UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	**Metodologija znanstvenega dela**
Course title:	**Methodology of Scientific Work**

Študijski program in stopnja **Study programme and level**	**Študijska smer** **Study field**	**Letnik** **Academic year**	**Semester** **Semester**
Pravo in management nepremičnin 3. stopnje		1	1
Law and Management of Real Estate 3rd Degree		1	1

Vrsta predmeta / Course type:	obvezni/mandatory
Koda predmeta /Course code:	

Predavanja **Lectures**	**Seminar** **Seminar**	**Vaje** **Tutorial**	**Druge oblike študija** **Other type study**	**Samost. delo** **Individual work**	**ECTS**
30	0	0	0	220	10

Nosilec predmeta / Lecturer:		prof. dr. Boštjan Kerbler / Prof. Boštjan Kerbler, PhD
Jeziki/Languages:	Predavanja / Lectures:	slovenski jezik/Slovenian
	Seminar / Seminar:	slovenski jezik/Slovenian

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

Zahteva se vsaj 80 % prisotnost na predavanjih in vajah.

Prerequisites:

At least 80% attendance at lectures and tutorials is required.

Vsebina:

Predmet je zasnovan celostno za potrebe znanstvenega raziskovalnega dela. Vsebuje štiri vsebinske sklope, to so: načrt raziskave, metode raziskave in izvedba raziskave, priprava znanstvenega dela, diseminacija rezultatov raziskave.

V prvem vsebinskem sklopu bo predstavljeno, kako oblikovati načrt raziskave. Načrt raziskave je bistven za raziskavo, saj je lahko le na podlagi ustreznega načrta izvedba raziskave kakovostna, rezultati pa relevantni in zanesljivi. Načrt raziskave bo podrobno predstavljen na podlagi priprave posameznih sestavin dispozicije doktorske disertacije in njihovih značilnosti. Poudarek bo na opredelitvi problema, oblikovanju hipotez oziroma raziskovalnih vprašanj ter namena in ciljev.

Drugemu delu po posvečena največ največja teža predavanj v okviru predmeta. V njem bo predstavljen pregled in opravljena bo razprava o posameznih metodah znanstvenega raziskovanja. Poudarek bo predvsem na metodah empiričnega raziskovanja (kvantitativno in kvalitativno raziskovanje), ki se v družboslovju uporabljajo za dokazovanje hipotez oziroma odgovarjanje na raziskovalna vprašanja. Predstavljeno bo tudi, kako na podlagi izbranih metod

Content (Syllabus outline):

The course is designed holistically for the needs of scientific research work. It contains four thematic sections, which are: research plan, research methods and research implementation, preparation of scientific work, dissemination of research results.

In the first thematic section, it will be presented how to design a research plan. The research plan is essential for the research, because only on the basis of an appropriate plan the research could be carried out with high quality, and the results could be relevant and reliable. The research plan will be presented in detail based on the preparation of the individual components of the disposition of the doctoral dissertation and their characteristics. The emphasis will be on defining the problem, formulating hypotheses or research questions, as well as purpose and goals.

Most attention will be paid to the second part of the lectures within the course. It this section an overview and discussion of individual methods of scientific research will be presented. Emphasis will be placed

izvesti empirično raziskavo ter na kakšne načine obdelati pridobljene rezultate. V tretjem delu bodo predstavljene posamezne sestavine znanstvenega dela, natančneje doktorske disertacije, njihove značilnosti ter potek priprave posameznih delov (uvod, jedro, zaključek). Poudarek bo na načinih iskanja literature po različnih svetovnih znanstvenih bazah, načinih citiranja literature ter predstavitvi in argumentiranju rezultatov raziskave. V četrtem delu bo predstavljeno, kako na podlagi raziskave napisati kakovosten znanstveni članek in ga objaviti v visokokakovostni znanstveni reviji (diseminacija rezultatov raziskave).	primarily on empirical research methods (quantitative and qualitative research), which are used in the social sciences to prove hypotheses or answer research questions. It will also be presented how to conduct empirical research based on the selected methods and how to process obtain results. In the third section, the individual components of the scientific work, specifically doctoral dissertations, their characteristics and the preparation process of individual parts (introduction, core/main part, conclusion) will be presented. Emphasis will be placed on ways of literature searching in various global scientific databases, ways of citing literature, and presentation and argumentation of research results. The fourth section will present how to write a high-quality scientific article based on research and how to publish it in a high-quality scientific journal (dissemination of research results).

Temeljna literatura in viri / Readings:

- Peter Jambrek (ur. / ed.) (2020): Metodologija znanstvenega raziskovanja. Nova Gorica, Nova univerza.
- Vizjak Pavšič, M. (2015): Metode raziskovanja v družbenih vedah. Ljubljana, Fakulteta za družbene vede.
- MacDonald, S., Headlam, N. (2009): Research methods handbook. Manchester, CLES.
- Bryman, A. (2012): Social research methods. Oxford, Oxford University Press.
- Bhattacherjee, A. (2012): Social science research: Principles, methods, and practices. Tampa, University of South Florida.
- Faigley, L., Hansen, K. (1985): Learning to write in the social sciences. College Composition and Communication, 36(2): 140–149.
- Cargill, M., O'Connor, P. (2013): Writing scientific research articles: Strategy and steps. Chichester, John Wiley & Sons.
- Groarke, L. A., Tindale, C. W. (2013): Good reasoning matters! A constructive approach to critical thinking. Don Mills, Oxford University Press.
- Dwyer, C. P. (2017): Critical thinking, conceptual perspective and practical guidelines. Cambridge, Cambridge University Press.
- Popper, K. (2007): The logic of scientific discovery. London, Routledge.

Cilji in kompetence:	**Objectives and competences:**
Študentje bodo razvili **splošne kompetence**: • razvoj sposobnosti kritične analize, sinteze in predvidevanja rešitev ter posledic na področju znanstvene metodologije in znanstvenega raziskovanja; • razvoj sposobnosti za samostojno obvladovanje raziskovalnih metod, postopkov in procesov; • razvoj sposobnosti za samostojno znanstveno kritično razmišljanja, pisanje in objavljanje znanstvenih in strokovnih del ter zagovarjanje rezultatov lastnega znanstvenega raziskovanja;	Students will develop the following **general competences**: • Developing the ability to critically analyze, synthesize and anticipate solutions and consequences in the field of scientific methodology and scientific research; • Developing the ability to independently master research methods, procedures and processes; • Developing the ability for independent and critical scientific thinking, writing and publishing scientific and professional works, and defending the results of one's own scientific research;

• razvoj sposobnosti za samostojno delo pri strokovnem in znanstvenem delu in sprejemanju odločitev; • razvoj komunikacijskih sposobnosti in spretnosti s poudarkom na komunikaciji v mednarodnem znanstvenem okolju; • poglobljeno razumevanje pomena zavezanost profesionalni etiki v znanstvenem okolju; • razvoj sposobnosti za strpno sprejemanje in upoštevanje tvornih kritik in pripomb.	• Developing the ability to work independently in professional and scientific work and in making decisions; • Developing communication abilities and skills with an emphasis on communication in an international scientific environment; • In-depth understanding of the importance of commitment to professional ethics in a scientific environment; • Developing the ability to tolerantly accept and consider constructive criticism and comments.
Študentje bodo razvili **predmetno-specifične kompetence**: • poglobljeno znanje za prepoznavanje metodoloških problemov in iskanje rešitev v zvezi z znanstvenim raziskovanjem; • poglobljeno znanje za reševanje konkretnih problemov z uporabo znanstvenih metod in postopkov; • poglobljeno znanje za uporabo znanstvenih argumentov pri dokazovanju znanstvenih hipotez; • poglobljeno razumevanje in uporaba kritične analize pri reševanju konkretnih problemov na znanstveno-metodološkem področju; • razvoj sposobnosti poglobljenega kritičnega znanstvenega razmišljanja; • razvoj sposobnosti izdelave poglobljenega raziskovalnega načrta, izbora ustreznih metod in izvedbe raziskave, priprave znanstvenega dela in diseminacije rezultatov; • razvoj sposobnosti za uporabo sodobne informacijsko-komunikacije tehnologije in informacijskih sistemov za potrebe znanstvenega raziskovanja.	Students will develop the following **course-specific competences:** • In-depth knowing for identifying methodological problems and finding solutions in connection with scientific research; • In-depth knowing for solving concrete problems using scientific methods and procedures; • In-depth knowing for using scientific arguments in proving scientific hypotheses; • In-depth understanding and applying of critical analysis in solving concrete problems in the scientific-methodological field; • Developing in-depth critical scientific thinking skills; • Developing the ability to create an in-depth research plan, to select appropriate methods and conduct research, to prepare scientific work and to disseminate results; • Developing the ability to use modern information and communication technologies and information systems for the needs of scientific research

Predvideni študijski rezultati: **Znanje in razumevanje:**	**Intended learning outcomes:** **Knowledge and understanding:**
Študent bo: • pridobitev sposobnosti za kritično prepoznavanje problemov in rešitev v okviru znanstvene metodologije; • pridobitev sposobnosti kritičnega razumevanje uporabe metod znanstvenega raziskovanja; • pridobiti sposobnosti za samostojno in kritično pripravo raziskovalnega načrta; • pridobiti sposobnosti za samostojno in kritično uporabo konkretnih metod in argumentov v lastnem znanstvenem delu; • pridobiti sposobnost za samostojno in kritično pripravo znanstvenih del; • pridobiti sposobnost za diseminacijo rezultatov znanstvenega raziskovanja.	**Students will:** • Acquiring abilities for critical identification of problems and solutions within the framework of scientific methodology; • Acquiring abilities for critical understanding of the use of scientific research methods; • Acquiring abilities to independently and critically prepare a research plan; • Acquiring abilities to independently and critically use concrete methods and arguments in one's own scientific work; • Acquiring abilities to independently and critically prepare scientific works; • Acquiring abilities to disseminate the results of scientific research.

Metode poučevanja in učenja:	Learning and teaching methods:
Oblike dela: ☒ Frontalna oblika poučevanja ☒ Delo v manjših skupinah oz. individualno ☒ Samostojno delo študentov ☒ študij s pomočjo IKT tehnologije ☐ drugo (vpišite) _____ **Metode (načini) dela:** ☒ Razlaga ☒ Razgovor/ diskusija/debata ☒ Delo z besedilom ☒ Proučevanje primerov raziskav ☒ Igra vlog ☒ Druge vrste nastopov študentov ☒ Reševanje nalog/vaje ☒ Študijski obiski podjetij ipd.) ☒ Vključevanje gostov iz prakse ☒ Udeležba na okrogli mizi, na konferenci	**Types of learning/teaching:** ☒ Frontal teaching ☒ Work in smaller groups or individual work ☒ Independent students work ☒ studies using ICT technology ☐ other _____ **Teaching methods:** ☒ Explanation ☒ Conversation/discussion/debate ☒ Work with texts ☒ Research case studies ☒ Role-play ☒ Different presentation ☒ Solving exercises/study exercises ☒ Field work (e.g. company visits) ☒ Inviting guests from companies ☒ Attending round table and conference

Načini ocenjevanja: Način (pisni izpit, ustno izpraševanje, naloge, projekt)	Teža (v %) / Weight (in %)	Assessment: Type (examination, oral, coursework, project)
Sprotno ustno (aktivno sodelovanje pri kontaktnih urah in pri raziskavah)		Oral verification and assessment of knowledge
Sprotno pisno preverjanje znanja (krajši pisni izdelki)		Written verification and assessment of knowledge (short written casework)
Daljši pisni izdelki (seminarska naloga, projektna naloga, raziskovalna poročila)	**100**	Longer written casework
Javni nastop in predstavitev lastnega raziskovalnega dela		Public presentation of one's research
Končni ustni izpit		Final examination (oral)
Končni pisni izpit		Final examination (written)
Drugo (vpišite)		Other:

Reference nosilca / Lecture's references:

Boštjan Kerbler je je redno zaposlen na Urbanističnem inštitutu Republike Slovenije. Je znanstveni svetnik z dolgoletnimi izkušnjami iz teoretičnega in empiričnega raziskovanja. Za svoje poglobljeno raziskovalno delo je že v času študija prejel dve Prešernovi nagradi. Bil je (in je še vedno) vodja ali član raziskovalnih projektnih skupin pri številnih raziskovalnih projektih na nacionalni ali mednarodni ravni. Objavil je številne znanstvene članke v recenziranih domačih in mednarodnih revijah ter znanstvene monografije. Je član mednarodnih uredniških odborov različnih mednarodnih znanstvenih revij, član znanstvenih odborov mednarodnih znanstvenih konferenc, član različnih mednarodnih strokovnih organizacij ter recenzent znanstvenih monografij in mednarodnih znanstvenih periodičnih publikacij.

Boštjan Kerbler is a full-time employee at the Urban Planning Institute of the Republic of Slovenia. He is a scientific counsellor with many years of experience in the theoretical and empirical research. Already at the time of the study he received two awards for outstanding research achievements. He was (and still is) a leader or a member of research project groups in many research projects at the national or international level. He has published numerous scientific articles in peer-reviewed national and international journals as well as scientific monographs. He is a member of the editorial boards of various international scientific journals, a member of the scientific committees of international scientific conferences, a member of several international professional organizations and peer-reviewer of scientific monographs and international scientific journals.