs for quantitative data processing (Excel, R, SPSS, STATA)
- Computer programs for qualitative data processing (NVivo, Atlas.ti).
- Review of methods for statistical analyses in health sciences.
- Review of methods for qualitative analyses in health sciences.
- Data visualization.
- Discussion and making research conclusions.
- Assessing quality of research: validity, reliability.

#### Temeljni literatura in viri / Readings:

- Lawrence, W. L., 2014. *Social Research Methods (Seventh Edition)*. Boston, USA: Allyn & Bacon.
- Silverman, D., 2004. *Qualitative Research. Theory, Method and Practice*. London: Sage.
- Adam, F., Hlebec, V., Kavčič, M., Lamut, U., Mrzel, M., Podmenik, D., Poplas Susič, T., Rotar Pavlič, D., & Švab, I., 2012. *Kvalitativno raziskovanje v interdisciplinarni perspektivi*. Ljubljana: Inštitut za razvojne in strateške analize.
- Kumar, R. 2005. *Research methodology: a step-by-step guide for beginners*. London: Sage.

#### Dodatna literatura:

- Znanstveni članki raziskav v slovenskem in angleškem jeziku.
- Priročnik za statistično in kvalitativno analizo podatkov s programski orodji.
- Sagadin, J., 2001. *Pregledno o kvalitativnem empiričnem pedagoškem raziskovanju*. Sodobna pedagogika.
- Vogrinc, J., 2008. *Kvalitativno raziskovanje na pedagoškem področju*. Ljubljana: Pedagoška fakulteta.
- Diez, D. M., Barr, C. D., Cetinkaya-Rundel, M. 2012. *OpenIntro Statistics. Second Edition*. Available at <http://www.openintro.org/stat/textbook.php>.

### **Cilji in kompetence:**

Cilj študijskega predmeta je usposobiti študenta za raziskovanje v raziskovalni skupini in samostojno.

Predvidene kompetence, ki jih bo študent pridobil pri predmetu so:

- Usposobljenost za kritično vrednotenje in analizo znanstvene literature v znanosti s področja paliativne oskrbe.
- Znati dileme, ki se zastavljajo v zdravstveni negi in z njo povezanimi znanostmi, oblikovati v raziskovalno vprašanje ali hipotezo, poiskati primerne metode in postaviti ustrezen načrt raziskovanja.
- Usposobljenost za zbiranje podatkov, njihovo analizo ter kako z rezultati odgovoriti na zastavljena raziskovalna vprašanja/ cilje/ namene.
- Znanje in spretnosti pri delu s kvantitativnimi in kvalitativnimi podatki in informacijami.
- Uporaba metodoloških znanj v praksi paliativne oskrbe.
- Usposobljenost za reševanje etičnih dilem pri raziskovalnem delu.

### **Objectives and competences:**

The aim of the study course is to train students to explore research in a group and individually.

Planned competencies of student that will be earned in the course are:

- Ability for critical analysis and evaluation of the Scientific literature in the field of palliative care.
- Ability to formulate a research questions or hypothesis based on the relevant issues in healthcare and related sciences; to find an appropriate methods of research and to establish an appropriate research design.
- Ability to collect the data, analysing the data, and how with research results to answer to research questions/objectives/ purposes.
- Knowledge and skills of working with quantitative and qualitative data and information.
- Ability to implement methodological knowledge in to palliative care field.
- Ability to resolve an ethical dilemmas in research work.

### **Predvideni študijski rezultati/učni izidi:**

### **Intended learning outcomes:**

**Znanje in razumevanje:**

- Pridobiti znanje in razumevanje uporabe kvantitativnih in kvalitativnih metod raziskovanja pri reševanju raziskovalnih vprašanj v paliativni oskrbi in z njo povezanimi znanostmi.
- Znati razlikovati različne vrste in metode raziskovanja v paliativni oskrbi ter jih aplicirati v svoje raziskovalno delo.
- Poznati in uporabljati programsko opremo, ki se lahko uporabi pri kvantitativnem in kvalitativnem raziskovanju.

**Knowledge and understanding:**

- Acquire knowledge and understanding of the use of quantitative and qualitative research methods in solving the research issues in the palliative care and related sciences.
- Knows the differences of research in palliative care in respect of research types and research methodologies; and how to applied them in students' own research work.
- To be familiar with and to apply a software programs, that could serve for quantitative and qualitative research.

**Metode poučevanja in učenja:**

- Visokošolska predavanja, ki temeljijo na raziskovanju, vodena diskusija in razprava.
- Seminar; izdelava krajšega pisnega projekta oz. seminarske naloge.

**Learning and teaching methods:**

- Higher education lectures, research-based, guided discussion.
- Seminar; making a short written project or seminar work.

| <b>Načini ocenjevanja:</b>  | Delež (v %) /<br>Weight (in %) | <b>Assessment:</b>   |
|---|--------------------------------|--|
| <ul style="list-style-type: none"> <li>• Ustni izpit</li> <li>• Seminarska naloga</li> </ul> <p>Opravljen seminarska naloga je pogoj za pristop k ustnemu izpitu.</p> | <p>50 %</p> <p>50 %</p>        | <ul style="list-style-type: none"> <li>• The oral exam</li> <li>• Seminar work</li> </ul> <p>Successfully completed seminar work is a precondition for taking the oral exam.</p> |

**Reference nosilca / Lecturer's references:****prof. dr. Kristina Mikkonen / Prof. dr. Kristina Mikkonen**

- Immonen K., Oikarainen A., Tomietto M., Kääriäinen M., Tuomikoski A.M., Kaucic M.K., Filej B., Riklikiene O., Vizcaya-Moreno F.V., Perez-Cañaveras R.V., De Raeve Pl., **Mikkonen K.**, 2019. Assessment of nursing students' competence in clinical practice: a systematic review of reviews. International Journal of Nursing Studies. <https://doi.org/10.1016/j.ijnurstu.2019.103414>
- Oikarainen A., **Mikkonen K.**, Kenny A., Tomietto M., Tuomikoski A.M., Meriläinen M., Miettunen J., Kääriäinen M., 2019. Educational interventions designed to develop nurses' cultural competence: a systematic review. International Journal of Nursing Studies 98, 75-86. <https://doi.org/10.1016/j.ijnurstu.2019.06.005>
- **Mikkonen K.**, Koskinen M., Koskinen C., Koivula M., Koskimäki M., Lähteenmäki M.L., Mäki-Hakola H., Wallin O., Salminen L., Sormunen M., Saaranen T., Kuivila H.M., Kääriäinen M. 2019. Qualitative study of social and health care educators' perceptions of competence in education. Health and Social Care in the Community. DOI: 10.1111/hsc.12827
- **Mikkonen K.**, Tuomikoski A.M., Sjögren T., Koivula M., Koskimäki M., Lähteenmäki M.L., Mäki-Hakola H., Wallin O., Sormunen M., Saaranen T., Koskinen C., Koskinen M., Salminen L., Holopainen A., Kääriäinen M. 2019. Development and testing of an instrument (HeSoEduCo) for

health and social care educators' competence in professional education. *Nurse Education Today*.

<https://doi.org/10.1016/j.nedt.2019.104239>

- Korhonen H., Tuomikoski AM., Oikarainen A., Kääriäinen M., Elo S., Kyngäs H., **Mikkonen K.** 2019. Culturally and linguistically diverse healthcare students' experiences of clinical learning environment and supervision: a qualitative study. *Journal of Nurse Education in Practice*. Article in press. <https://doi.org/10.1016/j.nepr.2019.102637>
- Oikarainen A., **Mikkonen K.**, Tuomikoski A.M., Elo S., Pitkänen S., Ruotsalainen H., Kääriäinen M., 2018. Mentors' competence in mentoring culturally and linguistically diverse nursing students during clinical placement. *Journal of Advanced Nursing* 74(1), 148–159. doi:10.1111/jan.13388
- Pitkänen S., Kääriäinen M., Oikarainen A., Tuomikoski A., Elo S., Ruotsalainen H., Saarikoski M., Käsämänoja T., **Mikkonen K.**, 2018. Healthcare students' evaluation of the clinical learning environment and supervision – A cross-sectional study. *Nurse Education Today* 62, 143-149. <https://doi.org/10.1016/j.nedt.2018.01.005>

#### izr. prof. dr. Kristijan Breznik / Assoc. Prof. Dr. Kristijan Breznik

- DOBROWOLSKA, Beata, GUTYSZ-WOJNICKA, Aleksandra, OZGA, Dorota, BARKESTAD, Eva, BENBENISHTY, Julie, BREZNIK, Kristijan, FILEJ, Bojana, JAROŠOVÁ, Darja, KAUČIČ, Boris Miha, NYTRA, Ivana, SMRKE, Barbara, ZELENÍKOVÁ, Renáta, BLACKWOOD, Bronagh. European intensive care nurses' cultural competency : an international cross-sectional survey. *Intensive and critical care nursing*, ISSN 1532-4036, Oct. 2020, vol. 60, str. 1-8, doi: [10.1016/j.iccn.2020.102892](https://doi.org/10.1016/j.iccn.2020.102892). [COBISS.SI-ID [19515907](https://doi.org/10.1016/j.iccn.2020.102892)]
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- BREZNIK, Kristijan. *Analiza vsebine poslanstev javnih zdravstvenih zavodov : predavanje na Inštitutu za biostatistiko in medicinsko informatiko, Medicinska fakulteta, Ljubljana, 28. januar 2019*. [COBISS.SI-ID [40086789](https://doi.org/10.1016/j.iccn.2020.102892)]
- BREZNIK, Kristijan, KAUČIČ, Boris Miha, FILEJ, Bojana. Izobraževalne potrebe medicinskih sester v enotah intenzivne terapije za pridobitev medkulturnih kompetenc. V: FILEJ, Bojana (ur.), KAUČIČ, Boris Miha (ur.). *Medkulturna oskrba v zdravstvu : znanstvena monografija*. 1. izd. Celje: Visoka zdravstvena šola. 2019, str. 97-112. [COBISS.SI-ID [96796673](https://doi.org/10.1016/j.iccn.2020.102892)]
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