UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Magistrski raziskovalni seminar
Course title:	Thesis Seminar

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Računalništvo in spletne tehnologije, magistrski študijski program druge stopnje	-	Drugi	Četrti
Computer science and web technologies, second cycle Masters Study Programme	-	Second	Fourth

Vrsta predmeta / Course type	Obvezni / Obligatory

Univerzitetna koda predmeta / University course code:	2-RST-MAG-MRS-2019-03-05

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
15	-	30	-	-	135	6

Nosilec predmeta / Lecturer:

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:**
Pogoj za vključitev v delo je vpis v 2. letnik študija.	The prerequisite is enrolment into the second year of the study.

Vsebina:	**Content (Syllabus outline):**
Predmet predstavlja praktično predpripravo na izvedbo raziskovalne naloge za potrebe magistrske naloge. Pri predmetu študent(ka) izvede zapletenejšo raziskavo za rešitev kompleksnejšega teoretičnega ali empiričnega problema, skozi katero težimo k poglobitvi in kritičnemu ovrednotenju do sedaj pridobljenih teoretičnih in metodoloških znanj.	The course represents the practical preparations are to carry out research work for the needs of a thesis. In this course, the student survey conducted for the solution of complex theoretical or empirical problem, through which we strive to deepen and critical evaluation so far acquired theoretical and methodological skills.

Študentje na začetku predavanj v sodelovanju z mentorjem izberejo raziskovalni problem iz področja, ki jih strokovno najbolj zanima in izvedejo celovit manjši raziskovalni projekt oziroma ekspertizo, ki vključuje:	Students at the beginning of lectures in collaboration with mentors chosen research problem from the areas which are most interested in a professional and implement a comprehensive small-scale research project or expertise, which includes:

- oblikovanje raziskovalnih vprašanj in hipotez, konceptov in teorij,
- izbor raziskovalnih strategij,
- organizacijo in izvedbo, raziskovalnega projekta,
- interpretacijo kompleksnih rezultatov in prenos v prakso.

- developing research questions and hypotheses, concepts and theories,
- selection of research strategies,
- organization and implementation of research project,
- interpretation of complex results and transfer into practice.

Temeljni literatura in viri / Readings:

Susan Carter, Frances Kelly, Ian Brailsford (2012): *Structuring Your Research Thesis*, Palgrave MacMillan.

Blaxter, Loraine, Hughes, Christina, Tight, Malcolm (2009): *How to Research*, third edition, Open University Press & McGraw-Hill Education, Maidenhead & NY.

Piantanida, Maria, Garman, Noreen B. (2009): *The Qualitative Dissertation: a guide for students and faculty*, second edition, SAGE, London.

Martin Hewings (2006): *Academic Writing in Context: Implications and Applications*, Continuum, London.

Nagel, Ernest (1979): *The Structure of Science: Problems in the Logic of Scientific Explanation,* 2nd edition, Hackett Publishing Company, Inc., Cambridge (MA).

Popper, Karl (2002): The Logic of Scientific Discovery, Routlege Clasic.

Kuhn, Thomas (2012): The Structure of Scientific Revolutions, Chicago University Press, Chicago.

Cilji in kompetence:	**Objectives and competences:**
Učna enota prispeva k razvoju naslednjih splošnih in predmetno specifičnih kompetenc:	The instructional unit contributes to the development of the following general and subject-specific competences:

- uporaba metodoloških orodij – izvajanje, koordiniranje in organiziranje raziskav, uporaba raznih raziskovalnih metod in tehnik;
- sposobnost pridobivanja, selekcije, ocenjevanja in umeščanja novih informacij in zmožnost interpretacije;
- sposobnost sinteze izvirnih idej, konceptov in rešitev določenih problemov;

- use of methodological tools - implementation, coordination and organization of research, the use of different research methods and techniques;
- the ability to obtain, select, evaluate and place new information and the ability to interpret the research problem;

- poznavanje in razumevanje procesov raziskovanja in sposobnost njihove kompleksne analize; - razvoj veščin in spretnosti pri uporabi znanja za reševanje teoretičnih ali empiričnih raziskovalnih problemov; - uporaba in kombiniranje znanj iz različnih disciplinarnih področij; - sposobnost za reševanje konkretnih projektnih nalog z uporabo znanstvenih metod in postopkov.	- competence to form original ideas, concepts and solutions for specific problems from different disciplines; - familiarity with and understanding of processes of research and competence for their complex analysis; - the development of skills and abilities for the use of knowledge to solve theoretical or empirical research problems; - use and combination of knowledge for various disciplinary fields; - the ability to solve project tasks with the use of scientific methods and procedures.

Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: *Študent/študentka:* - zna oblikovati relevantno raziskovalno vprašanje na temelju predstavljenega kompleksnega problema - v bibliografskih bazah in bazah podatkov zna poiskati ključne koncepte in teorije, s katerimi pripravi konceptualni okvir raziskave oziroma ekspertize - iz analize zna izluščiti rešitev teoretičnega problema ali oblikovati predloge za reševanje kompleksnejših empiričnih problemov - izvede celoten raziskovalni postopek – od operacionalizacije in izbora raziskovalne metode do zbiranja, analize in interpretacije podatkov - je bil vključen v domači ali mednarodni raziskovalni projekt, ki se izvaja na fakulteti	Knowledge and understanding: The student will be able to: - formulate relevant research questions based on the present complex problem - search bibliographic databases to find the key concepts and theories to prepare the conceptual framework of research and expertise - know how to extract from the analysis of the theoretical problem to formulate proposals for solving complex empirical issues - carry out the entire research process - from operationalization and selection of research methods to the collection, analysis and interpretation of data - was involved in a national or international research project carried out at the faculty

Metode poučevanja in učenja:	**Learning and teaching methods:**
na začetku *kratka predavanja* z aktivno udeležbo študentov (diskusija, vprašanja, primeri, reševanje problemov)	starting with the lectures with active participation of students (discussion, questions, examples, problem solving)

- individualne in skupinske *konzultacije* (diskusija, dodatna razlaga, obravnava specifičnih vprašanj) *seminarske vaje* (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, diskusija, sporočanje povratne informacije, socialne igre); *raziskovalno delo* (z letnim programom je določena ena ali več raziskovalnih tem glede na usmeritev raziskovanja in tekoče raziskovalne projekte)	- individual and group consultations (discussion, additional explanation deals with specific issues) - tutorials (reflection on experiences, project work, team work, critical thinking, discussion, feedback, social games); - research (the annual program has defined one or more research themes in relation to the direction of research and ongoing research pjects)

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt):		Type (examination, oral, coursework, project):
- empirična seminarska naloga in njena predstavitev na vajah - sodelovanje v raziskovalnem projektu	80 % 20 %	- applied seminar work and final presentation at tutorials - colaboration in research project