



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:**OBEVZNA 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.

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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 %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

Izdelana in oddana dispozicija magistrske naloge.		Prepared and submitted written disposition of a Master Thesis.
Prisotnost na treh zagovorov magistrskih nalog (na študijskem programu Biologija in ekologija z naravovarstvom, 2. stopnja).		Listening three Master's thesis defenses (at the study program Biology and Ecology with Natural Conservation, 2 nd cycle).
Po vseh opravljenih obveznostih se oceni dispozicija magistrske naloge.	100	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 hladnikiana-Caricetum humilis v Sloveniji = Relationship in plant functional traits between dominant and subordinate plant species in dry grassland association Scabioso hladnikiana-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]

UNUK, Tina, PIPENBAHER, Nataša, ŠKORNIK, Sonja. Trophic-level differences in functional composition of the *Nardus* grassland vegetation. *Plant Biosystems*, ISSN 1126-3504, 2018, str. 1-7, ilustr., doi: 10.1080/11263504.2017.1418451. [COBISS.SI-ID 23653128]

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)]

PIPENBAHER, Nataša, KALIGARIČ, Mitja, MASON, Norman W. H., ŠKORNIK, Sonja. Dry calcareous grasslands from two neighboring biogeographic regions: relationship between plant traits and rarity. *Biodiversity and conservation*, ISSN 0960-3115, 2013, vol. 22, iss. 10, str. 2207-2221, doi: [10.1007/s10531-013-0520-6](https://doi.org/10.1007/s10531-013-0520-6). [COBISS.SI-ID [19978504](https://www.cobiss.si/record/19978504)]