



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

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|----------------------|---|
| Predmet: | Individulano raziskovalno delo I |
| Course title: | Individual Research Work I |

| Študijski program in stopnja Study programme and level | Študijska smer Study field | Letnik Academic year | Semester Semester |
|---|-------------------------------|-------------------------|----------------------|
| Doktorski študij Ekološke znanosti, 3. stopnja | | 1.; 1st | 1.; 1st |
| Doctoral Study Ecological Sciences, 3rd degree | | | |

Vrsta predmeta / Course type:

Univerzitetna koda predmeta / University course code:

| Predavanja Lectures | Seminar Seminar | Vaje Tutorial | Lab. vaje Laboratory work | Terenske vaje Field work | Samost. delo Individ. work | ECTS |
|------------------------|--------------------|------------------|------------------------------|-----------------------------|-------------------------------|------|
| | | | | | 540 | 18 |

Nosilec predmeta / Lecturer:

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

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

Vsebina:
Individualno raziskovalno delo I je namenjeno seznanjanju z raziskovalno temo in metodami. Študent pridobi teoretične osnove s področja širše tematike raziskovalnega dela z iskanjem, zbiranjem, pregledom in študijem relevantne literature.

Content (Syllabus outline):
The goal of the Individual Research Work I is to get acquainted with the research topic and methods. The student gains wider theoretical basics of the topics of the research work by searching, collecting, reviewing and study of relevant literature.

Temeljni literatura in viri / Readings:

Doumont, J., ed. *English Communication for Scientists*. Cambridge, MA: NPG Education, 2010.
 Gauch, Hugh G. *Scientific method in practice*. Cambridge University Press, 2003.
 Lesk A.M. 2014. *Introduction to Bioinformatics*. Oxford University Press, Oxford, United Kingdom, 400 str.
 Devetak, D., T. Novak, B. Cagran, M. Pšunder, 2003: Navodila in priporočila za izdelavo strokovnih pisnih izdelkov s področja biologije. Maribor: Pedagoška fakulteta, 23 str.
 Katz, M. J., 2007: *From research to manuscript. A guide to scientific writing*. Springer, 152 str.
 Klipp, E., 2005: *Systems biology in practice : concepts, implementation and application*, Wiley-VCH.

Cilji in kompetence:

Teoretične priprave na konkretne raziskave

Objectives and competences:

Theoretical basics of the investigations

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

Vseh relevantnih teoretičnih znanj

Prenesljive/ključne spretnosti in drugi atributi:

Vrhunska usposobljenost za iskanje in uporabo relevantnih teoretičnih znanj

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

All relevant theoretical knowledges

Transferable/Key Skills and other attributes:

Top-level skills to provide and use relevant theoretical knowledges

Metode poučevanja in učenja:

Samostojen študij.
 Mentor sproti
 • Usmerja študenta pri pridobivanju relevantnih teoretičnih znanj

Learning and teaching methods:

Self-study.
 The supervisor currently:
 • Directs the student to provide relevant theoretical knowledges

Delež (v %) /

Weight (in %)

Načini ocenjevanja:**Assessment:**

Se oceni z opravi / ni opravi:
 seminarsko delo s pregledom relevantne literature s področja tematike doktorske naloge

100%

Pass / fail evaluation:
 seminar work with a review of the relevant literature from the topic of the doctoral thesis

Reference nosilca / Lecturer's references:

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

