

<b>UČNI NAČRT PREDMETA / COURSE SYLLABUS</b>												
<b>Ime predmeta:</b>	Infekcijske bolezni											
<b>Course title:</b>	Infectious diseases											
<b>Študijski program in stopnja</b> <b>Study programme and cycle</b>		<b>Študijska smer</b> <b>Study option</b>		<b>Letnik</b> <b>Year of study</b>	<b>Semester</b> <b>Semester</b>							
Splošna medicina, enovit magistrski študijski program				Peti	9.							
General medicine, Uniform master's degree study program				Fifth	9th							
<b>Vrsta predmeta (obvezni ali izbirni) /</b> <b>Course type (compulsory or elective)</b>		obvezni compulsory										
<b>Univerzitetna koda predmeta / University course code:</b>												
<b>Predavanja</b> <b>Lectures</b>	<b>Seminar</b> <b>Seminar</b>	<b>Vaje</b> <b>Tutorial</b>	<b>Klinične vaje</b> <b>Clinical training</b>	<b>Druge oblike študija</b> <b>Other forms of study</b>	<b>Samost. delo</b> <b>Individual work</b>	<b>ECTS</b>						
15	30	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>AV</td> <td>LV</td> <td>RV</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	AV	LV	RV				15		60	4
AV	LV	RV										
<b>Nosilec predmeta / Course coordinator:</b>		doc.dr. Nina Gorišek Miksić, dr. med.										
<b>Jeziki /Languages:</b>	<b>Predavanja / Lectures:</b> slovenski/slovene <b>Vaje / Tutorial:</b> slovenski/slovene											
<b>Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:</b>	<b>Prerequisites for enrolling in the course or for performing study obligations:</b>											
<b>Vsebina (kratki pregled učnega načrta):</b> Uvod v infekcijske bolezni, klinični in laboratorijski znaki vnetja. Bakterijske okužbe: stafilocokne, streptokokne, pertusis, tetanus, botulizem, davica, leptospirose, lymfska borelioza. Virusne okužbe, ki jih povzročajo: enterični virusi, respiratorni sincijski virusi, adenovirusi, herpes virusi, varicela-zoster virus, citomegalovirus, Epstein-Barr virus, virus influence in parainfluence, virusi hepatitis, ošpice, rdečke, exanthema subitum, exanthema infectiosum, AIDS, klamidijske okužbe, rikectioze. Parazitarne bolezni: trihinelzoza, malarija, tripanosomiaza. Zoonoze: antraks, brucelzoza, lišmanioza, tularemija. Bolezenski sindromi: bakterijski meningitisi, serozni meningitisi, encefalitisi, bakterijske in atipične pljučnice, črevesne okužbe,						<b>Content (syllabus outline):</b> Introduction to infectious diseases, clinical and laboratory signs of inflammation. Bacterial infections: staphylococcal, streptococcal, pertusis, tetanus, botulism, diphtheria, leptospirosis, Lyme boreliosis. Viral infections cause by enteroviruses, sintitial respiratory viruses, adenoviruses, herpes viruses, varicella-zoster virus, cytomegalovirus, Epstein-Barr virus, influenza and parainfluenza virus, hepatitis, rubella, rubella, exanthema subitum, exanthema infectiosum, AIDS; chlamidia, rickettsia infections. Parasitic infestations: trihinellosis, malaria, trypanosomiasis. Zoonoses: anthrax, brucellosis, leishmaniosis, tularemia. Disease syndroms: bacterial meningitis, serous meningitis, encephalitis, bacterial and						

hemoragične mrzlice, nejasna vročinska stanja, sepsa, izpuščajne bolezni, sindrom utrujenosti.

Tematsko posodabljanje predavanj zahteva dodatek ali razširitev poglavij s spoznanji o vse bolj aktualnih infektih (okužbe pri imunsko oslabljenih osebah, transplantirancih, nosilcih umetnih materialov, bolnišnične okužbe, okužbe v tropskih razmerah oz. na potovanjih, bioterorizem).

Novo poglavje: pandemija covid-a-19, narava bolezni, klinični potek, zdravljenje, zapleti. Preprečevanje in ukrepi za zamejevanje covid-a-19. Spoznavanje novih cepiv na področju preprečevanja covid-a-19.

#### Infektologija za odrasle bolnike

Študent mora spoznati in obvladati diagnostični in terapevtski pristop pri bolniku s sumom na infekcijsko bolezen oziroma pri vročičnem bolniku, spoznati mora značilnosti okužb glede na prizadeti organski sistem (npr. okužb osrednjega živčevja, dihal, prebavil, sečil, spolovil, mišic, kosti in sklepov, kože in podkožja), značilnosti nekaterih bolezni oziroma bolezenskih stanj (npr. virusni hepatitis, AIDS, lymska borelioza, infekcijski endokarditis, sepsa, septični šok, pogostejše tropске bolezni), značilnosti okužb pri bolnikih z ohranjeno ali okvarjeno imunostjo in/ali vgrajenimi umetnimi materiali, ukrepe za preprečevanje nalezljivih bolezni, doktrino racionalne uporabe antibiotikov, protivirusnih, protiglavčnih in protiparazitnih zdravil, kakor tudi pristope za odkrivanje, dokazovanje, zdravljenje in preprečevanje bolnišničnih okužb.

Študent mora poznati problematiko pandemije covid-a-19, obravnavo bolnika s covid-19, uporabo zaščitne opreme in poznavanje ukrepov za preprečevanje širjenja.

#### Pediatrična infektologija

Študent spozna značilnosti in osvoji znanje o etiologiji, epidemiologiji, kliničnih simptomih in znakih, zdravljenju in preprečevanju okužb pri otrocih v različnih starostnih obdobjih. Usposobi se tudi za interpretacijo rezultatov laboratorijskih testov, še posebno tistih, ki se razlikujejo od ugotovitev pri odraslih bolnikih.

#### Intenzivna in urgentna infektologija

Študent se seznani s prepoznavanjem, diagnostiko in zdravljenjem akutnih infekcijskih bolezni, ki ogrožajo življenje in ki potrebujejo intenzivno zdravljenje, kakor tudi s preprečevanjem okužb in pravili bolnišnične higiene na oddelku za intenzivno terapijo.

Sklopi naslovnih tem predavanj:

atypical pneumoniae, intestinal infections, hemorrhagic fever, unexplained fever conditions, sepsis, cutaneous rash, fatigue syndrome.

{0} Tematsko posodabljanje predavanj zahteva dodatek ali razširitev poglavij s spoznanji o vse bolj aktualnih infektih (okužbe pri imunsko oslabljenih osebah, transplantirancih, nosilcih umetnih materialov, bolnišnične okužbe, okužbe v tropskih razmerah oz. na potovanjih, bioterorizem). {0} Updating of lecture themes requires an addition or extension of chapters with new findings on nowadays topical infections (in immune-deficient persons, transplant recipients, recipients of artificial materials, hospital infections, tropic areas- or travel-related infections, bioterrorism).

New topic: covid-19 pandemic, etiology of covid-19 disease, clinical course, treatment and complications of the covid-19. Covid-19 preventive measures and mitigation measures. New covid-19 vaccine production technologies.

#### Infectology in adult patients

Students shall learn and become proficient in the diagnostic and therapeutic approach to patients with suspected infectious disease or febrile condition, learn about infection characteristics with respect to organ system affected (e.g. infections of the central nervous-, respiratory-, gastrointestinal-, urinary system, reproductive organs, muscles, bones and joints, skin and subcutaneous tissues), the characteristics of certain diseases or pathologic conditions (e.g. viral hepatitis, AIDS, Lyme boreliosis, infectious endocarditis, sepsis, septic shock, more frequent tropic diseases), characteristics of infections in patients with preserved or damaged immunity and/or inserted artificial materials, measures for prevention of infectious diseases, doctrine of rational use of antibiotics, antiviral, antifungal and anti-parasitic medications, as well as approaches for the detection, verification, treatment and prevention of hospital infections.

Students shall learn about covid-19 disease, diagnostics and new treatments, usage of personal protective equipment and about preventive measures in covid-19 mitigation.

#### Paediatric infectology

Students learn and acquire knowledge of etiology, epidemiology, clinical symptoms and signs, treatment and prevention of infection in children in different age periods. They become proficient in the interpretation of the findings of laboratory tests, particularly the ones that differ from those in adult patients.

<p><b>STREPTOKOKNE OKUŽBE:</b></p> <ul style="list-style-type: none"> <li>- streptokokno vnetje žrela (tonsillopharyngitis)</li> <li>- škrlatinka (scarlatina)</li> <li>- šen (erysipelas)</li> <li>- impetigo – pyoderma</li> <li>- pnevmokokne okužbe</li> <li>- druge</li> </ul> <p><b>STAFLIOKOKNE OKUŽBE</b></p> <ul style="list-style-type: none"> <li>- stafilokokne okužbe kože</li> <li>- stafilokokna pljučnica</li> <li>- stafilokokni meningitis</li> <li>- stafilokokna sepsa</li> <li>- stafilokokni endokarditis</li> <li>- stafilokokni perikarditis</li> <li>- stafilokokni osteomielitis</li> <li>- stafilokokkni arthritis</li> <li>- sindrom toksičnega šoka</li> </ul> <p><b>OKUŽBE Z ANAEROBI</b></p> <ul style="list-style-type: none"> <li>- tetanus</li> <li>- botulizem</li> <li>- druge klostridijske bolezni</li> <li>- davica</li> </ul> <p><b>OKUŽBE S HERPES VIRUSI</b></p> <ul style="list-style-type: none"> <li>- s herpes simplex virusom tip 1, 2, 6</li> <li>- s citomegalovirusom</li> <li>- z varicela – zoster virusom (varicella, herpes zoster)</li> <li>- z Epstein Barrovim virusom (mononucleosis infectiosa)</li> </ul> <p><b>ČREVESNE OKUŽBE:</b></p> <p>Salmoneloze</p> <ul style="list-style-type: none"> <li>- trebušni tifus</li> <li>- paratifus A, B</li> <li>- akutni enterokolitis</li> </ul> <p>Griža (dysenteria)</p> <p>Kampilobakterioza</p> <p>Zastrupitev s hrano – stafilokokna</p> <ul style="list-style-type: none"> <li>- Clostridium perfringens</li> <li>- Bacillus cereus</li> </ul> <p>Jersinioza</p> <p>Kolera</p>	<p><b>Intensive and emergency infectology</b></p> <p>Students become acquainted with the identification, diagnosis and treatment of acute life-threatening infectious diseases, which require intensive therapy, as well as with the prevention of infections and rules of hospital hygiene in the unit of intensive therapy.</p> <p><b>Sets of lecture title themes:</b></p> <p><b>STREPTOCOCCAL INFECTIONS:</b></p> <ul style="list-style-type: none"> <li>- streptococcal inflammation of the pharynx (tonsillopharyngitis);</li> <li>- Scarlet fever (scarletina)</li> <li>- Erysipelas</li> <li>- Impetigo – pyoderma</li> <li>- Pneumococcal infections</li> <li>- Others</li> </ul> <p><b>STAPHYLOCOCCAL INFECTIONS</b></p> <ul style="list-style-type: none"> <li>- staphylococcal infections of the skin</li> <li>- staphylococcal pneumonia</li> <li>- staphylococcal meningitis</li> <li>- staphylococcal sepsis</li> <li>- staphylococcal endocarditis</li> <li>- staphylococcal pericarditis</li> <li>- staphylococcal osteomyelitis</li> <li>- staphylococcal arthritis</li> <li>- toxic shock syndrome</li> </ul> <p><b>ANAEROBIC INFECTIONS</b></p> <ul style="list-style-type: none"> <li>- tetanus</li> <li>- botulism</li> <li>- other clostridial diseases</li> <li>- diphtheria</li> </ul> <p><b>HERPES VIRUS INFECTIONS</b></p> <ul style="list-style-type: none"> <li>- with herpes simplex virus types 1, 2 and 6</li> <li>- with cytomegalovirus</li> <li>- with varicella, herpes zoster virus</li> <li>- with Epstein-Barr virus (mononucleosis infectiosa)</li> </ul> <p><b>INTESTINAL INFECTIONS:</b></p> <p>Salmonelloses</p> <ul style="list-style-type: none"> <li>- typhoid fever</li> <li>- paratyphoid fever A, B</li> <li>- acute enterocolitis</li> </ul> <p>Bloody diarrhea (dysenteria)</p> <p>Campylobacteriosis</p>
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<p>Virusni enterokolitisi</p> <ul style="list-style-type: none"> <li>- rotavirusni</li> <li>- norwalk virusni</li> <li>- adenovirusni</li> <li>- astrovirusni</li> </ul>	<p>Food poisoning - staphylococcal</p> <ul style="list-style-type: none"> <li>- Clostridium perfringens</li> <li>- Bacillus cereus</li> </ul>
<p>Driske na potovanjih</p>	<p>Yersinosis</p>
<p>Driske pri imunsko motenih bolnikih</p>	<p>Cholera</p>
<p>Driske povzročene z E. coli</p>	<p>Viral enterocholitis infections</p>
<p>Driske povzročene z aeromonas sp.</p>	<ul style="list-style-type: none"> <li>- rotaviral infections</li> </ul>
<p>Driske povzročene s Clostridium difficile</p>	<ul style="list-style-type: none"> <li>- Norwalk virus infections</li> </ul>
<p>OKUŽBE OSREDNJEGA ŽIVČEVJA</p>	<ul style="list-style-type: none"> <li>- adenoviral</li> </ul>
<p>Gnojni (bakterijski) meningitisi</p>	<ul style="list-style-type: none"> <li>- astroviral</li> </ul>
<ul style="list-style-type: none"> <li>- meningokokni meningitis</li> <li>- Pneumokokni meningitis</li> <li>- Hemofilusni meningitis</li> <li>- Listerijski meningitis</li> <li>- Stafilokokni meningitis</li> <li>- Gramnegativni bacilarni meningitis</li> </ul>	<p>Travel-related diarrheas</p>
<p>Diarheas in immune-deficient patients</p>	<p>E. coli-caused diarrheas</p>
<p>E. coli-caused diarrheas</p>	<p>Aeromonas sp.-caused diarrheas</p>
<p>Aeromonas sp.-caused diarrheas</p>	<p>Clostridium difficile -caused diarrheas</p>
<p>Clostridium difficile -caused diarrheas</p>	<p>CENTRAL NERVOUS SYSTEM INFECTIONS</p>
<p>Serozni meningitisi, meningoencefalitisi</p>	<p>Purulent (bacterial) meningitis</p>
<ul style="list-style-type: none"> <li>- tuberkulozni meningitis</li> <li>- leptospirozni meningitis</li> <li>- borelijski meningitis</li> <li>- brucelozni meningitis</li> <li>- mikoplazmatski meningitis</li> <li>- klopni meningoencefalitis</li> <li>- herpetični (HSV tip 1, 2) meningoencefalitis</li> <li>- enterovirusni meningoencefalitisi</li> <li>- glivični meningoencefalitis</li> <li>- parazitni meningoencefalitis</li> </ul>	<ul style="list-style-type: none"> <li>- meningococcal meningitis</li> <li>- pneumococcal meningitis</li> <li>- Haemophylus influenzae-caused meningitis</li> <li>- listerial meningitis</li> <li>- staphylococcal meningitis</li> <li>- gram-negative bacterial meningitis</li> </ul>
<p>OKUŽBE DIHAL</p>	<p>Serous meningitis, meningoencephalitis</p>
<p>Tonsilofaringitis</p>	<ul style="list-style-type: none"> <li>- tuberculous meningitis</li> <li>- leptospirosis-caused meningitis</li> <li>- Borellia-caused meningitis</li> <li>- brucellosus meningitis</li> <li>- mycoplasma meningitis</li> <li>- tick-borne meningoencephalitis</li> <li>- herpetic (HSV type 1, 2) meningoencephalitis</li> <li>- enteroviral meningoencephalitis</li> <li>- fungal meningoencephalitis</li> <li>- parasitic meningoencephalitis</li> </ul>
<p>Bakterijske pljučnice</p>	<p>RESPIRATORY INFECTIONS</p>
<p>Atipične pljučnice:</p>	<p>Tonsilopharyngitis</p>
<ul style="list-style-type: none"> <li>- klamidijske okužbe</li> <li>- mikoplazemske okužbe</li> <li>- legioneloze</li> <li>- Q mrzlica</li> </ul>	<p>Bacterial pneumonias</p>
<p>Oslovski kašelj (pertussis)</p>	<p>Atypical pneumonias</p>
<p>Influenca</p>	<p></p>
<p>Parainfluenca</p>	<p></p>
<p>Virusna prehladna obolenja</p>	<p></p>
<p>Adenoviroze</p>	<p></p>

Covid-19	- chlamidial infections - mycoplasmic infections - legionelloses - Q fever Whooping cough (pertussis)
IZPUŠČAJNE BOLEZNI	Influenza
Ošpice (morbilli)	Parainfluenza
Rdečke (rubella)	Viral cold-related diseases
Erythema infectiosum	Adenoviroses
Exanthema subitum	Covid-19
Norice (varicella) – herpes zoster	RASH DISEASES
Rikecioze	Measles (morbilli) German measles (rubella)
VIRUSNI HEPATITISI – A, B, C, D,E, G, H	Infectious erythema Exanthema subitum Varicella - herpes zoster Ricketsioses
PARAZITNE BOLEZNI	VIRAL HEPATITISES – A, B, C, D,E, G, H
Toksoplazmoza	PARASITIC DISEASES
Lamblioza	Toxoplasmosis
Tenioza – cistica koza	Lambliosis
Ehinokokoza	Teniosis – cysticercosis
Trihinelzoza	Echinococcosis
Filarioza	Trichinosis
Okužbe s pneumocystis carinii	Filarosis
ZOONOZE	Pneumocystic carinii infections
Listerioza	ZONOSES
Bruceloza	Listeriosis
Tularemija	Brucellosis
Lymska borelioza	Tularaemia
Erlihioza	Lyme boreliosis
Vranični prisad (antraks)	Ehrlichiosis
Bolezni mačje opraskanine	Anthrax
Steklina (rabies)	Cat-scratch diseases
TROPSKE BOLEZNI	Rabies
Malaria	
Amebiasa	
Lišmanioza	
Tripanosomoza	
Shistosomoza	
Hemoragične mrzlice:	

<ul style="list-style-type: none"> <li>- rumena mrzlica</li> <li>- Denga</li> <li>- Hantan mrzlica</li> <li>- Lassa mrzlica</li> <li>- Marburg mrzlica</li> <li>- Ebola</li> </ul> <p>Leptospiroze</p> <p>Kuga</p> <p><b>GLIVIČNE OKUŽBE</b></p> <p><b>NOZOKOMIALNE (BOLNIŠNIČNE) OKUŽBE</b></p> <p>HIV okužba – AIDS</p> <p><b>OKUŽBE PRI IMUNSKO OSLABELIH BOLNIKIH</b></p> <p><b>OKUŽBE PRI NOSILCIH UMETNIH MATERIALOV</b></p> <p><b>OKUŽBE PRI TRANSPLANTIRANCIH</b></p> <p><b>VROČINA NEZNANEGA IZVORA (STATUS FEBRILIS)</b></p> <p><b>NAJPOMEMBNEJŠI SIMPTOMI IN ZNAKI PRI OPISOVANJU IN DIAGNOSTICIRANJU INFEKCIJSKIH BOLEZNI:</b></p> <p>Razen opisov klasičnih infekcijskih bolezni in okužb posameznih organov bomo od študentov zahtevali tudi poznavanje patofiziološkega razumevanja in diferencialno diagnostiko komatoznih stanj, septičnega šoka, ARDS, dehidracije in akutne ledvične odpovedi ter razumevanje pojmov medsebojnih odnosov med makro in mikro organizmom (saprofit – komerzal – parazit – patogen; infekt – infekcijska bolezen; virulenta; rezistenca; imunost).</p>	<p><b>TROPICAL DISEASES</b></p> <p>Malaria</p> <p>Amebiasis</p> <p>Leishmaniasis</p> <p>Trypanosomasis</p> <p>Schistosomosis</p> <p>Haemorrhagic fevers:</p> <ul style="list-style-type: none"> <li>- yellow fever</li> <li>- Dengue fever</li> <li>- Hantan fever</li> <li>- Lassa fever</li> <li>- Marburg fever</li> <li>- Ebola</li> </ul> <p>Leptospiroses</p> <p>Plague</p> <p><b>FUNGAL INFECTIONS</b></p> <p><b>NOSOCOMIAL (HOSPITAL) INFECTIONS</b></p> <p>HIV infection – AIDS</p> <p><b>INFECTIONS IN IMMUNE-DEFICIENT PATIENTS</b></p> <p><b>INFECTIONS IN ARTIFICIAL MATERIAL RECIPIENTS</b></p> <p><b>INFECTIONS IN TRANSPLANT RECIPIENTS</b></p> <p><b>FEBRILE CONDITION OF UNKNOWN ORIGIN (STATUS FEBRILIS)</b></p> <p><b>MOST IMPORTANT SIGNS AND SYMPTOMS IN DESCRIBING AND DIAGNOSING INFECTIOUS DISEASES:</b></p> <p>Besides being able to describe classical infectious diseases and individual organ infections, the students will be expected to understand patho-physiology and differential diagnosis of comatous conditions, septic shock, ARDS, dehydration and acute renal failure; they should also be able to explain the terms associated with relationship between macro- and microorganism (saprophyte – commensal – parasite –pathogen; infectant – infectious disease; virulence; resistance; immunity).</p>
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#### **Temeljni literatura in viri / Reading materials:**

<p><b>Temeljna</b></p> <ul style="list-style-type: none"> <li>- Tomažič J, Strle.F. Infekcijske bolezni,Ljubljana,Združenje za infektologijo.Slovensko zdravniško društvo.2014/2015</li> </ul> <p><b>Dopolnilna</b></p> <ul style="list-style-type: none"> <li>- Mayhall CG. Hospital epidemiology and Infection Control. Lippincott Williams and Wilkins. 4. izdaja. Philadelphia,2012</li> </ul>
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- Beović, Strle, Čižman, Tomažič, Infektoološki simpoziji, Medicinski razgledi. Ljubljana, v I. 1995-2016
- Gorišek-Reberšek J. in sod. Bedjaničevi simpoziji, SB Maribor, Maribor, v I. 1997-2016
- Lešničar G., Infektoološki Lešničarjev simpozij, Laško 2012
- E-gradivo: Gorišek Miksić Nina: Covid-19
- E-gradivo: Gorišek Miksić Nina: Preprečevanje okužbe z virusom SARS-CoV-2: aktivna in pasivna zaščita

### Cilji in kompetence:

Študent pri pouku spoznava epidemiološke, patofiziološke, etiopatogenetske in klinične značilnosti infekcijskih bolezni, lastnosti povročiteljev (patogenost, virulenta, itd.) in gostiteljev (dovzetnost, nagnjenost, itd.) ter njihove medsebojne odnose. Spozna in zna razlikovati bolezenska dogajanja pri različnih patogenetskih oblikah infekcijskih bolezni, (tako lokalnih, kot sistemskih). Seznani se s posebnostmi anamneze in klinične preiskave pri infekcijskih boleznih, mikrobiološkim in serološkim dokazovanjem povzročiteljev, osnovami racionalne uporabe antibiotikov, kemo- in imunoprofilakse ter z aktualnim epidemiološkim stanjem infekcijskih bolezni pri nas in v svetu. Tako razume bolezenska dogajanja in je sposoben samostojno ocenjevati načine preprečevanja in zdravljenja teh bolezni.

Študent razume in opazuje pandemijo covid-19.

### Objectives and competences:

Students learn about epidemiological, pathophysiological, etio-pathogenetic and clinical characteristics of infectious diseases, causative agent (pathogenic potential, virulence, etc.) and host (susceptibility, inclination, etc.) properties and their interrelations. They learn to distinguish between different pathogenetic forms of infectious diseases (local as well as systemic). They get acquainted with specificity of anamnesis and clinical examination in infectious diseases, microbiological and serological verification of causative agents, basics of rational use of antibiotics, chemo- and immunoprophylaxis, and with current epidemiological situation in the area of infectious diseases in the country and abroad. Thus, they understand pathological occurrences and are able to independently consider possible preventive measures and treatment of these diseases.

Students learn about covid-19 pandemic and is actively observing the course of the pandemic.

### Predvideni študijski rezultati:

#### Znanje in razumevanje:

- prepoznavanje klinične slike
- uvajanje diagnostičnih preiskav
- diferencialno-diagnostična presoja
- zdravljenje bolezni

#### Prenesljive/ključne spremnosti in drugi atributi:

- poznavanje osnovnih higienskih principov
- obvladovanje antibiotične profilakse in zdravljenja

### Intended learning outcomes:

#### Knowledge and Understanding:

- recognition of clinical picture
- implementation of diagnostic investigations
- differential-diagnostic evaluation
- treatment of diseases

#### Transferable/Key Skills and other attributes:

- knowledge of the basic principles of hygiene
- knowledge of antibiotic prophylaxis and treatment

### Metode poučevanja in učenja:

- predavanja z avdio-vizuelno podporo
- seminarji
- klinične vaje

### Learning and teaching methods:

- lectures with audio-visual support
- seminars
- clinical work

### Načini ocenjevanja:

Delež (v %) /

Share (in %)

### Assessment methods:

- pisni izpit  ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV: predavanja in seminarji  POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJUZNANJA: opravljeni seminarji in prisotnost na predavanjih	<b>100 %</b>  <b>80% prisotnost na predavanjih</b>	- written examination  ACADEMIC OBLIGATIONS OF STUDENTS: lectures and coursework
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	<b>80% prisotnost na seminarjih</b>	REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING: completed coursework assignments and attendance at lectures
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**Reference nosilca / Course coordinator's references:**

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