

	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet	Epidemiologija
Course title	<i>Epidemiology</i>

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Zdravstvena nega / 2. stopnja	Ni smeri študija	1. / 2. letnik	2. / 3.
Nursing Care / 2 nd Cycle	No study field	1 st / 2 nd year	2 nd / 3 rd

Vrsta predmeta/Course type izbirni / elective

Univerzitetna koda predmeta/University course code 2ZN 1_2 IP8

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: izr. prof. dr. Alenka Kraigher

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 prvi ali 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 first or 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"> Epidemiologija kot temeljna in aplikativna veda. Izvor podatkov in uporaba v epidemiologiji: demografski podatki, registri, sistemi prijavljanje, presejanje, študije in drugi viri podatkov. Tipične vrste preučevanj v okviru deskriptivne in analitične epidemiologije. Epidemiološko pomembne nalezljive bolezni in značilnosti povzročiteljev nalezljivih bolezni. 	<ul style="list-style-type: none"> Epidemiology as a basic and applied science. The origin of the data and application in epidemiology: demographic information, registers, notification systems, screening, studies and other data resources. Typical types of study within the framework of descriptive and analytic epidemiology. Epidemiologically important infectious diseases and characteristics of the pathogens of infectious diseases.

<ul style="list-style-type: none"> • Epidemiologija nalezljivih bolezni z vidika poti širjenja, virov okužbe, agensa, dovzetnosti gostitelja. • Opredelitev pojmov: kopičenje, izbruh, epidemija, pandemija nalezljivih bolezni. • Mednarodni sistemi obveščanja in odzivanja. • Seznanitev s splošnimi in posebnimi preventivnimi in protiepidemijskimi ukrepi in zdravstvenovzgojnimi pristopi. 	<ul style="list-style-type: none"> • Epidemiology of infectious diseases from the perspective of the spread of infection path, sources of infection, agent, the susceptibility of the host. • Definitions: accumulation, outbreak, an epidemic, a pandemic of infectious diseases. • International notification, warning and response systems. • Familiarisation with general and specific preventive and anti-epidemic and health-educational approaches.
---	--

Temeljna literatura in viri/Readings:

Temeljna literatura/Basic literature

- Zaletel-Kragelj, L., Eržen, I. in Premik, M. (2011). *Uvod v javno zdravje*. Ljubljana: Medicinska fakulteta, Katedra za javno zdravje.
- Zaletel-Kragelj, L. in Eržen, I. (2010). Cross-sectional studies. V: Zaletel-Kragelj, L. (ur.), Božikov, J. (ur.). *Methods and tools in public health: a handbook for teachers, researchers and health professionals*. Lage: H. Jacobs, str. 309- 332.
- Zaletel-Kragelj, L. in Eržen, I. (2010). Ecological studies: basic principles. V: Zaletel-Kragelj, L. (ur.), Božikov, J. (ur.). *Methods and tools in public health: a handbook for teachers, researchers and health professionals*. Lage: H. Jacobs, , str. 289-308.
- Tomažič, J. in Strle, F. (2017). *Infekcijske bolezni*. Ljubljana: Združenje za infektologijo, Slovensko zdravniško društvo.

Priporočljiva literatura/Recommended literature

- Oxford Textbook of Global Public Health (7 edn) Roger Detels (ed.), Quarraisha Abdool Karim (ed.), Fran Baum (ed.), Liming Li (ed.), Alastair H Leyland (ed.) Publisher:Oxford University Press. Published: November 2021. Dostopno na <https://doi.org/10.1093/med/9780198816805.001.0001>.

Cilji in kompetence:

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

- razumevanje osnov epidemiologije oziroma uporabe epidemioloških metod in uporaba osnovnega znanja o epidemioloških značilnostih nalezljivih bolezni ter obvladovanje problemov, pomembnih za javno zdravje,
- usposobljenost za iskanje in uporabo znanstvenih spoznanj stroke in prepoznavanje ključnih vprašanj ter identificiranje možnih odgovorov,

Objectives and competences:

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

- understanding the basics of epidemiology or the application of epidemiological methods, and using the basic knowledge of the epidemiological characteristics of infectious diseases as well as managing problems important for public health,
- the ability to search and use the scientific finding of the expertise, to identify key issues and possible solutions,

<ul style="list-style-type: none"> • usposobljenost za odločanje, podprto z znanstvenimi dokazi in usposobljenost za uporabo teoretičnih spoznanj v praksi, • motiviranost za nenehno pridobivanje novega znanja na področju, kjer so spremembe hitre in nepričakovane, • sposobnost pridobljeno znanje uporabiti na drugih področjih in prilagoditi se sodelovanju v interdisciplinarnih skupinah, • usposobljenost za samostojen študij, razumevanje in oblikovanje zdravstvenovzgojnih pristopov za reševanje problemov s področja izbranih nalezljivih bolezni. 	<ul style="list-style-type: none"> • being qualified for decision-making, supported by scientific evidence and the competence to use theoretical knowledge in practice, • motivation to continually gain new knowledge in the field, where changes are rapid and unexpected, • the ability to apply the gained knowledge to other areas and to adapt to participation in interdisciplinary groups, • being qualified for independent study, understanding, and designing health-education approaches to solve issues in the area of selected infectious diseases.
---	---

Predvideni študijski rezultati:

Študent/študentka:

- razume pomen epidemiologije,
- se usposobi za pravilno vrednotenje podatkov, s katerimi razpolagajo,
- se seznanijo s posebnostmi področja epidemiologije nalezljivih bolezni,
- osvoji možne načine prenosa, poti širjenja in posledice izbranih nalezljivih bolezni z vidika oblikovanja zdravstvenovzgojnih aktivnosti,
- osvoji pomen determinant nalezljivih bolezni,
- se seznanijo z obravnavo izbruha, posameznega primera in kopičenja skupka izbranih nalezljivih bolezni.

Intended learning outcomes:

Students:

- understands the significance of epidemiology,
- are qualified for the proper evaluation of the available data,
- acquaint themselves with the particularities of the field of epidemiology of infectious diseases,
- gain knowledge about possible ways of transmission, spread paths and consequences of selected communicable diseases from the aspect of developing health-educational activities,
- gain knowledge about the importance of determinants of infectious diseases,
- get acquainted with the case of an outbreak and the accumulation of a set of selected infectious diseases.

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:
Načini: <ul style="list-style-type: none"> • izpit • izdelava, predstavitev in zagovor projektne/raziskovalne naloge Ocenjevalna lestvica: ECTS.	50 % 50 %	Types: <ul style="list-style-type: none"> • exam • preparation, presentation and defence of the project/research paper Grading scheme: ECTS.