

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet: NARAVOVARSTVO
Course title: NATURE CONSERVATION

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Okoljske in regionalne študije, doktorski študij 3. stopnje	Skupni		
Environmental and Regional Studies, doctoral study 3 rd level	Common		

Vrsta predmeta / Course type

Izbirni / Elective

Univerzitetna koda predmeta / University course code:

DI012

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	15			15	120	6

Nosilec predmeta / Lecturer:

Izr. prof. dr. Urban Šilc

**Jeziki /
Languages:**

Predavanja / Lectures:
Vaje / Tutorial:

slovenščina, angleščina / Slovene, English

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

Opraviljena prva stopnja študija biologije ali ekvivalentne smeri.

Prerequisite:

Finished bachelor's degree in Biology or equivalent program of study.

Vsebina:

- Varstvena biologija (disciplina in njena načela)
- Ravni biotske raznovrstnosti (genska, vrstna, ekosistemska) in vzroki upadanja biodiverzitete
- Pravni okvir ohranjanja in trajnostne rabe biotske raznovrstnosti (mednarodni in nacionalni predpisi s področja varstva narave)
- Načini ohranjanja biotske raznovrstnosti (In situ varstveni ukrepi: zavarovana območja, naravne vrednote, Natura 2000 območja, Ekološko pomembna

Content (Syllabus outline):

- Conservation biology (discipline and its principles)
- Levels of biodiversity and causes of decline
- Legal frame of conservation and sustainable use of biodiversity (international and national legislation about nature conservation)
- Ways of nature protection (In situ: protected areas, natural values, Natura 200 areas, ecologically important areas); Ex situ: botanical gardens, ZOO, collections, gene banks, asylum)

- območja; Ex situ varstveni ukrepi: rastlinski in živalski vrtovi, zbirke, genske banke, azil)
- Klasifikacija ogroženosti taksonov (IUCN kriteriji in rdeči sezname)
 - Varovanje vrst, varovanje habitatov, ekosistemov (habitatni tipi) in krajin
 - Monitoring biotske raznovrstnosti (monitoring vrst, habitatnih tipov, ekosistemov)
 - Obnovitvena ekologija: na nivoju vrst (introdukcija, reintrodukcija, translokacija, suplementacija) in ekosistemov (revitalizacija)
 - Praktični primeri

- Classification of endangered taxa (IUCN criteria and red lists)
- Monitoring of biodiversity (monitoring of species, habitat types, ecosystems)
- Restoration ecology: on species level (introduction, reintroduction, translocation, supplement) and ecosystem level (revitalisation)
- Case studies

Temeljna literatura in viri / Readings:

- Pullin A.S. 2002. *Conservation Biology*. Cambridge University Press.
- van Andel J., Aronson J. (eds) 2012. *Restoration Ecology: The New Frontier*, Second edition, Wiley-Blackwell.

Cilji in kompetence:

Namen predmeta je seznaniti študente z osnovami naravovarstvene stroke. Predmet bo definiral in razložil osnove naravovarstva, varovanja vrst *ex situ* in *in situ*, osnove obnovitvene ekologije vrst (ponovne naselitve) in različnih ekosistemov in njihovega monitoringa. Vsebine bodo predstavljene na praktičnih primerih (uspešnih in neuspešnih).

Objectives and competences:

The purpose of the course is to familiarize students with the basics of nature conservation. The course will define and explain basics of nature conservation, *ex situ* and *in situ* conservation of species (reintroduction), basics of restoration ecology of various ecosystems and their monitoring. Course contents will interpret by case studies (successfully and unsuccessfully).

Predvideni študijski rezultati:

- Poznavanje in razumevanje osnov naravovarstvene stroke in njenih načel.
- Poznavanje osnovnih orodij naravovarstva in njihove uporabe v konkretnih primerih.

Intended learning outcomes:

- Knowledge and understanding of the basic concepts in nature conservation as a discipline and its principles.
- Knowledge of basic tools in nature conservation and their application in concrete cases.

Metode poučevanja in učenja:

- Predavanja
- Terensko delo
- e-učenje

Learning and teaching methods:

- Lectures
- Field work
- e-learning

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt) ● Seminarska naloga	20	Type (examination, oral, coursework, project): ● Class paper

● Izpit	80	● Exam
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Reference nosilca / Lecturer's references:

1. **Šilc, U.**, Ačić, S., Škvorc, Ž., Krstonošić, D., Franjić, J., & Dajić Stevanović, Z. (2014). Grassland vegetation of the Molinio-Arrhenatheretea class in the NW Balkan Peninsula. *Applied vegetation science*, 17(3), 591-603.
2. Marinšek, A., **Šilc, U.**, & Čarni, A. (2013). Geographical and ecological differentiation of *Fagus* forest vegetation in SE Europe. *Applied Vegetation Science*, 16(1), 131-147.
3. **Šilc, U.**, Vrbničanin, S., Božić, D., Čarni, A., & Stevanović, Z. D. (2009). Weed vegetation in the north-western Balkans: diversity and species composition. *Weed Research*, 49(6), 602-612.
4. **Šilc, U.**, & Čarni, A. (2005). Changes in weed vegetation on extensively managed fields of central Slovenia between 1939 and 2002. *Biologia*, 60, 4, 409-416.
5. **Šilc, U.**, Vreš B., Čelik T., Gregorič M. (2020). Biodiversity of Slovenia. *The Geography of Slovenia*. Springer, pp. 109-124.
6. **Šilc, U.**, Stešević D., Luković M., Caković D. (2020). Changes of a sand dune system and vegetation between 1950 and 2015 on Velika plaža (Montenegro, E Mediterranean). *Regional Studies in Marine Science* 35, 101139.