



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Izbrana poglavja iz zoologije
Course title:	Selected topics in Zoology

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Doktorski študij Ekološke znanosti, 3. stopnja		1. ali 2.; 1st or 2nd	1.- 4.; 1st-4th
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
20			10		150	6

Nosilec predmeta / Lecturer:

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

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

Vsebina:

Značilnosti živali in živalske celice.
Taksonomski in filogenetski pregled živali.
Zgradba in funkcija organskih sistemov in organov živali.
Razmnoževanje.

Content (Syllabus outline):

Characteristics of animals and animal cells.
Taxonomic and phylogenetic overview of animals.
Structure and function of organ systems and organs of animals.
Reproduction.

Temeljni literatura in viri / Readings:

Hickman C.P.R., Roberts L.S., Keen S.L., Eisenhour D.J., Larskon A., l'Anson H., 2014. Integrated Principles of Zoology. McGraw Hill. New York.
 Miller S.A., Harley J.P., 2010, Zoology. McGraw Hill. Boston.
 Solomon E.P., Berg L.R., Martin D.W., 2005, Biology. Thomson Learning. Belmont.

Cilji in kompetence:

Pridobitev znanja o zakonitostih življenja živali.
 Sposobnost razumeti in pojasniti zgradbo živalskih organizmov.
 Razumeti in pojasniti procese razmnoževanja živali.

Objectives and competences:

To gain knowledge of principles of animal life.
 To gain the understanding and ability to explain structures of animals organisms.
 To undestand and be able to explain processes in animal reproduction.

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

Metode eksperimentalnega dela v zoologiji.
 Struktura in funkcija živali.
 Strukturne prilagoditve, življenjski procesi in življenjski cikli pri živalih.

Prenesljive/ključne spretnosti in drugi atributi:

Sposobnost dela z optičnim mikroskopom.
 Sposobnost sekcije živali.
 Poznavanje zgradbe in funkcije živali od celice do organizma.

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

Experimental methods in zoology.
 Structures and functions of animals.
 The structural adaptations, life processes and life cycles of animals.

Transferable/Key Skills and other attributes:

Qualification for work with optical microscope.
 Ability of section of animals.
 Knoeledge on structre and function of animals from cell to organism.

Metode poučevanja in učenja:

- Pradavnja
- Laboratorijske vaje

Learning and teaching methods:

- Lectures
- Laboratory excersises

Načini ocenjevanja:

Delež (v %) /

Weight (in %)

Assessment:

Poročilo iz vaj	20	Report from laboratory excercises
Ustni izpis	80	Oral exam

Reference nosilca / Lecturer's references:

KLENOVŠEK, Tina, NOVAK, Tone, ČAS, Miran, TRILAR, Tomi, JANŽEKOVIČ, Franc. Feeding ecology of three sympatric Sorex shrew species in montane forests of Slovenia. *Folia Zoologica*, ISSN 0139-7893, 2013, vol. 62, no. 3, str. 193-199, ilustr. [COBISS.SI-ID [3707046](#)]

NOVAK, Tone, ŠAJNA, Nina, ANTOLINC, Estera, LIPOVŠEK DELAKORDA, Saška, DEVETAK, Dušan, JANŽEKOVIČ, Franc. Cold tolerance in terrestrial invertebrates inhabiting subterranean habitats. *International journal of speleology*, ISSN 0392-6672, 2014, vol. 43, no. 3, str. 265-272. <http://dx.doi.org/10.5038/1827-806X.43.3.3>, doi: [10.5038/1827-806X.43.3.3](https://doi.org/10.5038/1827-806X.43.3.3). [COBISS.SI-ID [20595208](#)]

KRYŠTUFEK, Boris, KLENOVŠEK, Tina, BUŽAN, Elena, LOY, Anna, JANŽEKOVIČ, Franc. Cranial divergence among evolutionary lineages of Martino's vole, *Dinaromys bogdanovi*, a rare Balkan paleoendemic rodent. *Journal of mammalogy*, ISSN 0022-2372, 2012, vol. 93, iss. 3, str. 818-825, doi: [10.1644/11-MAMM-A-260.2](https://doi.org/10.1644/11-MAMM-A-260.2). [COBISS.SI-ID [19312904](#)]