



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Doktorska disertacija
Course title:	Doctoral dissertation

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Doktorski študij Ekološke znanosti, 3. stopnja		4.	8.
Doctoral Study Ecological Sciences, 3rd degree		4th	8th

Vrsta predmeta / Course type

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Lab. Vaje Laboratory work	Konzultacije Consult.	Samost. delo Individ. work	ECTS
	30				870	30

Nosilec predmeta / Lecturer:

Jeziki / Languages: Predavanja / Lectures:
Vaje / Tutorial:

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

Uspešno opravljene obveznosti v programu.
Prijava doktorske disertacije, opravljena v skladu s pravilnikom visokošolskega zavoda.

Prerequisites:

Students have to fulfill all requirements from the program and declare their doctoral dissertation according to the faculty prescribed regulations.

Vsebina:

Content (Syllabus outline):

Izdelava doktorske disertacije z naslednjo okvirno vsebino:

- Povzetek doktorske disertacije v slovenskem in angleškem jeziku in ključne besede, MSC klasifikacija in ključne besede
 - Pregled vsebine - kazalo
 - Pregled slik - kazalo
 - Pregled tabel - kazalo
 - Pregled prilog - kazalo
 - Uvod
 - Material in metode
 - Rezultati
 - Diskusija
 - Povzetek
 - Literatura in viri
 - Priloge (po potrebi)
 - Pojmovnik (po potrebi)
 - Kratice in akronimi (po potrebi)
 - Delovni življenjepis kandidata
- Izjava kandidata o avtorstvu doktorske disertacije

Doctoral thesis with the following structure:

- Abstract of the PhD degree's work in Slovene and English and key words
 - Review of the subject – index
 - Review of figures – index
 - Review of the tables – index
 - Review of the supplements – index
 - Introduction
 - Material and methods
 - Results
 - Discussion
 - Summary
 - Literature and sources
 - Supplements (if needed)
 - Glossary (if needed)
 - Abbreviations and acronyms (if needed)
 - Biography of the candidate
- Statement of the candidate about his authorship of the PhD degree's work

Temeljni literatura in viri / Readings:

Devetak, D., Novak, T., Čagran, B., Pšunder, M., & Janžekovič, F. (2013). Navodila in priporočila za izdelavo pisnih izdelkov na Oddelku za biologijo FNM UM (str. 26). Fakulteta za naravoslovje in matematiko, Univerza v Mariboru. (dostopno na: <https://biologija.fnm.um.si/studij/studijska-gradiva/>)

Lesk, A. M. (2014). Introduction to Bioinformatics (2nd ed., str. XVIII, 360, 10 pril. Oxford University Press.

Dodatna literatura:

Gauch, H. G. (2003). Scientific method in practice (str. XVIII, 435). Cambridge University Press.

Katz, M. J. (2007). From research to manuscript. A guide to scientific writing (str. XIV, 210). Springer. <https://doi.org/10.1007/978-1-4020-9467-5>

Tekoča znanstvena in strokovna periodika s področja, na katerem študent izbere temo svoje doktorske disertacije.

Cilji in kompetence:

Doktorska disertacija je pisni dokument, s katerim študent dokaže vrhunsko sposobnost uporabe teoretičnih znanj in v praksi pridobljenih izkušenj za rešitev problema, ki si ga je izbral s prijavo teme doktorskega dela. V doktorski disertaciji študent pokaže sposobnost izbire in uporabe metod dela v

Objectives and competences:

The doctoral thesis (Ph.D. degree's work) is a written document by means of which the student proves his top-level ability to use the theoretical knowledge and in his experiences achieved in practical work resolving a problem chosen by applying for a theme of his Ph.D. degree's work. In his doctoral thesis the student presents the ability to choose and use

ekologiji ali biologiji in uporabe domače ter tuje strokovne literature in dodatnih virov za potrebe rešitve izbranega problema.

appropriate methods in ecology and literature and additional sources in order to solve the chosen problem.

Predvideni študijski rezultati:

Znanje in razumevanje:

Znanje širšega strokovnega področja, v katerega spada tema doktorske disertacije in ožje znanje ter vrhunsko razumevanje strokovnih pojmov in kreiranje novih pojmov za celovit prikaz doktorskega dela. Poudarek je na vrhunskih teoretičnih in praktičnih znanjih ter vrhunski aplikaciji in priredbah metodologij zajemanja, obdelovanja in prikazovanja podatkov.

Prenosljive/ključne spretnosti in drugi atributi:

Vrhunsko strokovno zapisovanje in izražanje vsebine, obvladanje reševanja znanstvenih problemov, suverena predstavitev ključnih spoznanj in spretnost argumentiranja.

Intended learning outcomes:

Knowledge and understanding:

Knowledge of the broader professional field to which belongs the Ph.D. degree's work, and special knowledge of the glossary concerned by the degree's work theme as well as the creation of new conceptions. The emphasis is on the top-level theoretical and practical skills in using and adjustment of methods of collecting, processing and presenting data.

Transferable/Key Skills and other attributes:

Documenting and expressing the subject in a professional way, mastering the solving of the scientific problems, independent presentation of the key conclusions and ability in arguing.

Metode poučevanja in učenja:

Samostojno delo.
Mentor na konzultacijah preverja vsebinski in strukturni vidik disertacije ter usmerja kandidata pri predstavitvi disertacije.

Learning and teaching methods:

Individual work.
The supervisor checks and verifies the thematic and structural aspect of the dissertation in consultations. He directs the student in preparation of an appropriate presentation of his dissertation and to the most probable questions with respect to the commission of defence.

Načini ocenjevanja:

- Zaključno delo
- Zagovor zaključnega dela

Delež (v %) /

Weight (in %)

Assessment:

- Final work
- Defence of the final work

Reference nosilca / Lecturer's references:

Reference habilitiranih nosilcev predmetov v programu / References of lecturers listed in the program