

SYLLABUS

concerning the cycle of education 2021-2027

(date range)

**1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE**

Subject / Module	<b>Infectious diseases</b>
Course code / module *	<b>ChZ/E</b>
Faculty of (name of the leading direction)	<b>Medical College of Rzeszów University</b>
Department Name	<b>Medical College of Rzeszów University</b>
Field of study	<b>medical direction</b>
Level of education	<b>uniform master's studies</b>
Profile	<b>practical</b>
Form of study	<b>stationary / extramural</b>
Year and semester	<b>year III, semester V</b>
Type of course	<b>obligatory</b>
Coordinator	<b>dr hab. n. med. Marek Cieśla</b>
First and Last Name of the Teacher	<b>Dr n. med. Sieklucki Jerzy Dr n. med. Pleśniak Robert</b>

\* - According to the resolutions of the Faculty of Medicine

**1.2. Forms of classes, number of hours and ECTS**

Lecture	Exercise	Conversation	Laboratory	Seminar	ZP	Practical	Self-learning	Number of points ECTS
30	30	-	-	15	-	-	-	5

**1.3. The form of class activities**

classes are in the traditional form

classes are implemented using methods and techniques of distance learning

**1.4. Examination Forms / module** (exam, **credit with grade** or credit without grade)

**2. REQUIREMENTS**

Knowledge in the field of biology at the advanced level, anatomy, internal diseases, pathophysiology.
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**3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS**

**3.1. Objectives of this course/module**

C1	Diagnosis, etiopathogenesis and differential diagnosis of parasitic diseases
C2	Mastering the basics of theoretical knowledge on infectious diseases
C3	Mastering the ability to collect epidemiological history and conduct a physical examination in a patient with an infectious disease or in case of a suspected contagious disease
C4	Mastering the interpretation of the results of biochemical, bacteriological, serological and molecular tests
C5	Mastering the diagnosis of infectious diseases, their etiopathogenesis and symptoms, diagnostics differential, therapy and chemotherapy of infectious diseases, prophylactic treatment in case of occupational exposure to an infectious disease especially caused by hepatotropic virus infection and HIV, use of active and passive immunization

### 3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

EK (the effect of education)	The content of the learning effect defined for the subject (module)	Reference to directional effects (KEK)
EK_01	knows and understands the causes, symptoms, principles of diagnosis and therapeutic and prophylactic treatment in the most common bacterial, viral, parasitic and mycotic diseases, including pneumococcal infections, viral hepatitis, acquired immunodeficiency AIDS, sepsis and nosocomial infections	E.W32.
EK_02	plans to deal with exposures to blood borne infections	E.U26.
EK_03	he is guided by the good of the patient, placing them in the first place	K.02.

### 3.3 CONTENT CURRICULUM (filled by the coordinator)

#### A. Lectures

Course contents
Etiopathogenesis and clinic of viral hepatitis
HIV infection and acquired immunodeficiency syndrome (AIDS) - etiopathogenesis and clinic
Neuroinfections - etiology, pathogenesis, division, clinic
Sepsis and septic shock - etiopathogenesis, clinic
Bioterrorism - concept, tools
Fevers with undetermined etiology
In-hospital infections - aetiology, diagnostics, prophylaxis

Prevention of infectious diseases. The role of sera and vaccines in infectious diseases. Serum sickness
Tropical diseases most often referred to in Poland - etiopathogenesis, clinic
A review of zoonoses - etiopathogenesis, clinic

## B. Seminars

<b>Course contents</b>
Epidemiology, etiopathogenesis and treatment of human parasitosis: blood, body fluids and tissues,
Mechanisms of avoiding the immune response.
Neglected tropical diseases.
Parasitological diagnostics: morphological, serological and molecular biology methods.
Basics of epidemiology of infectious diseases - epidemiological interview in patients for an infectious disease or if you suspect you have an infectious disease
Principles of pre-disposition nonspecific and specific in the aspect of infectious diseases
Rules for post-exposure nonspecific and specific in infectious diseases. Prophylactic treatment in the case of occupational exposure to an infectious disease especially caused by hepatotropic and HIV infection
Acute viral hepatitis - clinical picture, differentiation
Chronic viral hepatitis - clinical picture, sequelae, differentiation
Liver biopsy - principles of performance, indications, contraindications, complications, presentation of the procedure
Differentiation of jaundice
Purulent meningitis - clinical picture, differentiation
Lymphocytic meningitis - clinical picture, differentiation
Lumbar puncture - principles of performance, indications, contraindications, complications, presentation of the procedure.

Examination of cerebrospinal fluid
Tetanus - clinical picture, differentiation of the principle of prophylaxis
Rabies - rules of post-exposure proceedings
Lymphadenopathies in infectious diseases - clinical images, differentiation
Selected bacterial infectious diseases and viral gastrointestinal tract, food poisoning - clinical images, differentiation
Lyme disease - an interdisciplinary problem – diversity clinical manifestations
Selected zoonotic diseases - clinical pictures, differentiation
Differentiation of rheumatic diseases and skin lesions of viral etiology
Differentiation of rash and skin lesions with bacterial etiology
Sepsis and septic shock - clinical picture, diagnostics
Overview of infectious diseases of childhood - vaccination calendar
An algorithm for dealing with fevers
of undetermined etiology - clinical images, differentiation
Tropical diseases-clinical images, differentiation
Parasitic diseases - clinical images
Biting by poisonous animals - clinical images
Infectious diseases in pregnant women - threats for mother and child

### C. Seminars

Course contents
Introduction to the subject of infectious and invasive diseases. Rules for the diagnosis of infectious diseases - epidemiological interview, physical examination, research biochemical, bacteriological, serological, molecular
Diagnosis and treatment of acute viral inflammations liver
Diagnosis and treatment of chronic viral hepatitis
Early and late consequences of hepatotropic infection - acute hepatic failure, liver cirrhosis, primary liver cancer
Clinical and laboratory diagnosis of jaundice
Purulent inflammation of the meninges
Lymphocytic meningitis
Tuberculous meningitis. Dermatitis encephalitis

Newly emerging infectious diseases - etiopathogenesis, clinic, diagnostics
Limfadenapatie in infectious diseases - etiology, diagnostics
Other tick-borne diseases - a review
Diagnostics, treatment and prophylaxis of diseases that are potential tools of bioterrorism
Diagnostics, treatment and prophylaxis of HIV infections
Rash diseases, skin and mucosal infections with viral etiology
Rash diseases, skin and mucosal infections with bacterial etiology
Selected infectious diseases of the gastrointestinal tract with viral etiology, bacterial. Botulism -etiopathogenesis, clinic, diagnostics, differentiation, treatment
Selected zoonotic diseases - diagnostics, treatment
Selected tropical diseases - diagnostics, treatment
Biting by poisonous animals - clinic, treatment

### 3.4 TEACHING METHODS

**Lecture:** lecture with multimedia presentation, seminar

**Exercises:** lecture with multimedia presentation, discussion, classes at the patient's bed - case report

**Seminars:** lecture with multimedia presentation

**Student's own work:** work with a book

## 4 METHODS AND EVALUATION CRITERIA

### 4.1 Methods of verification of learning outcomes

Symbol of effect	Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes)	Form of classes
EK_01	written colloquium, written exam	<b>Lecture, Seminars</b>
EK_02-03	Practical pass	<b>Exercises</b>

### 4.2 Conditions for completing the course (evaluation criteria)

#### **Lectures and seminars**

Written test

#### **Knowledge assessment (EK\_01):**

Written test

5.0 - has knowledge of each of the contents of education at the level of 90% -100%

- 4.5 - has knowledge of each of the content of education at the level of 84% -89%
- 4.0 - has knowledge of each of the content of education at the level of 77% -83%
- 3.5 - has knowledge of each of the content of education at the level of 70% -76%
- 3.0 - has knowledge of each of the content of education at the level of 60% -69%
- 2.0 - has knowledge of each of the contents of education below 60%

**exercises:**

Practical pass

**Assessment of skills and competences (EK\_02, EK\_03):**

5.0 - the student actively participates in classes, is well prepared, has acquired theoretical and practical knowledge in the field of infectious diseases at a very good level, has mastered the skills of diagnostic and therapeutic procedures in patients treated outpatients and in the conditions of a contagious ward

4.5 - the student actively participates in the classes, has acquired theoretical and practical knowledge in the field of infectious diseases at a good level, has mastered the skills of diagnostic and therapeutic procedures in patients treated outpatient and in the conditions of the infectious ward

4.0 - the student actively participates in the classes, is improved, has acquired theoretical and practical knowledge in the field of infectious diseases at a good level, is able to plan the diagnostic and therapeutic activities well in patients treated outpatients and in the conditions of the infectious ward

3.5 - the student participates in classes, his scope of preparation does not allow for a comprehensive presentation of the discussed problem, he acquired theoretical and practical knowledge in the field of infectious diseases to a sufficient extent, not always able to properly plan diagnostic and therapeutic activities in outpatients and infectious patients

3.0 - the student participates in classes, has acquired theoretical and practical knowledge in the field of infectious diseases to a sufficient extent, is often corrected

2.0 - the student passively participates in the classes, the statements are incorrect in substance, the theoretical and practical knowledge in the field of infectious diseases is insufficient, can not plan diagnostic and therapeutic actions in outpatients and in the conditions of the infectious ward, often makes mistakes

**5. Total student workload required to achieve the desired result in hours and ECTS credits**

Activity	Hours / student work
Hours of classes according to plan with the teacher	75
Preparation for classes	30
Participation in the consultations	2
The time to write a paper / essay	-

Preparation for tests	40
Participation in colloquia	-
Other (e-learning)	-
SUM OF HOURS	147
TOTAL NUMBER OF ECTS	5

**6. TRAINING PRACTICES IN THE SUBJECT / MODUL**

Number of hours	-
Rules and forms of apprenticeship	-

**6. LITERATURE**

<p><b>READING:</b></p> <p>1.Choroby zakaźne, pasożytnicze, Zdzisław Dziubek Wydawnictwo Lekarskie PZWL Warszawa 2006.</p> <p>2.Parazytologia kliniczna w ujęciu wielodyscyplinowym Zbigniew Pawłowski, Jerzy Stefanik. Wydawnictwo Lekarskie PZWL, Warszawa 2004</p> <p>3.Choroby zakaźne i pasożytnicze – podręcznik. red. Z. Dziubek, PZWL, 2004</p> <p>4.Choroby zakaźne. Red. B. A. Bannister i wsp., U&amp;P, 1998</p> <p>5.Zakażenia i zarażenia człowieka. Epidemiologia, zapobieganie i zwalczanie. Red. W. Magdzik i D. Naruszewicz – Lesiuk, PZWL, 2001</p> <p>6.Choroby zakaźne i pasożytnicze u dzieci. Z. Rudkowski, PZWL, 2001.</p> <p>7.Bioterroryzm. Red. K. Chomiczewski i wsp., PZWL, 2002.</p> <p>8.Interna Harrisona. Red. A.S. Fauci, E. Braunwald, K. J. Isselbacher i wsp., (wyd. XVIII), Wyd. Czelej, 2010</p>
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Acceptance Unit Manager or authorized person