UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Raziskovalna metodologija
Course title:	Research Methods

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Informatika v sodobni družbi, visokošolski strokovni program prve stopnje	-	Prvi	Prvi
Informatics in Contemporary Society, first cycle Professional Study Programme	-	First	First

Vrsta predmeta / Course type	Obvezni / Obligatory

Univerzitetna koda predmeta / University course code:	1-ISD-VS-RM-2024-02-05

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	45	-	-	105	6

Nosilec predmeta / Lecturer:	red. prof. dr. Borut Rončević, izr. prof. dr. Tea Golob

Jeziki / Languages:	Predavanja / Lectures:	Slovenski, angleški / Slovene, English
	Vaje / Tutorial:	Slovenski, angleški / Slovene, English

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisits:
Študent/študentka mora pripraviti raziskovalni načrt, ki vključuje vse integralne dele raziskovalnega procesa. Raziskovalni načrt in prezentacija morata biti pripravljeni individualno.	The student has to prepare a research design containing all the integral elements of the research process. The research design should be conceived and presented individually by each student.

Vsebina:	**Content (Syllabus outline):**
• *Temeljna vprašanja raziskovanja*: teorija in empirija v raziskovalnem procesu, cilji raziskovalnega procesa, pojem vzročnosti.	• *Basic questions in research*: theory and practice in research process, goals of research process, the concept of causality.
• *Osnovni paradigmi raziskovanja*: pozitivizem in interpretativna paradigma; struktura znanstvene teorije.	• *Two paradigms in research*: positivist (quantitative) and interpretative (qualitative) paradigm, structure of scientific theory.
• *Izbor metode raziskovanja*: pregled kvalitativnih in kvantitativnih metod raziskovanja; primerjalne metode raziskovanja.	• *Selecting research method*: review of qualitative and quantitative research methods, comparative research methods.
• Osnovni pregled načina analize kvalitativnih in kvantitativnih podatkov	• Basis review of the qualitative and quantitative data analysis
• *Struktura raziskovalnega procesa:* izbor teme raziskovanja, postavitev relevantnih vprašanj in hipotez, zbiranje podatkov za raziskavo, vzorčenje, merjenje, analiza podatkov, izdelava poročila.	• *Structure of research process*: selection of research topic, formulation of relevant research questions and hypotheses, sampling, collecting data for research, analysing the data, writing a research report.
• *Družbena determiniranost raziskovanja*: vrednote, pristranost in problem objektivnosti, etika.	• *Social nature of research*: values, problem of being objective, bias, ethics.
• *Raziskovalni načrt:* vsebuje argumentacijo raziskovalnega problema in predstavitev ključnih pojmov, utemeljitev izbora paradigme raziskovanja, populacije in vzorca, metode raziskovanja.	• *Research design,* that includes all the mentioned elements. Through careful literature review and review of research on the selected field of research, students formulate relevant research questions and goals of social research. That is followed by selection of the research paradigm, research method, population, sample and research variables.

Temeljni literatura in viri / Readings:

• Wayne C. Booth et al. (2024): The Craft of Research, Fifth Edition (Chicago Guides to Writing, Editing, and Publishing) Fifth Edition. University of Chicago Press
• John W. Creswell & J. David Creswell (2018): Research Design: Qualitative, Quantitative, and Mixed Methods Approaches 5th Edition. SAGE Publications, Inc
• Urša Lamut & Mirna Macur, Mirna (2012): *Metodologija družboslovnega raziskovanja: od zasnove do izvedbe*. Založba Vega.
• Dodatna literatura s strani nosilca.

Cilji in kompetence:

Učna enota prispeva k razvoju naslednjih splošnih in predmetno-specifičnih kompetenc:

- poznavanje in razumevanje širokega nabora aplikacij informacijsko komunikacijske tehnologije v sodobni družbi
- sposobnost fleksibilne in aplikativne uporabe teoretičnega znanja
- usposobljenost za načrtovanje organizacijskih in informacijskih sprememb v organizaciji, ki so potrebne pri uvajanju informacijsko komunikacijske tehnologije ter kakovostni uporabi le-te
- poznavanje in razumevanje družbenih procesov ter sposobnost za njihovo analizo, sintezo in predvidevanje rešitev in njihovih posledic
- obvladanje raziskovalnih metod, postopkov in procesov
- razvoj (samo)kritične presoje
- poznavanje in razumevanje temeljnih družboslovnih disciplin in sicer s področja sociologije, politologije, komunikologije, ekonomije in menedžmenta, družboslovne informatike, družboslovne statistike in metodologije
- sposobnost za reševanje konkretnih družbenih in delovnih problemov z uporabo družboslovnih znanstvenih metod in postopkov
- sposobnost pridobivanja, selekcije, ocenjevanja in umeščanja novih informacij in zmožnost interpretacije v kontekstu družboslovja
- razumevanje in uporaba metod kritične analize in razvoja teorij ter njihova uporaba v reševanju konkretnih družbenih in delovnih problemov

Objectives and competences:

The instructional unit contributes to the development of the following general and subject-specific competences:

- knowledge and understanding of a wide range of applications of information communication technology in the modern society
- ability to flexibly apply knowledge in practice
- competence for planning of organisational and information changes in an institution, which are required in the introduction of information communication technology and a quality use thereof
- familiarity with and understanding of social processes and competence for their analysis, synthesis and prediction of solutions as well as consequences thereof
- knowledge and understanding of interactions between ICT and the modern society
- development of (self)critical judgement
- knowledge and understanding of basic social sciences, specifically, sociology, political science, communication science, economy and management, social informatics, law, social science statistics and methodology
- competence for solving actual social and work problems with the use of social scientific methods and procedures
- the ability to acquire, select, evaluate and place new information and ability to interpret in the context of social science
- understanding and use of methods of critical analysis and development of theories and their usage in solving specific social and work problems

Predvideni študijski rezultati:

Znanje in razumevanje:

Študent/študentka:
- v povezavi z drugimi predmeti pozna in razume relevantna poglavja iz filozofije znanosti in epistemologije
- v kontekstu raziskovalnega procesa in v povezavi z drugimi predmeti demonstrira znanje relevantnih vprašanj iz družboslovne teorije
- zavzame stališče do ključnih etičnih vprašanj v raziskovalnem procesu in kritično vrednoti konkreten primer
- pozna in uporablja osnovne metode in tehnike raziskovanja
- pripravi konceptualizacijo problema z raziskovalnim načrtom
- reflektira in kritično ovrednoti primernost določene raziskovalne metode za analizo konkretnega problema

Intended learning outcomes:

Knowledge and understanding:

The student:
- knows and understands relevant paragraphs from the philosophy of science and epistemology in connection with other subjects
- demonstates knowledge of relevant questions from the theory of social sciences in the context of research process and in connection with other subjects
- takes the stance towards key ethical questions in the research process and critically evaluates a concrete case
- knows and uses basic research methods and techniques
- provide conceptualisation of a problem with a research plan
- reflects and critically evaluates the relevance of a certain research methods 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)
- *eksperimentalne vaje*, ki temeljijo na izkušenjskem, sodelovalnem in problemskem učenju (samostojno učenje, diskusija, razlaga, opazovanje, timsko delo, študija primera, metode kritičnega branja in pisanja, igra vlog, sodelovalno učenje, portfolio, evalvacija, samoocenjevanje)
- individualne in skupinske *konzultacije* (diskusija, dodatna razlaga, obravnava specifičnih vprašanj)

Learning and teaching methods:

- *lectures* with active student participation (explanation, discussion, questions, examples problem solving)
- *seminars* (reflexion about experiences, project work, team work, method of critical thinking, discussion, feed-back)
- *experimental exercises* based on experience, cooperation, problem learning (individual study, discussion, explanation, observation, teamwork, case study, method of critical reading and writing, role play, portfolio, evaluation and self-evaluation)
- individual and group *consultations* (discussion, additional explanation, treatment of specific questions)

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt): • pripravljen raziskovalni načrt s predstavitvijo se ocenjuje kot projekt v celoti	100	Type (examination, oral, coursework, project): • the research research design and its presentation is assessed as a whole project

Reference nosilca / Lecturer's references:

- RONČEVIĆ, Borut, MAKAROVIČ, Matej, TOMŠIČ, Matevž, CEPOI, Victor. Methodological solutions for comparative research on transformations. V: VIHALEMM, Peeter (ur.), MASSO, Anu (ur.), OPERMANN, Signe (ur.). The Routledge International Handbook of European Social Transformations. Abingdon; New York: Routledge.
- MODIC, Dolores, RONČEVIĆ, Borut. Social topography for sustainable innovation policy : putting institutions, social networks and cognitive frames in their place. Comparative sociology, ISSN 1569-1322, 2018, vol. 17, iss. 1, str. 100-127, graf. prikazi, doi: 10.1163/15691330-12341452.
- RONČEVIĆ, Borut, FRIC, Urška. Researching industrial symbiosis : challenges and dilemmas. V: POVH, Janez (ur.). Applied modelling and computing in social science. Frankfurt am Main: PL Academic Research. cop. 2015, str. 35-49.
- MILEVA BOSHKOSKA, Biljana, RONČEVIĆ, Borut, DŽAJIĆ URŠIČ, Erika. Modeling and evaluation of the possibilities of forming a regional industrial symbiosis networks. Social sciences, ISSN 2076-0760, 2018, vol. 7, iss. 1. http://www.mdpi.com/2076-0760/7/1/13/pdf, doi: 10.3390/socsci7010013.

- GOLOB, Tea, MAKAROVIČ, Matej, REK, Mateja. Parents' meta-reflexivity benefits media education of children = La meta-reflexividad de los padres beneficia la educación mediática de los niños. Comunicar. Jul. 2023, vol. 31, no. 76, str. 95-103. DOI:10.3916/C76-2023-08.
- GOLOB, Tea, GORIŠEK, Maruša, MAKAROVIČ, Matej. Authoritarian and populist challenges to democracy correspond to a lack of economic, social, and cultural capitals. Societies. 2023, vol. 13, iss. 8, str. 1-12, ilustr. DOI: 10.3390/soc13080181.
- GOLOB, Tea, MAKAROVIČ, Matej, TOMŠIČ, Matevž. Effective and democratic governance as the condition of digital social innovations in Europe. Research in social change. 2022, vol. 14, iss. 1, str. 48-62
- GOLOB, Tea, MAKAROVIČ, Matej. Meta-reflexivity as a way toward responsible and sustainable behavior. Sustainability. 2022, vol. 14, iss. 9, str. 1-19, DOI: 10.3390/su14095192.