



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Magistrski seminar
Course title:	Master of science seminar

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biologija in ekologija z naravovarstvom	/	2	Poletni
Biology and Ecology with Nature Conservation	/	2	Summer

Vrsta predmeta / Course type:

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
	45				135	180/6

Nosilec predmeta / Lecturer:

Jeziki / Languages:

Predavanja / Lectures:

Vaje / Tutorial:

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

Študent si pred pristopom k predmetu pridobi soglasje mentorja, s katerim opredelita področje in okvirno temo magistrskega dela.

Prerequisites:

A student should beforehand find a consent of a supervisor of a Master thesis about research field and content of a thesis.

Vsebina:

Študent se nato v vodenem procesu seznanja s postopki:

- oblikovanje raziskovalnih vprašanj in zastavitve hipotez;
- iskanje, pridobitev in kritično branje virov;
- izbor in uporabo ustreznih metod za pridobivanje rezultatov ter opredelitve omejitev izbrane metode;
- načrtovanje raziskovalnega dela;
- analiza rezultatov z ustreznimi statističnimi metodami in njihova interpretacija;
- diskusija, umestitev raziskave v kontekst že publiciranih del;
- javna predstavitev načrta raziskovalnega dela;
- pisna priprava dispozicije magistrskega dela.

Content (Syllabus outline):

Student should in guided process gain knowledge about:

- Formation of research questions and hypotheses;
- Finding, acquisition, and critical reading of literature;
- Choosing and usage of appropriate methods for data acquisition and recognition of potential weaknesses of chosen methods;
- Planning of his/her research work;
- Statistical analysis of results and their interpretation;
- Discussion and placing of proposed work in a context of already published materials;
- Public presentation of planned research;
- Written preparation of a disposition of Master thesis.

Temeljni literatura in viri / Readings:**OBVEZNA LITERATURA/OBLIGATORY READINGS:**

- Tonette S., Rocco and Tim Hatcher (edit.). 2011. The handbook of scholarly writing and publishing. San Francisco. Jossey-Bass a Wiley Imprint cop.
- Jay Katz M. 2009. From research to manuscript: a guide to scientific writing. Springer.
- Knjige in članki s posameznega specifičnega področja: v skladu s temo jih predlaga mentor posameznega magistrskega dela

PRIPOROČENA LITERATURA/FACULTATIVE READINGS:

- Winstanley C. 2010. Writing a dissertation for dummies. Chichester. Wiley.
- Glasman-Deal H. 2010. Science research writing for non-native speakers of English. London. Imperial College Press cop.

Cilji in kompetence:

- Študentje suvereno rešujejo raziskovalne probleme;
- Študentje uporabljajo različne metode dela;
- Študentje znajo izbrati kazalnike za presojo raziskovalnega problema;
- Študentje primerjajo in ovrednotijo rešitve raziskovalnega problema;
- Študentje predstavijo problem drugim;

Študentje napišejo dispozicijo raziskovalnega dela.

Objectives and competences:

- students evaluate research problem;
- students use different working methods;
- students choose benchmarks for evaluation of a research problem;
- students compare and evaluate solutions to a research problem;
- student present problem to the others;
- write a disposition of research work.

Predvideni študijski rezultati:**Znanje in razumevanje:**

- študentje načrtujejo, izvajajo in ovrednotijo raziskovalno delo

Intended learning outcomes:**Knowledge and understanding:**

- Students planning, performance and evaluation of research work.

Metode poučevanja in učenja:

Seminarji

Learning and teaching methods:

Seminar

Delež (v %) /

Weight (in %)

Načini ocenjevanja:**Assessment:**

Izdelana in oddana dispozicija magistrske naloge.

Prisotnost na treh zagovorih magistrskih nalog (na študijskem programu Biologija in ekologija z naravovarstvom, 2. stopnja).

Po vseh opravljenih obveznostih se oceni dispozicija magistrske naloge.

100

Prepared and submitted written disposition of a Master Thesis.

Listening three Master's thesis defenses (at the study program Biology and Ecology with Natural Conservation, 2nd cycle).

After all completed obligations, the disposition of the master's thesis is evaluated.

Reference nosilca / Lecturer's references:

ŠKORNIK, Sonja, PIPENBAHER, Nataša. Primerjava funkcionalnih potez dominantnih in podrejenih rastlinskih vrst v suhih travniških asociacije Scabioso hladnikianae-Caricetum humilis v Sloveniji = Relationship in plant functional traits between dominant and subordinate plant species in dry grassland association Scabioso hladnikianae-Caricetum humilis in Slovenia. Hladnikia, ISSN 13182293. [Tiskana izd.], apr. 2018, [Št.] 41, str. 26-41, ilustr. [COBISS.SI-ID 4713295]

DENGLER, Jürgen, PIPENBAHER, Nataša, ŠKORNIK, Sonja, et al. GrassPlot - a database of multiscale plant diversity in Palearctic grasslands. Phytocoenologia, ISSN 0340-269X, 2018, vol. 48, iss. 3, str. 331-347, ilustr., doi: 10.1127/phyto/2018/0267. [COBISS.SI-ID 24005128]

PAUŠIČ, Igor, IVAJNŠIČ, Danijel, KALIGARIČ, Mitja, PIPENBAHER, Nataša. Relation between plant species diversity and landscape variables in Central-European dry grassland fragments and their successional derivatives. *Acta botanica Croatica : an international journal of botany*, ISSN 0365-0588, 2017, vol. 76, iss. 2, str. 111-119, ilustr. <https://www.degruyter.com/view/j/botcro.ahead-of-print/botcro-2017-0001/botcro-2017-0001.xml?format=INT>, doi: [10.1515/botcro-2017-0001](https://doi.org/10.1515/botcro-2017-0001). [COBISS.SI-ID [23132168](https://www.cobiss.si/record/23132168)]

JEVŠNIK, Ema, PIPENBAHER, Nataša, ŠKORNIK, Sonja. Vpliv paše divjadi v oborah na vrstno pestrost in sestavo polnaravnih suhih travšč navadne turške detelje in pokončnega stoklasca (Onobrychido viciifoliae-Brometum) = Effect of permanent game grazing on species diversity and the composition of semi-natural dry grassland of the association Onobrychido viciifoliae-Brometum. *Zlatorogov zbornik*. 2020, letn. 7, št. 7, str. 66-76, ilustr. ISSN 2232-6499. https://www.lovska-zveza.si/userfiles/Zbornik_2020_web.pdf.

ŽIBERNA, Igor, PIPENBAHER, Nataša, DONŠA, Daša, ŠKORNIK, Sonja, KALIGARIČ, Mitja, KAJFEŽ-BOGATAJ, Lučka, ČREPINŠEK, Zalika, GRUJIČ, Jaša Veno, IVAJNŠIČ, Danijel. The impact of climate change on urban thermal environment dynamics. *Atmosphere*. 2021, vol. 12, iss. 9, str. 1-15, ilustr. ISSN 2073-4433. https://www.mdpi.com/journal/atmosphere/special_issues/hazards_urbanization_climate, <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=136109>, <https://dk.um.si/IzpisGradiva.php?id=81564>, DOI: [10.3390/atmos12091159](https://doi.org/10.3390/atmos12091159). [COBISS.SI-ID [75887619](https://www.cobiss.si/record/75887619)]