Medicine			
Bachelor	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course Introduction and Application Information

Course Code:	TIP508
Course Name:	Infectious Diseases and Clinical Microbiology
Semester:	Fall
Course Credits:	ECTS: 5
Language of instruction:	Turkish
Course Condition:	
Does the Course Require Work Experience?:	No
Type of course:	Compulsory Courses
Course Level:	Bachelor | TR-NQF-HE:7. Master`s Degree | QF-EHEA:Second Cycle | EQF-LLL:7. Master`s Degree
Mode of Delivery:	Face to face
Course Coordinator:	Prof. Dr. HİKMET KOÇAK
Course Lecturer(s):	Prof. Dr. Nuriye Taşdelen Fışgın Doç. Dr. Çağla Karakoç Dr. Öğr. Üyesi Didem Akal-Taşçıoğlu
Course Assistants:	

Course Objective and Content

Course Objectives:	Students should know the characteristics of infectious diseases in adult patients, understand the importance of epidemiological features, be able to apply preventive medicine measures, gain the knowledge and skills to provide diagnosis and treatment services at the primary level by making the pre-diagnosis or diagnosis of common diseases that may require urgent intervention.

Course Content:	Course covers the principles of symptoms and signs, diagnosis and treatment of diseases in adult patients in a way to cover the learning objectives specified in the Core Education Program in the field of Infectious Diseases and Clinical Microbiology. Course covers theoretical lectures, bedside applications, intensive care visit, data evaluation in the laboratory, rational antibiotic use PBL session, student presentations, and case discussions.

Learning Outcomes

The students who have succeeded in this course;
1) Be able to question the symptoms of infectious diseases with history taking and physical examination, recognize these symptoms in the examination, request the necessary tests at the first stage, make and interpret microbiological diagnostic approach, treat certain problems, determine which patients should be evaluated by a specialist
2) Be able to take the right approach to urgent symptoms and diseases (such as central nervous system infections, fever, endocarditis), diagnose and perform the first treatment and then send the patient to advanced centers under suitable conditions
3) To understand the importance of good patient-physician and physician-physician communication and develop their skills.

Course Flow Plan

Week	Subject	Related Preparation
1)	Theoretical Lectures: Internship Presentation Importance of Nosocomial Infections and Isolation Methods Health of Healthcare Professionals Beta Lactams and Beta Lactamase Inhibitors I-II Classification and Clinical Use of Antiviral Drugs Non-Beta Lactam Antibiotics I-II-III Classification and Clinical Use of Antifungal Drugs Fever and Approach to Patient with Fever of Unknown Cause Classification and Clinical Use of Antiparasitic Drugs Immunoprophylaxis and Chemoprophylaxis HIV / AIDS Pathogenesis Diagnosis-Treatment and Approach to Opportunistic Infections Brucellosis Sepsis Diagnostic Criteria and Treatment Approach Practical Training: Bedside Training Intensive Care Visit Policlinic Laboratory Work	There is no preparation-course material.
2)	Theoretical Lectures: Approach to Patients with LAP I-II Lyme Disease Leptospirosis Malaria Approach to Rash Diseases Kalaazar and Other Leishmanias Diagnosis and Treatment Approach of Infective Endocarditis Typhoid and Non-Typhoid Salmonellosis Approach to Upper Respiratory Tract Infections Pulmonary Tuberculosis Extrapulmonary Tuberculosis Approach to the Patient with Pneumonia Viral Hemorrhagic Fever SARS-MERSCOV-COVID 19 I-II Approach to Urinary Tract Infections Approach to Sexually Transmitted Infections Soft Tissue Infections I-II Practical Training: Rational Use of Antibiotics Bedside Training Intensive Care Visit Policlinic Laboratory Work	There is no preparation-course material.
3)	Theoretical Lectures: Animal and Human Bites Travel-Related Infections Tetanus and Botulism Approach to the Patient with Jaundice Classification of Infectious Diarrhea and Its Occurrence Mechanisms I-II Anthrax Diagnosis and Treatment Approach Approach to SSS	There is no preparation-

	Infections I-II Approach to Bone and Joint Infections I-II Exam Practical Training: Student Seminar	course material.

Sources

Course Notes / Textbooks:	Dersin kaynak kitabı bulunmamaktadır. The course does not have a mandatory resource.
References:	Dersin konuları ile ilgili güncel makaleler ve ders slaytları./Articles mentioned in the course related with topics and lecture slides. Temel Kaynak/Basic Source: İnfeksiyon Hastalıkları ve Mikrobiyolojisi, A. Wilke Topçu, G. Söyletir, M Doğanay, Nobel Tıp Kitapevi

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3
Program Outcomes			
1) When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.			
2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.			
3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.			
4) knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.			
5) can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.			
6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.			
7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.			
8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.			

Course Learning Outcomes	1	2	3
9) knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.			
10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.			
11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.			
12) knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.			
13) can collect health data, analyze them, present them in summary, and prepare forensic reports.			
14) knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.			
15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.			
16) knows health policies and is able to evaluate their effects in the field of application.			
17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.			
18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.			

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.	
2)	knows the normal structure and function of the human body at the level of molecules, cells,	

	tissues, organs and systems.	
3)	is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	
4)	knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.	
5)	can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.	
6)	knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	
7)	can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	
8)	knows the clinical decision-making process, evidence-based medicine practices and current approaches.	
9)	knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.	
10)	knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.	
11)	is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.	
12)	knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.	
13)	can collect health data, analyze them, present them in summary, and prepare forensic reports.	
14)	knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.	
15)	knows employee health, environment and occupational safety issues and takes responsibility	

	when necessary.	
16)	knows health policies and is able to evaluate their effects in the field of application.	
17)	keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	
18)	applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Final	1	% 65
Final Sözlü	1	% 35
total		**% 100**
PERCENTAGE OF SEMESTER WORK		% 35
PERCENTAGE OF FINAL WORK		% 65
total		**% 100**

Workload and ECTS Credit Calculation

Activities	Number of Activities	Workload
Course Hours	3	52
Laboratory	3	6
Application	3	24
Special Course Internship (Work Placement)	3	24
Presentations / Seminar	1	8
Final	1	8
Total Workload		**122**