

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Zdravstvena ekologija
Course title:	Health Ecology

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Edukacija in menedžment v zdravstvu – 3. stopnja, doktorski program	/	2.	3.
<i>Education and Management in Health Care- 3rd cycle</i>	/	2 nd	3 rd

Vrsta predmeta / Course type obvezni/obligatory

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
45	45	0	0	0	285	15

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:

Vpis v drugi letnik študijskega programa.

Prerequisites:

Enrolment in the second year of the study programme.

Vsebina:

- Zdravstvena ekologija – opredelitev, zgodovina.
- Determinante zdravja naravnega okolja.
- Okoljske politike.
- Osnove ekologije.
- Metode dela v okoljski epidemiologiji.
- Osnove toksikologije.
- Ocenjevanje in obvladovanje tveganja.
- 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.

Content (Syllabus outline):

- Health ecology - definition, history.
- Determinants of environmental health.
- Environmental policies.
- Basics of ecology.
- Methods of work in environmental epidemiology.
- Basics of toxicology.
- Risk assessment and management.
- Environmental health at global level: population growth, climate change, developing countries.
- Environmental health at regional level: atmospheric pollution, energy production, healthy neighborhoods, drinking water.
- Environmental health at local level: municipal and hazardous waste, pest and pesticide control, food

- 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.

safety, safe jobs, radiation, injuries, environmental disasters, contact with nature, children.

Temeljni literatura in viri / Readings:

- Eržen, I., Gajšek, P., Hlastan Ribič, C., Kukec, 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>.
- 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:

- poznavanje poslanstva zdravstvene ekologije in njenega zgodovinskega razvoja,
- poznavanje dejavnikov, ki vplivajo na zdravje človeka ter razumevanje njihovega medsebojnega delovanja,
- sposobnost uporabe 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.

Objectives and competences:

- knowledge of the mission of health ecology and its historical development,
- knowledge of the factors that affect human health and understanding of their interactions,
- ability to use basic methods of environmental epidemiology,
- knowledge of the risk assessment and management process to the extent that they can successfully participate in the risk assessment and the use of the risk assessment;
- knowledge of contemporary environmental issues at global, regional and local level;
- ability to translate theoretical knowledge into practice in solving individual health problems related to environmental pollution and other environmental problems.

Predvideni študijski rezultati:

Študent:

- osvoji znanje o dejavnikih iz okolja, njihovem medsebojnem delovanju in vplivih na zdravje ljudi,
- pozna osnovne metode dela v zdravstveni ekologiji in zna nekatere od njih uporabiti za ocenjevanje vplivov okolja,
- je sposoben sodelovati pri izdelavi ocene tveganja in pri njeni uporabi,

Intended learning outcomes:

Students:

- acquire knowledge of environmental factors, their interactions and impacts on human health,
- knows basic methods of working in health ecology and can use some of them to evaluate environmental impacts,
- is able to participate in the preparation of the risk assessment and its application,

- je sposoben sodelovati pri reševanju posameznih zdravstvenih problemov povezanih z onesnaženostjo okolja in drugih okoljskih problemov.

- is able to work together to solve individual health problems related to environmental pollution and other environmental problems.

Metode poučevanja in učenja:

- predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov),
- seminarji:
 - študij primera, delavnice, igre vlog (pro in kontra)
 - načrt za raziskovalno-projektno delo,
 - izvedba raziskave (voden individualni študij),
 - izdelava, predstavitev in zagovor raziskovalne naloge.
- konzultacije (individualne in kolektivne).

Learning and teaching methods:

- lectures with active student participation (explanation, discussion, questions, examples, problem solving),
- seminars:
 - case study, workshops, role play (pro et contra)
 - a plan for research-project work,
 - research implementation (guided individual study),
 - preparation, presentation and defence of the research paper.
- consultations (individual and group);

Delež (v %) /
Weight (in %)

Načini ocenjevanja:

Assessment:

<p>Načini:</p> <ul style="list-style-type: none"> • aktivno sodelovanje v organiziranih oblikah pedagoškega dela, • temeljna ali aplikativna raziskovalna naloga z zagovorom (obseg 30.000 znakov) - 100 % ocene. <p>Ocenjevalna lestvica: uspešno, neuspešno.</p>		<p>Types:</p> <ul style="list-style-type: none"> • active cooperation in the organised forms of study work, • fundamental or applicative research paper with defence (30,000 characters) - 100 % of the final grade. <p>Grading scale: pass, fail</p>
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