

SUBJECT CARD

Faculty of Medicine and Health Sciences

Field of studies: Medicine

Form of studies: Full-time

Degree: long-cycle Master's program

Specializations: No specialization

Academic year: 2023/2024

INFECTIOUS DISEASES	
SUBJECT	Infectious diseases
NUMBER OF ECTS POINTS	4
LANGUAGE OF INSTRUCTION	English
TEACHER(S)	Lidia Stopyra, MD, PhD Katarzyna Turek-Fornelska, MD Katarzyna Niedrygas MD Agnieszka Juranek MD Julia Ostrowska MP Piotr Meryk MD. Karolina Lukasz MD. Emilia Zegan MD
PERSON RESPONSIBLE	Lidia Stopyra, MD, PhD
NUMBER OF HOURS	
LECTURES	20 h
CLASSES	30 h
SEMINARS	10 h
GENERAL OBJECTIVES	
OBJECTIVE 1	The purpose of the subject is to teach students how to recognize and treat infectious diseases.
OBJECTIVE 2	The next purpose is an education program in infectious diseases prevention
LEARNING OUTCOMES	
MK ₁	Knowledge: Student acquires an advanced understanding of the etiology, pathogenesis, diagnosis, and therapy of patients with the infectious diseases.
MK ₂	Knowledge: Student acquires an advanced understanding of anti-infective therapy.

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MK₃	Knowledge: Student acquires an advanced understanding of the etiology, pathogenesis, diagnosis and therapy of virus infections and associated opportunistic infections in patients with immunodeficiency.
MS₁	Skills: Student is able to take a medical history from the adult patient with an emphasis on the epidemiological data.
MS₂	Skills: Student is able to carry out the full physical examination and to keep patients' medical report.
MS₃	Skills: Student is able to plans diagnosis and treatment in case of exposure to different microorganisms.
MC₁	Social Competences: Student accepts ethical standard requirements as well as understands and accepts patient's rights.

INTRODUCTORY REQUIREMENTS

[1] Basic anatomy and physiology. 2. Basic pathology and pathophysiology.
 [2] Microbiology and antimicrobials. 4. Laboratory techniques (ELISA, Western blotting, PCR, sequencing, etc.).

COURSE PROGRAM

DETAILED DESCRIPTION OF THE TOPIC BLOCKS

LECTURE 1	Epidemiology of infectious disease.
LECTURE 2	Bacterial infections
LECTURE 3	Viral infections.
LECTURE 4	Fungal and parazotic infections.
LECTURE 5	HIV/AIDS
LECTURE 6	Hepatitis.
LECTURE 7	Neuroinfections.
LECTURE 8	Sepsis
LECTURE 9	Tropical diseases
LECTURE 10	Prophylaxis of infectious diseases.
CLASS 1	Differential diagnosis of leukocytosis, lymphocytosis, eosinophilia.
CLASS 2	Assessment of the patient with jaundice and/or abnormal liver function tests.
CLASS 3	Clinical assessment of the patient with vomiting/diarrhea – when to hospitalize, when to give antibiotics, risk of complications.

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CLASS 4	Assessment of a HIV(+) patient: counseling before and after testing, medical and epidemiological history, clinical examination, interpretation of the common laboratory abnormalities, AIDS-defining comorbidities; social support . COVID 19 pandemic.
CLASS 5	Practical antibiotic therapy – counseling in the admission room and in the outpatient department (when, which antibiotic, how long, dosing).
SEMINAR 1	Diagnosis in infectious diseases
SEMINAR 2	Vaccination
SEMINAR 3	Hospital infections.
SEMINAR 4	Sudden conditions in infectious diseases
SEMINAR 5	Post exposure prophylaxis.
DIDACTIC METHODS (APPLIED)	
	Lectures Discussions during seminars Practical classes
STUDENTS WORKLOAD	
CONTACT HOURS WITH THE ACADEMIC TEACHER	60 hours
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	Preparation for classes: 20 hours Preparation of the medical history: 10 hours Preparation for the exam: 30 hours
TOTAL NUMBER OF HOURS FOR THE COURSE	120 hours
CONDITIONS FOR COURSE COMPLETION	
<ol style="list-style-type: none"> 1. Attendance at all lectures, classes and seminars is obligatory; 2. A single, justified absence must be compensated; 3. More than one absence at classes and/or seminars causes the need to repeat the whole course; 4. Preparation for seminars and classes; 5. Writing and presenting the short medical history at the end of the practical training; 6. Passing the final exam in infectious disease. 	
METHODS OF ASSESSMENT	
IN TERMS OF KNOWLEDGE	Oral assessment during practical seminars and classes
IN TERMS OF SKILLS	Observation of students' performance, evaluation of the presented medical history

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IN TERMS OF SOCIAL COMPETENCE	Observation of students' behaviour in the group
FORMATIVE	Current assessment in classes and seminars
SUMMATIVE (I & II terms)	I term: Test exam – multi choice; 60 questions II term: Oral examination – 4 questions.

GRADING SCALE

3,0 (Satisfactory)	55 - 63%
3,5 (Satisfactory plus)	64 – 72%
4,0 (Good)	73- 81%
4,5 (Good plus)	82- 90%
5,0 (Very Good)	>91%

BASIC LITERATURE

Harrison's Infectious diseases. D.L.Kasper, A.S.Fauci, 3rd Edition

SUPPLEMENTARY LITERATURE