



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

Obvezni / Compulsory

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:

Jan Podlesnik

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

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

Jih ni.

Prerequisites:

No.

Vsebina:

Content (Syllabus outline):

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, biodiverzitetata talnih organizmov, degradacija habitata
Travniški habitati, grmišča
Podzemeljski habitati

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.
Ključni za določevanje organizmov

Cilji in kompetence:

Študenti spoznajo glavne živalske skupine v izbranih habitatih
Znati uporabljati ključne (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 veščine 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 %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

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:

PODLESNIK, Jan, JAKŠIĆ, Predrag N., NAHIRNIĆ, Ana, JANŽEKOVIČ, Franc, KLENOVŠEK, Tina, KLOKOČOVNIK, Vesna, DEVETAK, Dušan, et al. Fauna of the brown lacewings of Serbia (Insecta: Neuroptera: Hemerobiidae). *Acta entomologica slovenica*. jun. 2019, vol. 27, št. 1, str. 17-29, zvd. ISSN 1318-1998. [COBISS.SI-ID 2027509]

financer: ARRS, Programi, P1-0403 (A), SI, Računsko intenzivni kompleksni sistemi

PODLESNIK, Jan, KLOKOČOVNIK, Vesna, LORENT, Vincent, DEVETAK, Dušan. Prey detection in antlions : propagation of vibrational signals deep into the sand. *Physiological entomology*. 2019, vol. 44, iss. 3/4, str. 215-221. ISSN 0307-6962. DOI: [10.1111/phen.12295](https://doi.org/10.1111/phen.12295). [COBISS.SI-ID [24646664](https://www.cobiss.si/id/24646664)], [JCR, SNIP]

PODLESNIK, Jan, MIHAJLOVIĆ, Ljubodrag, JURC, Maja. A two-year study of parasitoid entomofauna associated with spruce bark beetles (Coleoptera: Curculionidae) in the altimontane belt of Slovenia (Pohorje). *Phytoparasitica*. 2017, vol. 45, no. 2, str. 135-145. ISSN 0334-2123. DOI: [10.1007/s12600-017-0574-1](https://doi.org/10.1007/s12600-017-0574-1). [COBISS.SI-ID [23042056](https://www.cobiss.si/id/23042056)], [JCR, SNIP]

PODLESNIK, Jan, KLOKOČOVNIK, Vesna, KLENOVŠEK, Tina, JANŽEKOVIČ, Franc, DEVETAK, Dušan. First records of spongillaflyies (Neuroptera: Sisyridae) in Serbia and Bosnia and Herzegovina, with notes on their occurrence in the Balkan countries. *Turkish journal of zoology*. 2017, vol. 41, iss. 1, str. 164-169, ilustr. ISSN 1300-0179. DOI: [10.3906/zoo-1508-48](https://doi.org/10.3906/zoo-1508-48). [COBISS.SI-ID [22917640](https://www.cobiss.si/id/22917640)]