

	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet	Ekologija
Course title	Ecology

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Vzgoja in menedžment v zdravstvu/2. stopnja	Ni smeri študija	2. letnik	I.
<i>Education and Management in Health Care / 2nd Cycle</i>		2 st year	I st

Vrsta predmeta/Course type izbirni / elective

Univerzitetna koda predmeta/University course code VMZ 2 IP UN 10

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
30		30			180	8

Nosilec predmeta/Lecturer: doc. dr. Vladka Lešer

Jeziki/ Languages: **Predavanja/Lectures:** slovenski/Slovenian
Vaje/Tutorial: slovenski/Slovenian

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

Vpis v drugi letnik študijskega programa.	A prerequisite for inclusion is enrolment in the first year of study.
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Vsebina: **Content (Syllabus outline):**

<ul style="list-style-type: none"> • Zdravstvena ekologija – opredelitev, zgodovina • Determinante zdravja naravnega okolja • Okoljske politike • Osnove ekologije • Metode dela v okoljski epidemiologiji • Osnove toksikologije • Ocenjevanje in obvladovanje tveganja 	<ul style="list-style-type: none"> • Health ecology - definition, history • Health determinants of the natural environment • Environmental policies • Basics of ecology • Methods of work in environmental epidemiology • Basics of toxicology • Risk assessment and risk management • Environmental health at the global level:
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<ul style="list-style-type: none"> • Okoljsko zdravje na globalnem nivoju: rast prebivalstva, podnebne spremembe, razvijajoče se države • Okoljsko zdravje na regionalnem nivoju: onesnaževanje ozračja, pridobivanje energije, zdrave soseske, pitna voda • Okoljsko zdravje na lokalnem nivoju: komunalni in nevarni odpadki, nadzor nad škodljivci in pesticidi, varnost hrane, varna delovna mesta, sevanja, poškodbe, okoljske nesreče, stik z naravo, otroci 	<p>population growth, climate change, developing countries</p> <ul style="list-style-type: none"> • Environmental health at the regional level: air pollution, energy generation, healthy neighborhoods, drinking water • Environmental health at the local level: municipal and hazardous waste management, pest control and pesticides, food security, safe jobs, radiation damage, environmental incidents, contact with nature, children
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Temeljna literatura in viri/Readings:

Obvezna

- Eržen, I., Gajšek, P., Hlastan Ribič, C., Kuček, A., Poljšak, B. in Zaletel Kragelj, L. (2010). *Zdravje in okolje: izbrana poglavja*. Maribor: Medicinska fakulteta. Dostopno na <http://www.mf.uni-lj.si/dokumenti/c45ea3361eb9cb90603c6961cb974c8f.pdf>.

Priporočena

- Frumkin, H. (ur.). (2010). *Environmental health: from global to local*. 2nd. ed. San Francisco: Jossey-Bass.
 - Prüss-Ustün, A., Wolf, J., Corvalán, C., Bos, R. in Neira, M. (2016). *Preventing disease through healthy environments: A global assesment of the burden of disease from environmental risks*. France: World Health Organisation. Dostopno na http://apps.who.int/iris/bitstream/10665/204585/1/9789241565196_eng.pdf?ua=1.
 - Puntarić, D., Miškulin, M. in Bošnjir, J. (2012). *Zdravstvena ekologija*. Zagreb: Medicinska naklada.
- Aktualni članki, ki obravnavajo zdravstveno ekološke probleme

Cilji in kompetence:

Učna enota prispeva predvsem k razvoju naslednjih splošnih in specifičnih kompetenc:

- celovito kritično mišljenje, sposobnost analize, sinteze in predvidevanja rešitev s področij zdravstvene nege, izobraževalnih, družboslovnih, humanističnih, organizacijskih, naravoslovno matematičnih ter drugih ved (interdisciplinarnost),
- sposobnost kreativne uporabe znanja v strokovnem/poslovnem okolju,
- poznavanje in razumevanje procesov v strokovnem/poslovnem okolju ter usposobljenost za njihovo analizo, sintezo in predvidevanje rešitev oz. posledic,

Objectives and competences:

The learning unit mainly contributes to the development of the following general and specific competences:

- an overall critical thinking, the ability to analyze, synthesise and anticipate solutions in the fields of health care, education, social sciences, humanities, organizational, science, mathematics and other sciences (interdisciplinary)
- The ability to use creative skills in a professional / business environment,
- Knowledge and understanding of the processes in a professional / business environment and the ability for analysis, synthesis and prediction of solutions or implications

<ul style="list-style-type: none"> • aktivno promoviranje zdravja, ocenjevanje tveganja in skrb za varnost ljudi, • poznavanje poslanstva zdravstvene ekologije in njenega zgodovinskega razvoja, • poznavanje dejavnikov, ki vplivajo na zdravje človeka ter razumevanje njihovega medsebojnega delovanja • poznavanje osnovnih metod okoljske epidemiologije, • poznavanje procesa ocenjevanja in obvladovanja tveganja do te mere, da lahko pri ocenjevanju tveganja in pri uporabi ocene tveganja uspešno sodelujejo, • poznavanje sodobnih okoljskih problemov na globalnem, regionalnem in lokalnem nivoju, • usposobljenost za prenos teoretičnega znanja v prakso pri reševanju posameznih zdravstvenih problemov povezanih z onesnaženostjo okolja in drugih okoljskih problemov. 	<ul style="list-style-type: none"> • active promotion of health, risk assessment and concern for the safety of people, • Knowledge of the mission of environmental health and its historical development, • knowledge of factors that affect the health of humans and understanding their interaction • Knowledge of basic methods of environmental epidemiology, • Knowledge of the process of risk assessment and risk management to the extent that allows active participation of students in assessing risks, • Knowledge of modern environmental problems at the global, regional and local level, • ability to transfer theoretical knowledge into practice in addressing specific health problems associated with pollution and other environmental problems.
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Predvideni študijski rezultati:

Študent/študentka:

Predvideni študijski dosežki

Študent/študentka:

- Pozna poslanstva zdravstvene ekologije in njen zgodovinski razvoj.
- Pozna dejavnike iz okolja, ki vplivajo na zdravje človeka ter razume njihovo medsebojnega delovanje.
- Pozna sodobne okoljske probleme na globalnem, regionalnem in lokalnem nivoju.
- Pozna osnovne metode dela v zdravstveni ekologiji.
- Se usposobi za sodelovanje pri izdelavi ocene tveganja in pri njeni uporabi.
- Se usposobi za reševanje posameznih zdravstvenih problemov povezanih z onesnaženostjo okolja in drugih okoljskih problemov.

Intended learning outcomes:

Knowledge and understanding:

Student:

- knows mission of environmental health and its historical development.
- knows the environmental factors that affect human health and understand their interaction.
- knows late contemporary environmental issues at the global, regional and local level.
- is familiar with the basic methods of work in environmental health.
- is able to participate in making a risk assessment and in its application.
- is able to search solutions for specific health problems associated with pollution and other environmental problems.

Metode poučevanja in učenja:

- *predavanja* z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov),
- *vaje*: priprava, predstavitev in uspešen zagovor projektne/raziskovalne naloge (reševanje problemov, študije primera, kritično presojanje, diskusija, refleksija izkušenj, vrednotenje, projektno delo, timsko delo).

Learning and teaching methods:

- *lectures* with active student participation (explanation, discussion, questions, examples, problem solving);
- *tutorial*: preparation, presentation and a successful defence of a project paper (problem solving, case studies with discussion, methods of critical thinking, reflection of experience, evaluating, project work, team work).

Načini ocenjevanja:

- 100 % udeležba na predavanjih in vajah: priprava, predstavitev in zagovor raziskovalne naloge – 100 % ocene;
- če študent ni 100 % udeležen na predavanjih in vajah:
 - izpit – 60 % ocene,
 - priprava, predstavitev in zagovor raziskovalne naloge – 40 % ocene.

Ocenjevalna lestvica: ECTS.

Delež (v %)

Weight (in %)

100%

60 %

40 %

Assessment:

- 100% participation in lectures and tutorial: preparation, presentation and defence of the research paper – 100% of the final grade;
- if students do not have the 100% participation in lectures and tutorial:
 - exam – 60%
 - preparation, presentation and defence of the research paper – 40%

Grading scheme: ECTS.