

COURSE INFORMATION					
Course Title	Code	Semester	Lecture+Practice+Labrotory Hour	Credits	ECTS
Infectious Diseases and Clinical Microbiology (Clinical Clerkship)	MED 514	Phase 5 / 9-10	30+24	3	3*

* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The student that joins this course, should completed Phase 1, 2, 3 and 4 courses of medical faculty.
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Compulsory
Course Coordinator	Özlem Alıcı, MD. Prof.
The instructors	Meral Sönmezoğlu, MD. Prof. Aynur Eren Topkaya, MD. Prof. Özlem Alıcı MD. Prof.
Assistants	-
Goals	In this internship, it is aimed to gain knowledge and skills about the symptoms and clinical findings of infectious diseases, diagnosis, treatment and prevention measures, and patient management.
Content	

Learning Outcomes <i>At the end of clerkship, the student should be able to:</i>	Program Learning Outcomes	Teaching Methods	Assessment Methods
1. Describe required approach to patients with infectious diseases including evaluation of microbiological test results	1.1.1, 1.1.3,1.1.4,1.1.5, 1.1.7, 1.1.8,2.1.1	1,2,3	A,B
2. Solve epidemiology, diagnosis and differential diagnosis of infectious diseases endemic in our country and/or in world.	1.1.1,1.1.4, 1.1.7, 1.1.8, 2.2.1,2.2.3,2.2.4,3.2.3	1,2,3	A,B
3. Explain infectious disease emergencies, diagnosis and approach to treatment modalities, antibiotic usage rationale, and basic antibiotic usage guidelines.	1.1.1, 1.1.3,1.1.4,1.1.5, 1.1.9,2.2.1, 2.2.2, 2.2.3 3.1.2,3.2.3	1,2,3	A,B
4. Save clinical history from infectious disease patients.	1.1.4, 1.1.6, 2.1.1,2.1.2, 2.2.3,2.2.4	1,2,3	A,B
5. Perform physical examination	1.1.4, 1.1.6, 1.1.8,2.1.1,2.1.2,2.1.4	1,2,3	A,B

6. Follow requesting and analyzing diagnostic tests in light of signs and symptoms of patients; both on inpatient and outpatient clinical settings	1.1.1, 1.1.7, 1.1.8, 1.1.9,2.1.4,24.1,2.4.3,3.1.2,3.2.3	1,2,3	A,B
7. Perform nonspecific tests used in diagnosis of infectious diseases (white blood cell counting, blood smear examination, urine sample microscopy, etc.) and examine patient samples microbiologically (for presence of bacteria, parasites, blood cells, etc.)	1.1.6,1.1.7, 1.1.8,2.1.1,2.1.2,2.1.4,2.2.1,2.2.2, 3.1.1, 3.1.2	1,2,3	A,B
8. examine patient samples microbiologically (for presence of bacteria, parasites, blood cells, etc.)	1.1.6,1.1.9,2.4.1,3.1.1, 3.1.2	1,2,3	A,B
9. Prescribe treatment of patients.	1.1.3, 1.1.5, 1.1.1,1.1.6,2.1.1,2.1.2,2.1.3,2.4.1,2.4.3, 2.5.1,2.5.3, 3.1.1,3.1.2,3.2.3	1,2,3	A,B
10. Obey confidentiality of patients	1.1.1, 2.1.3,1.1.5, 2.2.1,2.2.2,2.2.4, 2.4.1,2.4.3,2.5.1,2.5.3	1,2,3	A,B

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion
Assessment Methods:	A: Testing B: Presentation

COURSE CONTENT		
Week	Topics	Study Materials
1	Introductory Session (Introduction to IDCM)	Materials for the course provided by the the instructor
1	Lecture Central Nervous System Infections	Materials for the course provided by the instructor
1	Lecture HIV Infection and AIDS	Materials for the course provided by the instructor
1	Lecture Brucellosis	Materials for the course provided by the instructor
1	Lecture Antibiotics and Rational Use of Antibiotics	Materials for the course provided by the instructor
1	Lecture Gastrointestinal Tract Infections	Materials for the course provided by the instructor
1	Lecture Health Care Associated Infections	Materials for the course provided by the instructor
1	Lecture Fever of Unknown Origin	Materials for the course provided by the instructor

1 Lecture Specimen Selection, Collection and Processing in Clinical Microbiology Tests	Materials for the course provided by the instructor
1 Lecture Direct and Indirect Test Methods in Clinical Microbiology	Materials for the course provided by the instructor
1 Lecture Antimicrobial Resistance	Materials for the course provided by the instructor
1 Lecture Sepsis	Materials for the course provided by the instructor
1 Lecture Skin and Soft Tissue Infections	Materials for the course provided by the instructor
1 Lecture Infective Endocarditis	Materials for the course provided by the instructor
1 Lecture Crimean Congo Hemorrhagic Fever	Materials for the course provided by the instructor
1 Lecture Acute Viral Hepatitis	Materials for the course provided by the instructor
1 Lecture Sterilization, Disinfection and Antisepsis	Materials for the course provided by the instructor
1 Lecture Upper Respiratory Tract Infections	Materials for the course provided by the instructor
1 Lecture Lower Respiratory Tract Infections	Materials for the course provided by the instructor
1 Lecture Immunization and Prophylaxis	Materials for the course provided by the instructor
1 Lecture Urinary Tract Infections	Materials for the course provided by the instructor
1 Lecture Infections in Elderly	Materials for the course provided by the instructor
1 Lecture Infections in immunocompromised Patients	Materials for the course provided by the instructor
1 Lecture Viral Exanthems	Materials for the course provided by the instructor
1 Lecture Tuberculosis	Materials for the course provided by the instructor
1 Lecture Case Presentations	Materials for the course provided by the instructor
1 Lecture Case Presentations	Materials for the course provided by the instructor
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1 Lecture Case Presentations	Materials for the course provided by the instructor
2 Microbiology Instructors(Group I)	Materials for the course provided by the instructor
2 Microbiology Instructors(Group II)	Materials for the course provided by the instructor
2 Microbiology Instructors(Group III)	Materials for the course provided by the instructor
2 Microbiology Instructors(Group IV)	Materials for the course provided by the instructor
2 Program Evaluation Session Review of the Exam Questions, Evaluation of the Program	Materials for the course provided by the instructor

RECOMMENDED SOURCES	
Textbook	1- Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases
	2- Koneman's Color Atlas and Textbook of Diagnostic Microbiology
Additional Resources	Lecture notes

ASSESSMENT		
Questions Types (Pencil-Paper Tests)	Proportion (in Pass/Fail Decision)	Questions Types (Pencil-Paper Tests)
Multiple Choice Questions	%60	Multiple Choice Questions
Extended Matching Questions	%20	
Key Features	%20	
Total	%100	Total
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)	Other Assessment Methods and Tools
Structured Oral Exam (SOE)	%85	Evaluation of Student's Seminar (Without Checklist)
Evaluation of Case Presentation (Without Checklist)	%5	
Evaluation of Preparation Skills of Patient's File (Without Checklist)	%5	
Global Evaluation of Student's Performance (Without Checklist)	%5	
	Total %100	Total
Pass/Fail Decision	Proportion (in Pass/Fail Decision)	Pass/Fail Decision
Pencil-Paper Tests	%60	Pencil-Paper Tests
Other Assessment Methods and Tools	%40	Other Assessment Methods and Tools
	Total %100	Total

MATERIAL SHARING	
Documents	Photocopy shareable.

Exams

Not shareable

COURSE CATEGORY

Expertise/Field Courses

COURSES CONTRIBUTION TO PROGRAM					
COMPETENCE AREA-1 / Professional Practices	Contribution				
COMPETENCE 1.1. Health Service Provider	1	2	3	4	5
Competency 1.1.1. Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.					X
Competency 1.1.2. Demonstrates a biopsychosocial approach that considers the individual's sociodemographic and sociocultural background without discrimination based on language, religion, race, or gender in patient management.					
Competency 1.1.3. Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.		X			
Competency 1.1.4. Performs the necessary actions in the direction of maintaining and improving the state of health as considering the individual, social, social and environmental factors affecting health.					X
Competency 1.1.5. Provides health education to healthy/ill individuals and their families, as well as to other healthcare professionals, by recognizing the characteristics, needs, and expectations of the target audience.					X
Competency 1.1.6. Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.		X			
Competency 1.1.7. Performs interventional and/or non-interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.					X
Competency 1.1.8. Provides healthcare services considering patient and employee health and safety.					X
Competency 1.1.9. Considers changes related to the physical and socio-economic environment at both regional and global scales that affect health, as well as changes in the individual characteristics and behaviors of those who seek healthcare services.			X		
COMPETENCE AREA-2 / Professional Values and Approaches	Contribution				
COMPETENCE 2.1. Adopting Professional Ethics and Principles	1	2	3	4	5
Competency 2.1.1. Considers good medical practices while performing the profession.					X
Competency 2.1.2. Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.					X
Competency 2.1.3. Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.					X

Competency 2.1.4. Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.					X
COMPETENCE 2.2. Health Advocate					
Competency 2.2.1. Advocates for the improvement of healthcare service delivery by considering the concepts of social accountability and social responsibility in the protection and enhancement of community health.					X
Competency 2.2.2. Plans and implements service delivery, education, and counseling processes related to individual and community health, in collaboration with all stakeholders, for the protection and improvement of health.					X
Competency 2.2.3. Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the improvement of healthcare quality.					X
Competency 2.2.4. Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.			X		
COMPETENCE 2.3. Leader-Manager					
Competency 2.3.1. Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.					X
Competency 2.3.2. Utilizes resources in a cost-effective, socially beneficial, and compliant manner with regulations in the planning, implementation, and evaluation processes of healthcare services as the manager in the healthcare institution.					X
COMPETENCE 2.4. Team Member					
Competency 2.4.1. Communicates effectively within the healthcare team and takes on different team roles as necessary.					X
Competency 2.4.2. Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.					
Competency 2.4.3. Works collaboratively and effectively with colleagues and other professional groups in professional practice.					X
COMPETENCE 2.5. Communicator					
Competency 2.5.1. Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.				X	
Competency 2.5.2. Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.					
Competency 2.5.3. Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.				X	
COMPETENCE AREA-3 / Professional and Personal Development	Contribution				
COMPETENCE 3.1. Scientific and Analytical Approach	1	2	3	4	5
Competency 3.1.1. Plans and implements scientific research, as necessary, for the population it serves, and utilizes the results obtained, as well as those from other research, for the benefit of the community.				X	
Competency 3.1.2. Accesses and critically evaluates current literature related to their profession.					X
Competency 3.1.3. Applies evidence-based medicine principles in the clinical decision-making process.					
Competency 3.1.4. Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.					

COMPETENCE 3.2. Lifelong Learner					
Competency 3.2.1. Manages effectively individual study processes and career development.					
Competency 3.2.2. Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.					
Competency 3.2.3. Selects the right learning resources to improve the quality of health care and organizes the learning process.			X		

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity/ day	Duration (Hour)	Total Workload (Hour)
Course Duration (2 week)	10	5.5	55
Hours for off-the-classroom study (Pre-study, practice, review/week)	10	2	20
Homework	-	-	-
Exam	1	1	1
Total Work Load			76
Total Work Load / 30 (h)			2.53
ECTS Credit of the Course			3