

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	Človek in vplivi okolja na zdravje
Subject Title:	A man and the environmental impact to the man's health

Študijski program Study programme	Letnik Year	Semester Semester
Varstvo okolja in ekotehnologije	2	2 ali 3

Predavanja Lectures	Sem. vaje Tutorial	Lab. vaje Lab. work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
20	15	15		130	6

Nosilec predmeta / Lecturer: prof. dr. Ivan Eržen / Ivan Eržen, Ph.D., Full Prof.

Jeziki / SL Languages:	Predavanja / Lectures:	20
	Vaje / Tutorial:	30

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

Pogojev ni.

Prerequisites:

None.

Vsebina:

V okviru predmeta **Človek in vplivi okolja na zdravje** bodo študenti spoznali zgodovinski razvoj ter pomen in vpliv družbenega okolja za razvoj tega področja. Predstavljen bo pomen medsebojnega ravnovesja med okoljem, osebami in posameznimi dejavniki, ki vplivajo na zdravje. Seznanili se bodo z različnimi adaptacijskimi mehanizmi. V okviru predmeta bodo prikazni najpomembnejšimi dejavniki tveganja v bivalnem okolju. Spoznali bodo nekatere primere škodljivega delovanja dejavnikov bivalnega okolja na zdravje. Seznanili se bodo s temeljnimi načini ukrepanja na področju zmanjševanja delovanja škodljivih dejavnikov v okolju.

Content (Syllabus outline):

The course **Human and environmental health impact** will introduce students to the historical development of the discipline. The interrelationship between environment, individuals and risk factors will be presented. Special emphasis will be given to different levels of adaptation. Main risk factors in living environment will be presented as well. The study the students will learn about different case studies where the health was impaired because of exposure to hazardous factors in environment. Students will become aware of importance of introduction of effective measures for ensuring healthy living environment. The students will get an overview of basic measures that are introduced from the side of government in order to reduce exposure in the environment.

Temeljni literatura in viri / Textbooks:

- Yassi A et al. Basic Environmental Health. Oxford University Press 2001
- M. Bilban, Medicina dela, Zavod za varstvo pri delu, Ljubljana, 1999.
- Eržen I. Povzetek predavanj okoljske medicine. Ljubljana: Visoka šola za zdravstvo, Oddelek za sanitarno inženirstvo, 2003
- Čakš T et al. Priročnik iz higijene, Inštitut za higieno, MF Ljubljana 2002
- Rudi Čajavec et al. Medicina dela, prometa in športa, Priročnik, Celje 2002.
- Coggon C. et al. National Integrated Programmes on Environment and Health. WHO 1993
- <http://themes.eea.eu.int/>
- <http://www.sigov.si/mop/>
- <http://www.epa.gov/epahome/resource.htm>

Cilji:

Študentke in študenti bodo spoznali vplive širšega in ožjega bivalnega okolja na človekovo zdravje, bodisi v dobrem-pozitivnem, bodisi v slabem-negativnem smislu. Cilj predmeta je približati razumevanje pomena zagotavljanja osnovnih predpogojev za zdravo okolje. Namen predmeta je tudi študentom pomagati razumeti specifične metode dela pri odkrivanju in obvladovanju škodljivosti v okolju.

Objectives:

Students should know the importance and influence of living environment to the health of an individual. The specific objective is to help students to understand the importance of ensuring all basic requirements for healthy environment. Further on the subject aims to improve the theoretical knowledge on specific methods and approaches usually applied in order to identify and manage risk factors in the environment.

Predvideni študijski rezultati:

Znanje in razumevanje:

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Študentke in študenti bodo:

- poznali pomen in vlogo okoljske medicine in medicine dela v zgodovini in sedanjosti,
- poznali pristope, probleme in rešitve pri pridobivanju podatkov za raziskave v okviru okoljske medicine in medicine dela,
- sposobni opraviti osnovno oceno tveganja ob upoštevanju različnih načinov izpostavljenosti škodljivim dejavnikom,
- poznali vrste in obseg problemov v okviru okoljske medicine in medicine dela v Sloveniji in v svetu,

poznali osnovne pristope in ukrepe za obvladovanje problemov v okviru okoljske medicine in medicine dela.

Prenesljive/ključne spretnosti in drugi atributi:

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Študentke in študenti bodo:

- s pridobljenim znanjem in veščinami lahko sodelovali pri ugotavljanju razširjenost zdravstvenih problemov in stanj, povezanih z negativnimi dejavniki v delovnem in bivalnem okolju ter pri proučevanju vzroke zanje, iskanju ukrepov za obvladovanje posledic ter pri ocenjevanju učinkovitost teh ukrepov,
- usposobljeni za interdisciplinarni pristop, načrtovanje in celovito obvladovanje procesov na področju zagotavljanja zdravega delovnega in bivalnega okolja,
- usposobljeni za pridobivanje informacij na področju okoljske medicine in medicine dela s pomočjo spleta, literature in drugih virov

Intended learning outcomes:

Knowledge and Understanding:

Knowledge and Understanding:

On the completion of this course the student will:

- understand the importance and role of environmental and occupational medicine in the past and present situation,
- know basic approaches, problems and solutions in collecting relevant data in environmental and occupational medicine,
- able to conduct a risk assessment process considering different routes and intensity of exposure,
- be familiar with main problems in environmental and occupational medicine in Slovenia,

will know basic approaches and measures in management of problems in environmental and occupational medicine.

Transferable/Key Skills and other attributes:

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The students will:

- be able to recognize and understand approaches and problems in conducting assessment of public health problems arising due to exposure to negative risk factors in working and living environment,
- be able to work in a multidisciplinary team in the process of planning and conducting a comprehensive process for ensuring healthy working and living environment,
- capable for gathering data and information in the field of environmental and occupational medicine from the web and different other credible sources.

podatkov in informacij ter za timsko delo.

Metode poučevanja in učenja:

Predavanja, seminarji, študij primerov, diskusije, nastopi, delo v manjših skupinah, reševanje konkretnih problemov, individualne naloge.

Learning and teaching methods:

Lectures, seminars, case study, student's presentations, small group work, consultations, team work, individual work.

Načini ocenjevanja:

Način (pisni izpit, ustno izpraševanje, naloge, projekt)

Pisni izpit in seminar, ki se ocenita z ocenjevalno lestvico od 5 (nezadostno) do 10 (odlično)

- seminar 30%
- pisni izpit 70%

Delež (v %) /

Weight (in %)

Assessment:

Type (examination, oral, coursework, project):

Written examination, seminar- grade span from 5 (insufficient) to 10 (excellence)

- Seminar 30%
- Written exam 70%

Materialni pogoji za izvedbo predmeta :

- Predavalnica z videoprezentacijsko opremo, urejenim dostopom do interneta (po možnosti brezžični dostop) in možnost dela v manjših skupinah (5-8) oseb.

Material conditions for subject realization:

- Lecture room with equipment for videopresentation and internet access (wireless), possibility for working in small groups

Obveznosti študentov:

(pisni, ustni izpit, naloge, projekti)

- prisotnost na predavanjih, seminarjih in vajah
- izdelava seminarske naloge (opredelitev realnih zdravstveno ekoloških problemov ter načinov reševanja),
- pisni izpiti.

Student's commitments:

(written, oral examination, coursework, projects):

- Active presence during lectures, seminars and exercises
- seminar
- Written exam