



Univerza v Mariboru



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Fakulteta za naravoslovje in
matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Magistrski seminar
Course title:	Master of science seminaire

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	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	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:

Prerequisites:

Vsebina:

Temeljni cilj predmeta je izdelava dispozicije magistrske naloge. Študent si pred pristopom k predmetu pridobi soglasje mentorja s katerim opredelita področje in okvirno temo magistrskega dela. 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):

Basic goal of the subject is to prepare proposals of the master thesis. A student should beforehand find a consent of a supervisor of a Master thesis about research field and content of a thesis. 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:

Tonette S., Rocco and Tim Hatcher (edit.). 2011. The handbook of scholarly writing and publishing. San Francisco. Jossey-Bass a Wiley Imprint cop.

Glasman-Deal H. 2010. Science research writing for non-native speakers of English. London. Imperial College Press cop.

Winstanley C. 2010. Writing a dissertation for dummies. Chichester. Wiley.

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

Cilji in kompetence:

Po opravljenem kursu bo študent-ka sposoben:

- ovrednotiti raziskovalni problem;
- izbrati kazalnike za presojo raziskovalnega problema;
- presoditi in ovrednotiti tuje rešitve raziskovalnega problema;
- pripraviti načrt raziskovalnega dela;
- predstaviti problem drugim

Objectives and competences:

After the course a student should be able to:

- evaluate research problem;
- choose benchmarks for evaluation of a research problem;
- assess proposed solutions to a research problem;
- prepare plan for his/her research;
- present problem to the others;

- napisati dispozicijo raziskovalnega dela.

- write a disposition of research work.

Predvideni študijski rezultati:

Znanje in razumevanje

- načrtovanja, izvedbe in ovrednotenja raziskovalnega dela.

Intended learning outcomes:

Knowledge and understanding of:

- planning, performance and evaluation of research work.

Metode poučevanja in učenja:

Seminarji

Learning and teaching methods:

Seminaire

Načini ocenjevanja:

Delež (v %) /

Weight (in %) **Assessment:**

Javna predstavitev zasnove magistrske naloge.	50	Public presentation of proposals of a Master Thesis.
Izdelana in oddana dispozicija seminarske naloge.	50	Prepared and submitted written disposition of a Master Thesis

Reference nosilca / Lecturer's references:

ŠORGO, Andrej, JAUŠOVEC, Norbert, JAUŠOVEC, Ksenija, PUHEK, Miro. The influence of intelligence and emotions on the acceptability of genetically modified organisms. *Electron. J. Biotechnol.*, 2012, vol. 15, no. 1, str. 1-11, doi: [10.2225/vol15-issue1-fulltext-1](https://doi.org/10.2225/vol15-issue1-fulltext-1). [COBISS.SI-ID [18875912](https://www.cobiss.si/id/18875912)]

ŠORGO, Andrej, KOCIJANČIČ, Slavko. False reality or hidden messages: reading graphs obtained in computerized biological experiments. *Eurasia*, 2012, vol. 8, no. 2, str. 129-137. http://www.ejmste.com/v8n2/EURASIA_v8n2_Sorgo.pdf. [COBISS.SI-ID [19146248](https://www.cobiss.si/id/19146248)]

REBOLJ, Danijel, FISCHER, Martin, ENDY, Drew, MOORE, Thomas, ŠORGO, Andrej. Can we grow buildings? Concepts and requirements for automated nano- to meter-scale building. *Advanced engineering informatics*, Apr. 2011, vol. 25, iss. 2, str. 390-398, doi: [10.1016/j.aei.2010.08.006](https://doi.org/10.1016/j.aei.2010.08.006).

[COBISS.SI-ID [14394134](#)]

ŠORGO, Andrej, AMBROŽIČ-DOLINŠEK, Jana, USAK, Muhammet, ÖZEL, Murat. Knowledge about and acceptance of genetically modified organisms among pre-service teachers: a comparative study of Turkey and Slovenia. *Electron. J. Biotechnol.*, Jul. 2011, vol. 14, no. 4, str. 1-12.

<http://dx.doi.org/10.2225/vol14-issue4-fulltext-5>, doi: [10.2225/vol14-issue4-fulltext-5](https://doi.org/10.2225/vol14-issue4-fulltext-5).

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KRYŠTUFEK, Boris, ŠORGO, Andrej, JANŽEKOVIČ, Franc. Elevational distribution of small terrestrial mammals on Mt. Pohorje, Slovenia = Distribuzione altitudinale di piccoli mammiferi terrestri sul monte Pohorje, Slovenia. *Ann, Ser. hist. nat.*, 2010, vol. 20, št. 2, str. 113-122, ilustr.

[COBISS.SI-ID [18189576](#)]