

	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet	Okolje in zdravje
Course title	<i>Environment and Health</i>

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	3.
<i>Education and Management in Health Care / 2nd Cycle</i>	No study field	2 nd year	3 rd

Vrsta predmeta/Course type izbirni / elective

Univerzitetna koda predmeta/University course code VMZ2 IP UN 1

Predavanja	Seminar	Sem. vaje	Lab. vaje	Teren. vaje	Samost. delo	ECTS
Lectures	Seminar	Tutorial	Laboratory work	Field work	Individ. work	
25		30			155	7

Nosilec predmeta/Lecturer:

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

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisites:
<ul style="list-style-type: none"> • Vpis v drugi letnik študijskega programa. • Študent mora pred izpitom pripraviti in predstaviti ter zagovarjati projektno/raziskovalno nalogo. 	<ul style="list-style-type: none"> • A prerequisite for inclusion is enrolment in the second year of study. • Student has to prepare, present and defend a project/research paper before the exam.

Vsebina:	Content (Syllabus outline):
<ul style="list-style-type: none"> • <i>Zdravstvena ekologija.</i> Opredelitev. Zgodovina. • <i>Determinante zdravja naravnega okolja.</i> • <i>Okoljske politike.</i> • <i>Osnove ekologije.</i> • <i>Metode dela v okoljski epidemiologiji.</i> • <i>Osnove toksikologije.</i> • <i>Ocenjevanje in obvladovanje tveganja.</i> • <i>Okoljsko zdravje na globalnem nivoju.</i> Rast prebivalstva. Podnebne spremembe. Razvijajoče se države. 	<ul style="list-style-type: none"> • <i>Health Ecology.</i> Definition. History. • <i>Health determinants of the natural environment.</i> • <i>Environmental policies.</i> • <i>Basics of ecology.</i> • <i>Methods of working in environmental epidemiology.</i> • <i>Basics of toxicology.</i> • <i>Risk assessment and management.</i> • <i>Environmental Health at the global level.</i> Population growth. Climate change. Developing countries.

<ul style="list-style-type: none"> • <i>Okoljsko zdravje na regionalnem nivoju.</i> Onesnaževanje ozračja, pridobivanje energije, zdrave soseske, pitna voda. • <i>Okoljsko zdravje na lokalnem nivoju.</i> Komunalni in nevarni odpadki. Nadzor nad škodljivci in pesticidi. Varnost hrane. Varna delovna mesta. Sevanja. Poškodbe. Okoljske nesreče. Stik z naravo. Otroci. 	<ul style="list-style-type: none"> • <i>Environmental Health at the regional level.</i> Atmospheric pollution. Energy generation. Healthy neighborhoods. Drinking water. • <i>Environmental Health at the local level.</i> 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:

Temeljna literatura/Basic literature

- Eržen, I., Gajšek, P., Hlastan Ribič, C., Kukec, A., Poljšak, B. in Zaletel Kragelj, L. (2010). *Zdravje in okolje: izbrana poglavja*. Maribor: Medicinska fakulteta.

Priporočljiva literatura/Recommended literature

- 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. Pridobljeno 10. 7. 2016, s http://apps.who.int/iris/bitstream/10665/204585/1/9789241565196_eng.pdf?ua=1.
- Puntarić, D., Miškulin, M. in Bošnir, 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:

- povezovanje znanja interdisciplinarnih strokovnih področij, usvajanje novega znanja na področju holistične in k pacientu usmerjene zdravstvene in socialne oskrbe,
- sposobnost celovitega kritičnega mišljenja, prepoznavanje problemov, sposobnost analize in razumevanja procesov reševanja ter predvidevanja rešitev oziroma posledic in avtonomnega odločanja,
- ozaveščenost o nujnosti lastnega izpopolnjevanja, dopolnjevanja, poglobljanja in posodabljanja znanja ter skrb za informiranost,

Objectives and competences:

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

- integrate knowledge of interdisciplinary fields of expertise, the acquisition of new knowledge in the field of holistic and patient-oriented health and social care,
- the ability to comprehensive critical thinking, problem recognition, the ability to analyze and understand the processes of solving and foresight solution or consequences and autonomous decision-making,
- awareness of the necessity of their own training, supplementation, deepening and upgrading of knowledge and concern for informed,

<ul style="list-style-type: none"> • usposobljenost za izbiro in uporabo ustreznih kvalitativnih in kvantitativnih raziskovalnih metod ter interpretiranje in kritično vrednotenje izsledkov kvalitativnih in kvantitativnih raziskav, • obvladovanje raziskovalnih metod, postopkov, procesov in tehnologij, ter usposobljenost za prezentacijo in implementacijo raziskovalnih dokazov, • usposobljenost za raziskovalno delo in aktivno sodelovanje v aplikativnih raziskovalnih projektih, • usposobljenost za prepoznavanje in opredelitev aktualnih in potencialnih problemov ter obvladovanje mehanizmov reševanja. 	<ul style="list-style-type: none"> • qualifications for the selection and use of appropriate qualitative and quantitative research methods and interpretation and critical evaluation of the results of qualitative and quantitative research, • mastering research methods, procedures, processes and technologies, and the qualifications for the presentation and implementation of research evidence, • ability to research and actively participate in applied research projects, • ability to identify and define current and potential problems and coping mechanisms to solve.
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Predvideni študijski rezultati:

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:

Students:

- know mission of environmental health and its historical development.
- know the environmental factors that affect human health and understand their interaction.
- late contemporary environmental issues at the global, regional and local level.
- is familiar with the basic methods of work in environmental health.
- are able to participate in making a risk assessment and in its application.
- are able to solve 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),
- *seminarske vaje:* priprava, predstavitev in uspešen zagovor projektne/raziskovalne naloge,
- *konzultacije.*

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/research paper,
- *consultations.*

Načini ocenjevanja:	Delež (v %) Weight (in %)	Assessment:
<p>Načini:</p> <ul style="list-style-type: none"> • 100 % udeležba na predavanjih in vajah: priprava, predstavitev in zagovor projektne/raziskovalne naloge – 100 % ocene; • če študent ni 100 % udeležen na predavanjih in vajah: <ul style="list-style-type: none"> - izpit – 60 % ocene, - priprava, predstavitev in zagovor projektne/raziskovalne naloge – 40 % ocene. <p>Ocenjevalna lestvica: ECTS.</p>	<p>100 %</p> <p>ali / or</p> <p>60 %</p> <p>40 %</p>	<p>Types:</p> <ul style="list-style-type: none"> • 100 % attendance at lectures and tutorials: preparation, presentation and defence of project/research paper – 100 % of the grade; • if the students' attendance at lectures and tutorials is not 100%: <ul style="list-style-type: none"> - exam - 60% of the grade, - preparation, presentation and defense of the project/research paper – 40% of the grade. <p>Grading scheme: ECTS.</p>