



Univerza v Mariboru

Fakulteta za naravoslovje  
in matematiko

### UČNI NAČRT PREDMETA / COURSE SYLLABUS

<b>Predmet:</b>	Ornitologija
<b>Course title:</b>	Ornithology

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biologija in ekologija z naravovarstvom, 2. stopnja	/	1/2	Zimski/ poletni
Biology and Ecology with Nature Conservation, 2 <sup>nd</sup> cycle	/	1/2	Winter / Summer

**Vrsta predmeta / Course type**

Izbirni / Elective

**Univerzitetna koda predmeta / University course code:**

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Terenske vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
15	15		15		135	6

**Nosilec predmeta / Lecturer:**

Franc JANŽEKOVIČ

**Jeziki /**

**Predavanja / Lectures:** Slovenščina / Slovene

**Languages:**

**Vaje / Tutorial:** Slovenščina / Slovene

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

/

**Prerequisites:**

/

**Vsebina:**

Osnovne biološke lastnosti ptic.  
Oblika, funkcija in adaptivna radiacija.  
Sistematika ptic.  
Vedenje in komunikacija.  
Vedenje in okolje.  
Razmnoževanje in razvoj ptic.  
Populacijska dinamika.  
Naravovarstvena problematika ptic.  
Rokovanje in gojenje ptic.

**Content (Syllabus outline):**

Basic biological properties of birds.  
Shape, function and adaptive radiation.  
Birds systematics.  
Behaviour and communication.  
Behaviour and the environment.  
Bird reproduction and development.  
Population dynamics.  
Nature conservation issues of birds.  
Handling and birds inbred.

Metode izvajanja popisov v naravi in vrednotenja populacijskih popisov.

Methods of carrying out inventories in nature and evaluation of population censuses.

### Temeljni literatura in viri / Readings:

Temeljna literatura / Basic literature:

- Gill, F.B., 1995: Ornithology. W.H. Freeman and Company. New York.
- Liem K.F., Bemis W.E., Walker W.F., Grande L. (2001 in novejši izdaji). Functional Anatomy of the Vertebrates. An Evolutionary Perspective. Harcourt College Publisher. Orlando.

Priporočena literatura / Recommended literature:

- Cramp, S., 1994: Handbook of the birds of Europe, the Middle East and North Africa. The birds of the Western Palearctic. Oxford University Press. Oxford.

### Cilji in kompetence:

Razumevanje in interpretacija diagnostičnih značilnosti ptic.  
Sposobnost interpretacije odnosa med obliko, funkcijo in adaptivno radiacijo.  
Poznavanje taksonomske pripadnosti in telesne zgradbe.  
Samostojna determinacija živali do nivoja vrst.  
Poznavanje razmnoževanja in ontogenetskega razvoja.  
Sposobnost laboratorijskega gojenja izbranih vrst ptic.  
Uporaba metod in tehnik v ornitološkem delu.

### Objectives and competences:

Understanding and interpreting the diagnostic characteristics of birds.  
Ability to interpret the relationship between form, function, and adaptive radiation.  
Knowledge of taxonomic affiliation and physical structure.  
Independent determination of animals to the level of species.  
Knowledge of reproduction and ontogenetic development.  
Ability to laboratory inbred of selected species of birds.  
Use of methods and techniques in ornithological work.

### Predvideni študijski rezultati:

Po opravljenem kurzu naj bi bili študentje sposobni:

Razložiti vlogo adaptacij, ki so pripeljale do raznolikosti telesne zgradbe in različnih življenjskih strategij ptic.

### Intended learning outcomes:

After the course is completed, students should be able to:

Explain the role of adaptations that have led to the diversity of bodyplan and different life strategies of birds.

### Metode poučevanja in učenja:

- Predavanja
- Seminar
- Terensko delo

### Learning and teaching methods:

- Lectures
- Seminar
- Field work

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt):		Type (examination, oral, coursework, project):
- Seminarska naloga	50	- Seminar essay
- Pisni izpit	50	- Written exam

**Reference nosilca / Lecturer's references:**

BAVDEK, Srdan V., GOLOB, Zlatko, JANŽEKovič, Franc, RUTLAND, C, KUBALE, Valentina. Skull of the grey heron (*Ardea cinerea*): Detailed investigation of the orbital region. *Anatomia, Histologia, Embryologia*, ISSN 0340-2096. [Print ed.], 2017, vol. 46, no. 1, str. 552-557.

JANŽEKovič, Franc, ZAJC, Tina, BAVDEK, Srdan V., GOLOB, Zlatko, KLENOVŠEK, Tina. Prispevek k slovenski anatomske terminologiji : latinsko - slovenski, slovensko - latinski slovar ptičjih kosti. *Acta biologica slovenica : ABS*, 2015, vol. 58, št. 2, str. 77-92.

KOTROŠAN, Dražen, JANŽEKovič, Franc, KLENOVŠEK, Tina. Composition of the winter diet of the long-eared owl *Asio otus* in Posavina (in Bosnia and Herzegovina). *Glasnik Zemaljskog muzeja Bosne i Hercegovine u Sarajevu., Prirodne nauke, Les sciences naturelles*, ISSN 0581-7528, 2015, vol. 35, str. 77-80.

ŠKRABAN, Jure, MATJAŠIČ, Tjaša, JANŽEKovič, Franc, WILHARM, Gottfried, TRČEK, Janja. Cultivable bacterial microbiota from choanae of free-living birds captured in Slovenia. *Folia biologica et geologica*, ISSN 1855-7996. [Tiskana izd.], 2017, letn. 58, št. 1, str. 105-114.