

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Kvalitativna in kvantitativna raziskovalna metodologija
Course title:	Qualitative and Quantitative Research Methodology

Študijski program in stopnja	Študijska smer	Letnik	Semester
Study programme and level	Study field	Academic year	Semester

Poslovna informatika, magistrski študijski program druge stopnje	-	Drugi	Tretji
The second cycle masters study programme Business Informatics	-	Second	Third

Vrsta predmeta / Course type

Obvezni/ Obligatory

Univerzitetna koda predmeta / University course code:

5-KV-MAG-KKRM-2021-12-14

Predavanja	Seminar	Vaje	Klinične vaje	Druge oblike študija	Samost. delo	ECTS
Lectures	Seminar	Tutorial	work		Individ. work	
40	/	40	/	/	160	8

Nosilec predmeta / Lecturer: Doc. dr. Victor Cepoi

Jeziki / Languages:	Predavanja / Lectures:	Slovenski / Angleški
	Vaje / Tutorial:	Slovenski / Angleški

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

Ni posebnih pogojev za vključitev v delo.

No special requirements.

Vsebina:

Teoretične in konceptualne perspektive kvantitativnega in kvalitativnega raziskovanja:

- koraki izvedbe raziskave,
- cilji raziskave,
- paradigmatični temelji,
- vrednote in etika v raziskovalnem procesu.

Potek kvantitativne in kvalitativne raziskave:

- problem,
- teorija,
- konceptualizacija,
- operacionalizacija,
- hipoteze in spremenljivke,
- raziskovalna vprašanja,
- vzročnost v okviru kvantitativne raziskave,
- viri podatkov (primarni in sekundarni),
- zbiranje podatkov,
- merjenje in merske lestvice,
- veljavnost in zanesljivost merjenja.

Metode in tehnike kvantitativnega in kvalitativnega raziskovanja:

- preverljivost, izvedljivost, časovna komponenta,
- kvalitativne: anketiranje, analiza primarnih in sekundarnih numeričnih podatkov - matematične in statistične metode,
- kvantitativne: intervjuji, fokusne skupine, analiza dokumentov, opazovanje, študija primera in druge metode analize kvalitativnih podatkov,
- triangulacija (kdaj in zakaj).

Analiza kvalitativnih in kvantitativnih podatkov in njihova interpretacija:

- tehnike za urejanje podatkov: kodiranje, opombe, označevanje, izbira, povzemanje,

Content (Syllabus outline):

Theoretical and conceptual perspectives of quantitative and qualitative research:

- steps of conducting the research,
- research objectives,
- paradigmatic foundation,
- values and ethics in the research process.

The structure of quantitative and qualitative research:

- problem,
- theory,
- conceptualization,
- operationalisation,
- hypotheses and variables,
- research questions,
- causality in the context of quantitative research,
- data sources (primary and secondary), data collection.

Methods and techniques of quantitative and qualitative research:

- qualitative: surveys, analysis of primary and secondary numerical data - mathematical and statistical methods,
- quantitative: interviews, focus groups, analysis of documents, observation, case study, and other methods of qualitative data analysis,
- triangulation (when and why).

Qualitative and quantitative data analysis and their interpretation:

- data editing techniques: coding, notes, tagging, selection, summarizing,
- data description, synthesis, analysis, evaluation, comparisons,

- opis podatkov, sinteza, analiza, evalvacija, primerjave,
- interpretacija: lastna perspektiva, distanciranje od lastnih virov podatkov, splošno razumevanje, razlike (različni pogledi), odstopanja (vrednosti, ki odstopajo),
- navezava na teorijo.

- interpretation: own perspective, distancing from own data sources, general understanding, differences (different views), deviations (values that deviate),
- link to the theory.

Temeljni literatura in viri / Readings:

- Steven J. Taylor, Robert Bogdan, Marjorie DeVault (2015): Introduction to Qualitative Research Methods: A Guidebook and Resource. New Jersey: John Wiley & Sons.
- Bryman, Allen (2012): Social Research Methods. 4th edition. Oxford and New York: Oxford University Press.
- Lamut, Urša in Macur, Mirna (2012): Metodologija družboslovnega raziskovanja: od zasnove do izvedbe. Ljubljana: Vega.
- Martin, William E. in Krista D. Bridgmon (2012): Quantitative and Statistical Research Methods: From Hypothesis to Results. John Wiley and Sons Ltd.
- Punch, Keith F. (2013): Introduction to Social Research: Quantitative and Qualitative Approaches. Sage Publications Ltd.

Cilji in kompetence:

Splošne kompetence:

- poznavanje pomena kakovosti in prizadevanje za kakovost strokovnega dela skozi avtonomnost, samoiniciativnost, (samo)kritičnost, (samo)refleksivnost in (samo)evalviranje;
- Sposobnost pridobivanja, selekcije, analize informacij in zmožnost njihove interpretacije za celovito reševanje problemov, izzivov in incidentov s področja kibernetike varnosti.

Predmetno-specifične kompetence:

- sposobnost priprave samostojnega raziskovalnega načrta v predempirični fazi, ki vključuje kritičen pregled izbrane literature, prepoznavanje raziskovalnega problema, teme ter postavitev raziskovalnega vprašanja; konceptualizacija raziskovalnega načrta, ki temelji na predhodnem poznavanju epistemoloških temeljev raziskovanja;
- sposobnost uporabe in pravilnega sklicevanja na ustrezne domače in mednarodne vire, zna uporabiti

Objectives and competences:

General competences:

- Knowledge of the importance of quality and striving for the quality of professional work through autonomy, self-initiative, as well as (self-)criticism, (self-)reflection and (self-)evaluation.
- The ability to obtain, select, analyze information, as well as to interpret them to comprehensively solve problems, challenges and incidents in the field of cyber security.

Subject-specific competences:

- Ability to prepare an independent research plan in pre-empirical phase involving critical review of selected literature, recognition research problem, topics and asking a research question; conceptualization of the research plan based on prior knowledge epistemological foundations of research;
- Ability to use and correctly refer to relevant domestic and international sources, be able to use electronic data sources and be able to provide critical analysis of relevant literature;

<p>elektronske vire podatkov in je sposoben zagotoviti kritično analizo relevantne literature;</p> <ul style="list-style-type: none"> • razumevanje strukture kvantitativne in kvalitativne raziskave: problem, teorija, konceptualizacija, operacionalizacija, hipoteze in spremenljivke, vzročnost v okviru kvantitativne raziskave, podatki in zbiranje podatkov, merjenje in merske lestvice, veljavnost in zanesljivost merjenja; • sposobnost izdelave in izvedbe kvantitativne raziskave (npr. ustvariti vzorec); • sposobnost izdelave in izvedbe kvalitativne raziskave (npr. voditi fokusno skupino); • sposobnost zavzeti samostojno stališče do ključnih etičnih vprašanj v raziskovalnem procesu ter kritično ovrednotiti družbeno odgovornost raziskovalca. 	<ul style="list-style-type: none"> • Understanding the structure of quantitative and qualitative research: problem, theory, conceptualization, operationalisation, hypotheses and variables, causality in the context of quantitative research data and data collection, measurement and measurement scale, validity and reliability of measurements; • The ability to construct and conduct a quantitative research (e.g. to create a sample); • The ability to construct and conduct a qualitative research (e.g. conduct a focus group); • Ability to take independent positions on key issues ethical issues in the research process and critically evaluate social responsibility researcher.
---	--

Predvideni študijski rezultati:

<p>Študent:</p> <ul style="list-style-type: none"> • v kontekstu raziskovalnega procesa in v povezavi z drugimi predmeti demonstrira znanje relevantnih vprašanj iz kvalitativne in kvantitativne raziskovalne metodologije; • je sposoben/a zavzeti stališče do ključnih etičnih vprašanj v raziskovalnem procesu in kritično ovrednotiti konkreten primer; • spozna in uporablja metode in tehnike kvantitativnega in kvalitativnega raziskovanja; • uporablja programsko opremo za kvantitativno in kvalitativno analizo; • je sposoben/a izvesti načrt kvantitativne in kvalitativne raziskave: raziskovalno vprašanje, hipoteze, vzorec, anketni vprašalnik in načrt obdelave; • kritično ovrednoti primernost določene raziskovalne metode za analizo konkretnega problema.

Intended learning outcomes:

<p>Student:</p> <ul style="list-style-type: none"> • in the context of the research process and in conjunction with other objects demonstrates knowledge of relevant issues of qualitative and quantitative research methodology; • is able to take a position on key ethical issues in the research process and can be critical in evaluating concrete examples; • learns and applies the methods and techniques of quantitative research; • uses the software for quantitative and qualitative analysis; • is able to plan and execute a quantitative and qualitative research, including research question, hypothesis, sample and questionnaire plan of research; • critically evaluates the appropriateness of certain research method for the analysis of a concrete problem.

Metode poučevanja in učenja:

- Predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov);
- Seminarske vaje (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, diskusija, sporočanje povratne informacije);
- Uporaba spletne učilnice oziroma drugih sodobnih IKT orodij;
- Individualne in skupinske konzultacije (diskusija, dodatna razlaga, obravnava specifičnih vprašanj).

Learning and teaching methods:

- Lectures with students' active participation (lecture, discussion, questions, examples, problem solving exercises);
- Tutorials with assignment (self-reflection, project work, team work, methods of critical thinking, discussion, feedback, practice);
- Use of online classroom or other contemporary ICT tools;
- Individual and group consultations (discussion, additional explanation, dealing with specific questions).

Delež (v %) /

Načini ocenjevanja:Weight (in %) **Assessment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt):		Type (examination, oral, coursework, project):
Raziskovalna seminarska naloga	100 %	Research seminar work

Reference nosilca / Lecturer's references:

- CEPOI, Victor. A meta-analysis and explanation of innovation processes through the outline of social fields theory. *Research in social change*, ISSN 1855-4202, Sep. 2020, vol. 12, iss. 3, str. 15-31.
- CEPOI, Victor. Interplay of social forces : a focus on regional innovation processes. *The social sciences*, ISSN 1993-6125. [Online ed.], 2019, vol. 14, iss. 12, str. 423-430, ilustr. <https://medwelljournals.com/abstract/?doi=sscience.2019.423.430>.
- KANTOR, Irina Ana, CEPOI, Victor. From neglect to crime : the role of media in the 2015 European migration crisis : a comparative study in three ECE countries : Romania, Hungary and Slovenia. V: BALICA, Ecaterina (ur.), MARINESCU, Valentina (ur.). *Migration and crime : realities and media representations*. Cham: Palgrave Macmillan. 2018, str. 139-166, tabela, doi: 10.1007/978-3-319-95813-2_7.
- CEPOI, Victor. Trust and participation in the information society : new and traditional information sources. V: RONČEVIĆ, Borut (ur.), TOMŠIČ, Matevž (ur.). *Information society and its manifestations : economy, politics, culture*. Frankfurt am Main [etc.]: PL Academic Research. cop. 2017, doi: 10.3726/b10694.
- EPOI, Victor. Does trust make people more civically moral? : an empirical study for the Romanian and Moldovan societies = Ali zaupanje naredi ljudi bolj moralne? : empirična študija na primeru romunske in moldavijske družbe. *Raziskave in razprave*, ISSN 1855-4148, 2016, vol. 9, no. 1/3, str. 264-307.