



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
Enovit magistrski študijski program druge stopnje Predmetni učitelj	/	2	4
Five-year master's degree program Subject Teacher	/		

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
			15	30	45	3

Nosilec predmeta / Lecturer:

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

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

Prerequisites:

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, H. A. Mooney, 2002: Principles of terrestrial ecosystem ecology. Springer Verlag.

Določevalni ključi rastlin in živali / Identification keys for animals and plants.

Mršič, N., 1997: Živali naših tal. Tehniška založba Slovenije.

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 animal and plant determination.

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

Razumevanje kompleksnosti zgradbe ekosistema.
Poznavanje glavnih skupin rastlin in živali.
Razumevanje pomena rastlin in živali v ekosistemu.

Prenosljive/ključne spretnosti in drugi atributi:

Determinacija – delo s ključi.
Delo na terenu in v laboratoriju.

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

Understanding of complexity of an ecosystem.
Knowledge of plant and animal groups.
Understand the role of animals and plants in ecosystems.

Transferable/Key Skills and other attributes:

Determination – usage keys for determination.
Field and laboratory work.

Metode poučevanja in učenja:

Terensko delo: zbiranje podatkov.
Laboratorijsko delo: obdelava, determinacija.

Learning and teaching methods:

Field work: collecting data.
Laboratory work: analysis, determination.

Načini ocenjevanja:

Seminarska naloga in predstavitve

Delež (v %) /

Weight (in %)

Assessment:

Seminar essay and presentation

Reference nosilca / Lecturer's references:

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 spongillafly (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)]

ROQUES, Alain, JURC, Maja, PODLESNIK, Jan, et al. Climate warming and past and present distribution of the Processionary moths (*Thaumetopoea* spp.) in Europe, Asia minor and North Africa. V: ROQUES, Alain (ur.). *Processionary moths and climate change : an update*. Dordrecht; Heidelberg; New York; London:

Springer, cop. 2015. Str. 81-161. ISBN 978-94-017-9339-1. http://dx.doi.org/10.1007/978-94-017-9340-7_3, DOI: [10.1007/978-94-017-9340-7_3](https://doi.org/10.1007/978-94-017-9340-7_3). [COBISS.SI-ID [4004262](#)]