



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Biološki terenski praktikum
Course title:	Biology Field Course

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Univerzitetni študijski program Biologija, 1. stopnja	/	2	4
Undergraduate university programme Biology, 1 st degree	/	2nd	4th

Vrsta predmeta / Course type

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Terensko delo Field work	Samost. delo Individ. work	ECTS
		15		90	135	8

Nosilec predmeta / Lecturer:

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

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

Jih ni.

Prerequisites:

No.

Vsebina:

Praktično spoznavanje terestričnih habitatov in habitatnih tipov v Sloveniji, ki temelji na terenskem delu.
 Vodni in obvodni habitati (mlaka oz. mrtvica, ribnik, potok, reka, rečno obrežje, gozd)
 Gozdni habitati: gozd, gozdni rob, biodiverzitetna talnih organizmov, degradacija habitata
 Travniški habitati, grmišča
 Podzemeljski habitati

Content (Syllabus outline):

Practical knowledge of terrestrial habitats and habitat types in Slovenia, based on field work.
 Water and near-water habitats (pools, bog, pond, stream, river, river bank, forest)
 Forest habitats: forest, forest edge, biodiversity of soil organisms, habitat degradation
 Grassland habitats, bushes
 Hypogean habitats

Temeljni literatura in viri / Readings:

Chapin, F. S., P. A. Matson, P. Vitousek, 2011: Principles of terrestrial ecosystem ecology. Springer Verlag.
 Schowalter, T. D. 2016: Insect ecology. An ecosystem approach. 4th ed. Elsevier, Amsterdam.
 Ključi za določevanje organizmov

Cilji in kompetence:

Študenti spoznajo glavne živalske skupine v izbranih habitatih
 Znati uporabljati ključe (determinacija)

Objectives and competences:

Students get familiar with animals inhabiting selected habitats
 Practical skills in determination

Predvideni študijski rezultati:

Po uspešno opravljeni učni enoti naj bi bili študenti zmožni:
 - pridobiti večšine terenskega dela v zoologiji, botaniki in ekologiji;
 - določiti živali do nivoja redov in opredeliti njihove taksonomske značilnosti;
 - določiti višje rastline do vrst.

Intended learning outcomes:

By the end of this course students should be able to:
 - gain skills of field work in zoology, botany and ecology;
 - identify animals and define taxonomic features to the order level;
 - identify vascular plants to the species level.

Metode poučevanja in učenja:**Learning and teaching methods:**

Terensko delo: zbiranje podatkov Laboratorijsko delo: obdelava, determinacija	Field work: collecting data Laboratory work: analysis, determination
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Delež (v %) /

Weight (in %)

Assessment:

Načini ocenjevanja:

Seminarska naloga in predstavitev		Seminar essay and presentation
Prisotnost na več kot 80 % terenskih ur v okviru predmeta je vključno s seminarsko nalogo in njeno predstavitvijo pogoj za opravljen predmet.	100%	The presence on more than 80% of the field hours within the course with included seminar essay and its presentation is prerequisite for passing the course.

Reference nosilca / Lecturer's references:

KLENOVŠEK, Tina, JANŽEKOVIČ, Franc, DEVETAK, Dušan. Field work in Georgia 2018. *Lacewing news : newsletter of the International Association of Neuropterology*, spring 2019, no. 28, str. 1-3, ilustr. https://www.researchgate.net/publication/332606476_Lacewing_News_28. [COBISS.SI-ID [24549384](#)]

KRAL, Karl, DEVETAK, Dušan. Neuroptera. V: SPARROW, David J. (ur.), JOHN, Eddie (ur.). *An introduction to the wildlife of Cyprus*. Limassol: Terra Cypria. 2016, str. 243-267, ilustr. [COBISS.SI-ID [22945288](#)]

DEVETAK, Dušan, JAKŠIĆ, Predrag N., KLOKOČOVNIK, Vesna, KLENOVŠEK, Tina, PODLESNIK, Jan, JANŽEKOVIČ, Franc, RAUSCH, Hubert. Lacewings (Neuropterida: Neuroptera, Raphidioptera) in three National Parks in the Balkan Peninsula : results of short collection trips. V: *Programme & abstracts, 13th International Symposium of Neuropterology, 17th to 21st June 2018, Laufen/Salzach, Bavaria, Germany*. [S. l.: s. n.]. 2018, str. 26. https://www.researchgate.net/publication/326507330_Programme_Abstracts_XIII_International_Symposium_of_Neuropterology_17-21_June_2018_Laufen_Germany. [COBISS.SI-ID [24235528](#)]

DEVETAK, Dušan, JAKŠIĆ, Predrag N., KLENOVŠEK, Tina, PODLESNIK, Jan, JANŽEKOVIČ, Franc, IVAJNŠIČ, Danijel. Neuroptera in in two protected sand dune areas in the southern rim of the Pannonian Plain. V: *Programme & abstracts, 13th International Symposium of Neuropterology, 17th to 21st June 2018, Laufen/Salzach, Bavaria, Germany*. [S. l.: s. n.]. 2018, str. 26. https://www.researchgate.net/publication/326507330_Programme_Abstracts_XIII_International_Symposium_of_Neuropterology_17-21_June_2018_Laufen_Germany. [COBISS.SI-ID [24241160](#)]

KLOKOČOVNIK, Vesna, ŠORGO, Andrej, DEVETAK, Dušan. Hands-on experiments on predatory behaviour with antlion larvae. *Journal of Biological Education*, ISSN 0021-9266, 2016, vol. 50, no. 4, str. 384-394, ilustr., doi: [10.1080/00219266.2015.1117513](https://doi.org/10.1080/00219266.2015.1117513). [COBISS.SI-ID [21928200](#)]

