



Univerza v Mariboru



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Fakulteta za naravoslovje in
matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet: OKOLJSKO IZOBRAŽEVANJE

Course title: ENVIRONMENTAL EDUCATION

Študijski program in stopnja

Študijska smer

Letnik

Semester

Study programme and level

Study field

Academic year

Semester

| | | | |
|---|--|-------|-------|
| Ekologija z naravovarstvom, 1. stopnja | | 2 - 3 | 3 - 6 |
| Ecology with nature protection, 1st. degree | | 2 - 3 | 3 - 6 |

Vrsta predmeta / Course type

Izbirni / elective

Univerzitetna koda predmeta / University course code:

Predavanja

Seminar

Sem. vaje

Lab. vaje

Teren. vaje

Samost. delo

ECTS

Lectures

Seminar

Tutorial

Laboratory work

Field work

Individ. work

| | | | | | | |
|----|----|--|--|--|-----|-------|
| 15 | 30 | | | | 135 | 6/180 |
|----|----|--|--|--|-----|-------|

Nosilec predmeta / Lecturer:

Andrej Šorgo

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|-------------------|-------------------------------|-------------------|
| Jeziki / | Predavanja / Lectures: | Slovenski/slovene |
| Languages: | Vaje / Tutorial: | |

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

Ni obveznosti

Prerequisites:

No prerequisites

Vsebina:

- opredelitev okoljskega izobraževanja kot izobraževanja za trajnostni razvoj;
- velike in male teme okoljskega izobraževanja;
- zastavljanje ciljev;
- teorije izobraževanja;
- subjekti okoljskega izobraževanja;
- strategije okoljskega izobraževanja;
- načrtovanje okoljskih izobraževalnih aktivnosti;
- didaktična načela okoljskega izobraževanja;
- priprava izobraževalnih delavnic;
- priprava izobraževalnih gradiv;
- priprava predstavitev;
- tabori in ekskurzije;
- mentorstvo dejavnostim;
- e-izobraževanje;
- ovrednotenje izobraževalnih aktivnosti;
- študije primerov

Content (Syllabus outline):

- environmental education as education for sustainable development;
- big and small issues of environmental education;
- goals setting;
- educational theories;
- subjects of environmental education;
- strategies of environmental education;
- planning of environmental educational activities;
- didactic principles of environmental education;
- environmental workshops;
- environmental leaflets;
- how to prepare a presentation;
- summer-camps and excursions;
- mentorship to the activities;
- e-education;
- assesment of environmental activities;
- case studies

Temeljni literatura in viri / Readings:

Izbrana poglavja iz:

Handbook of Research on Science Education. Ed.Sandra K Abell, Norman G Lederman. 2007. Routledge.
International Handbook of Research on Environmental Education. 2012. Routledge

Cilji in kompetence:

Po opravljenem kurzu bo študent-ka:

- sposoben načrtovati različne oblike dejavnosti povezanih z okoljskim izobraževanjem;
- sposoben organizirati in izvesti različne oblike dejavnosti povezanih z okoljskim izobraževanjem;
- sposoben ovrednotiti različne oblike dejavnosti povezanih z okoljskim izobraževanjem;

Objectives and competences:

After the course a student should:

- be able to plan different kinds of activities connected with environmental education;
- be able to organize and lead different kinds of activities connected with environmental education;
- be able to asses different kinds of activities connected with environmental education;

Predvideni študijski rezultati:

Znanje in razumevanje:

- temeljnih predpostavk okoljskega izobraževanja;
- načel okoljskega izobraževanja;
- načrtovanja ciljev;
- faz načrtovanja okoljskega izobraževanja;
- strategij okoljskega izobraževanja;
- Zahtev uspešnega izobraževanja;
- ovrednotenja kakovosti izvedenega izobraževanja;
- ovrednotenje znanja.

Intended learning outcomes:

Knowledge and understanding of:

- Basics of environmental education;
- Principles of environmental education;
- Goal setting;
- Phases in planning of environmental educational activities;
- Strategies of environmental education;
- Basis of succesful environmental education;
- Assesment of quality of environmental education;
- Knowledge assesment.

Metode poučevanja in učenja:**Learning and teaching methods:**

| | |
|---|--|
| Predavanja; Seminar; Samostojno kritično preučevanje literature; Individualne konzultacije pri pripravi seminarske naloge. | Lectures; Semminaire; Individual critical reading of written sources; Individual consultations by the semminaire preparation. |
|---|--|

Delež (v %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

| | | |
|------------------------------|------|---------------------|
| Seminar in zagovor seminarja | 50 % | Defended semminaire |
| Ustni izpit | 50 % | Oral exam |

Reference nosilca / Lecturer's references:

- ŠORGO, Andrej, JAUŠOVEC, Norbert, JAUŠOVEC, Ksenija, PUHEK, Miro. The influence of intelligence and emotions on the acceptability of genetically modified organisms. *Electron. J. Biotechnol.*, 2012, vol. 15, no. 1, str. 1-11, doi: [10.2225/vol15-issue1-fulltext-1](https://doi.org/10.2225/vol15-issue1-fulltext-1). [COBISS.SI-ID [18875912](#)], [JCR]
- ŠORGO, Andrej, KAMENŠEK, Asja. Implementation of a curriculum for environmental education as education for sustainable development in Slovenian upper secondary schools. *Energy education science and technology. Part B, Social and educational studies*, 2012, vol. 4, iss. 2, str. 1067-1076. [COBISS.SI-ID [18644232](#)]
- ŠORGO, Andrej, ŠPERNJAK, Andreja. Practical work in biology, chemistry and physics at lower secondary and general upper secondary schools in Slovenia. *Eurasia*, 2012, vol. 8, no. 1, str. 11-19. http://www.ejmste.com/v8n1/EURASIA_v8n1_Sorgo.pdf. [COBISS.SI-ID [18982408](#)]
- ŠORGO, Andrej, USAK, Muhammet, AYDOGDU, M., KELES, Ozgul, AMBROŽIČ-DOLINŠEK, Jana. Biology teaching in upper secondary schools: comparative study between Slovenia and Turkey. *Energy education science and technology. Part B, Social and educational studies*, 2011, vol. 3, iss. 3, str. 305-314. [COBISS.SI-ID [17941000](#)], [WoS,]