



OPIS PREDMETA / SUBJECT SPECIFICATION

Predmet:	Izbrana poglavja iz okoljskega izobraževanja
Subject Title:	Selected Chapters of environmental education

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Doktorski študij Ekološke znanosti / Doctoral Study Ecological Sciences		Izbirni	

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. Vaje Lab. Work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
30	30		15		75	5

Nosilec predmeta / Lecturer:

Jeziki / Predavanja / Lecture:
Languages: Vaje / Tutorial:

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

Prerequisites:

Vsebina:

Contents (Syllabus outline):

- predmet okoljskega izobraževanja;
- družbeno-znanstvene teme
- didaktična načela okoljskega izobraževanja;
- načrtovanje okoljskih dejavnosti in operacionalizacija ciljev;
- metode okoljskega izobraževanja;
- oblike okoljskega izobraževanja;
- problemsko zasnovano izobraževanje
- uporaba učil in učnih sredstev;
- IKT v okoljskem izobraževanju;
- poučevanje v obšolskih dejavnostih;
- izobraževanje izven učilnice;
- varnost pri laboratorijskem in terenskem delu;
- akcijsko raziskovanje v okoljskem izobraževanju.
- preverjanje uspešnosti izvedenega izobraževanja
- predstavitve okoljskih vsebin.

- content of environmental education;
- socio-scientific issues;
- didactics principles of environmental education;
- planning of environmental activities and operationalization of goals;
- methods of environmental education
- forms of environmental education
- problem-based instruction;;
- usage of didactic materials and equipment;
- ICT in environmental education;
- teaching extracurricular activities;
- outdoor education;
- safety in laboratory and outdoor activities;
- action research in environmental education
- assessment of success in environmental education;
- presentations of environmental issues.

Temeljni študijski viri / Textbooks:

Atlas of science literacy. American Association for the Advancement of Science and National Science Teachers Association, Washington, D.C.(2001)

Centre for Environmental Research and Innovation (CERI) Interdisciplinarity and Environmental Education Paris (2005): CERI

Environmental Education. A module for Teacher Training. Scottish Environmental Education Council

Environmental Education - Guidelines for Excellence (2004) North American Association for Environmental

Education (NAAEE).

EUROPES ENVIRONMENT The Dobris Assessment, European Environment Agency, Copenhagen
Guidelines for Environmental Educators in Utah (2002). Utah Society for Environmental Education (USEE).

Natura 2000 (2005). Izzivi za kmetijstvo, gospodarstvo, razvoj podeželja in ohranjanje biotske pestrosti v Sloveniji, Zbornih referatov, Ljubljana,

Okoljska vzgoja kot medpredmetno področje v programih osnovne in srednjih šol (1997). Medpredmetna kurikularna komisija za okoljsko vzgojo, Ljubljana,

UNESCO - UNEP International Environmental Education Programme 2005

Handbook of research on science education / edited by Sandra K. Abell and. Mahwah, N.J. : Lawrence Erlbaum Associates, 2007.

Članki v revijah:

Okoljska vzgoja v šoli.

Journal of Environmental Education;

Vzgoja in izobraževanje za trajnostni razvoj

Cilji:

Po zaključku predmeta bo študent usposobljen za:

- načrtovanje in pripravo izobraževalnih dejavnosti s področja okoljskega izobraževanja;
- izvedbo izobraževanja po sodobnih didaktičnih načelih in metodah;
- obvladovanje tveganj in nevarnosti pri laboratorijskem in terenskem delu;
- rabo IKT pri pouku
- izvedbo akcijske raziskave
- predstavitev idej okoljskega izobraževanja.
- preverjanje uspešnosti okoljskega izobraževanja

Predvideni študijski rezultati:

Znanje in razumevanje:

- Načel in metod po katerih poteka uspešno okoljsko učenje in poučevanje.
- Vsebin, postopkov in procesov za kakovostno izpeljavo izobraževanja.
- Postopkov za vzdrževanje ustreznega učnega okolja in sredstev.
- Vlog in značilnosti izobraževalnih medijev
- Temeljnih načel in postopkov akcijskega raziskovanja
- Pomena vrednotenja lastnega in tujega dela.

Prenesljive/ključne spretnosti in drugi atributi:

Študent-ka se usposobi za:

- načrtovanje in pripravo okoljske dejavnosti v šoli, laboratoriju in izven prostorov šole;
- izvedbo izobraževanja po metodah in oblikah, ki ustrezajo zadanim ciljem in varnostnim standardom;
- preverjanje ter vrednotenje dela ;
- izvajanje družbeno-znanstvenih tem;
- uporabo ikt v poučevanju

Objectives:

After completing the course student will be able to:

- plan and prepare instructions and activities concerning environmental education;
- performance of environmental education according to the contemporary didactic principles and methods;
- manage risks and dangers of laboratory and outdoor activities;
- use ICT in instructions;
- to perform action research
- to present ideas in environmental education.
- to assess success of environmental activity.

Intended learning outcomes:

Knowledge and Understanding:

- Principles and methods of successful environmental learning and teaching.
- Contents, methods and processes for quality teaching.
- Methods and principles of maintaining learning environment and instructional equipment.
- When and how to use different instructional media.
- Basic principles of action research.
- Importance of assessment in environmental education.

Transferable/Key Skills and other attributes:

After completing the course student will be able to:

- plan and prepare teaching and learning of environmental activity in a classroom, laboratory or outdoor settings;
- instruct using appropriate teaching methods which correlate with teaching goals and security standards;
- assess and evaluate activities;
- plan and lead of socio-scientific themes and

- izvedbo akcijske raziskave.
- priprava prezentacije.

- activities;
- use ict in education
- perform action research.
- to prepare a presentation.

Metode poučevanja in učenja:

Learning and teaching methods:

- Predavanja
- Seminarско delo
- Laboratorijske vaje
- Individualno delo

- Lectures
- Seminary work
- Laboratory exercises
- Individual work

Načini ocenjevanja:

Delež (v %) /
Weight (in %)

Assessment:

- Seminarска naloga in zagovor
- Ustni izpit

50%
50%

- Seminar work and defence
- Oral examinatio

Materialni pogoji za izvedbo predmeta :

- Predavalnica
- Multimedija
- Laboratorij

Material conditions for subject realization

- Lecture hall
- Multimedia
- Laboratory

Obveznosti študentov:

(pisni, ustni izpit, naloge, projekti)

- Seminarска naloga
- Ustni izpit

Students' commitments:

(written, oral examination, coursework, projects):

- Seminar work
- Oral examination