Univerza v Mariboru

Fakulteta za naravoslovje in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	**Varstvena biologija sesalcev in ptičev**
Course title:	**Conservation Biology of Mammals and Birds**

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	**/**		
Five-year master's degree program Subject Teacher	**/**		

Vrsta predmeta / Course type Izbirni / Elective

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
30	**15**				**135**	**6**

Nosilec predmeta / Lecturer: Franc JANŽEKOVIČ

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

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

Jih ni.

Prerequisits:

None.

Vsebina:

- Osnove varstvene biologije
- Koncept vrst in varstvena biologija
- Globalna in regionalna pestrost sesalcev in ptic
- Izguba in ogrožanje pestrosti sesalcev in ptic
- Varstvena biologija sesalcev in ptic na vrstnem nivoju
- Populacijska dinamika sesalcev in ptic v heterogeni pokrajini
- Varstveni menagement sesalčjih in ptičjih vrst
- Ekološko restavriranje

Content (Syllabus outline):

- Principles of conservation biology
- The species concept and conservation
- Global and regional biodiversity of mammals and birds
- Losses and threats of mammals and birds biodiversity
- Conservation of diversity within mammals and birds species
- Population dynamics of mammals and birds in heterogeneous landscapes
- Conservation management of mammals and birds species
- Ecological restoration

Temeljni literatura in viri / Readings:

- Gill, F. B., 1995: Ornithology. W. H. Freeman and Company. New York.
- Kryštufk, B., 1999): Osnove varstvene biologije. Tehniška založba Slovenije. Ljubljana.
- Meffe, G. K., C. R. Caroll in sod. (1997): Principles of conservation biology. Sinauer Associates. Massachusetts.
- Vaughan, T. A., J. M. Ryan, N. J. Czaplewski, 2000: Mammalogy. Thomson Learning. London.
- Sodhi, N.S., P.R. Ehrlich. 2010: Conservation Biology for All. Oxford University Press. Oxford.

Cilji in kompetence:

Študentje usvojijo osnovno znanje s področja biodiverzitetnih procesov pri sesalcih in pticah

Objectives and competences:

Students acquire elemental knowledge on biodiversity process in mammals and birds.

Predvideni študijski rezultati:

Znanje in razumevanje:

- Študenti usvojijo znanje o biodiverzitetnih procesih
- Razumejo vzroke in posledice izgube in ogrožanja pestrosti sesalcev in ptic
- Poznajo pristope k naravovarstvenemu menagementu sesalčjih in ptičjih vrst
- Spoznajo ekološko restavriranje

Prenesljive/ključne spretnosti in drugi atributi:

- Sposobnost prepoznavanja in reševanja naravovarstvene problematike, povezane s sesalci ptiči
- Sposobnost presojanja vplivov na populacije sesalcev in ptic.

Intended learning outcomes:

Knowledge and understanding:

- Students acquire knowledge of biodiveristy processes
- They understand causes and effects of mammals and birds losses and threats
- Students know principles of nature protection management of mammal and bird species
- They provide knowledge of ecological restoration

Transferable/Key Skills and other attributes:

- The ability to recognize and solve nature protection problems referring to mammals and birds
- The abilitiy to judge effects on mammals and birds species.

Metode poučevanja in učenja:

- Predavanja
- Seminarji

Learning and teaching methods:

- Lectures
- Seminar

Načini ocenjevanja:	Delež (v %) / Weight (in %)	**Assessment:**
• Ustni izpit • Seminarska naloga	60 40	• Oral examination • Seminar essay

Reference nosilca / Lecturer's references:

JANŽEKOVIČ, Franc, KLENOVŠEK, Tina. The biogeography of diet diversity of barn owls on Mediterranean islands. Journal of biogeography. 2020, vol. 47, iss. 11, str. 2353-2361, ilustr. ISSN 0305-0270. [COBISS.SI-ID 35935747].

PURGER, Jenő J., KURUCZ, Kornélia, SZÉP, Dávid, PURGER, Dragica, KRYŠTUFEK, Boris, IVAJNŠIČ, Danijel, KLENOVŠEK, Tina, JANŽEKOVIČ, Franc. European hamster at the edge : declining in nature and rare in owl pellets. *Ornis Hungarica : journal of hungarian ornithological and nature conservation society*. 2020, vol. 28, no. 2, str. 66-73. ISSN 1215-1610.

JANŽEKOVIČ, Franc, KLENOVŠEK, Tina, MLÍKOVSKÝ, Jiři, TOŠKAN, Borut, VELUŠČEK, Anton. Eneolithic pile dwellers captured waterfowl in winter : analysis of avian bone remains from two pile dwellings in Ljubljansko barje (Slovenia). International journal of osteoarchaeology. [Print ed.]. 2021, vol. 31, iss. 6, str. 977-986, ilustr. ISSN 1047-482X. DOI: 10.1002/oa.3012. [COBISS.SI-ID 67079683]

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