



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE
PHASE 4
ENGLISH MEDICINE PROGRAM**

COURSE of INFECTIOUS DISEASES

2022/2023 Academic Year

COURSE GUIDEBOOK

PREFACE

Dear Students,

Welcome to the Infectious Diseases course which is an important part of your education.

In this course program, which is going to continue for 3 weeks, we aim to give the basic education of the course program in all aspects of theoretical courses and practical applications. This guide describes what you will learn and perform during your clerkship, the rules you must follow in our clinic, and the working conditions. We wish you all success with the belief that this guide will guide you sufficiently through your clerkship studies.

Department of Infection Diseases

GENERAL INFORMATION on COURSE

Course Title	: Infectious Diseases
Main Department of Course	: Medical Sciences
Department Responsible for Course	: Department of Infection Diseases
Course Code	: MED-4005
Course Topic Code	: MED4-
Course Type	: Required
Duration of the Course	: 3 weeks
Teaching Method of the Course	: Formal
ECTS	: 4
Language	: English
Head of the department	: Turhan Togan
Teaching Staff	:

Teaching Staff	Subject area	Theoretical Course duration (Hours)
Turhan Togan MD, Assoc. Prof.	Infection Diseases	
Selmin Dirgen Çaylak MD, Asst. Prof.	Infection Diseases	

Coordinator of the Department Education Program : Turhan Togan MD, Assoc. Prof.
Coordinator of the Course Education Program : Turhan Togan MD, Assoc. Prof.
Coordinator of the Course Examinations : Selmin Dirgen Çaylak MD, Asst. Prof.
Coordinator of Course Assessment and Evaluation : Selmin Dirgen Çaylak MD, Asst. Prof.

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TEACHING METHODS-TECHNIQUES

1. Theoretical lessons

2. Learning Centered Teaching

- a. Case-based discussion sessions
- b. Student case reports,
- c. Practical application at the bedside
- d. Practical application at the bedside in the outpatient clinic

3. Interactive teaching

PHYSICAL SPACES

Teaching Activity	Physical Space	Explanation
Theoretical lessons	Determined classroom will be notified to course group representative by deanery	Morphology Building, Ground floor classrooms
Inpatient bedside practice	Infection Diseases Clinic	Hospital Building inpatient side; -1st floor
Policlinic	Outpatient Clinic of Infection Diseases	Hospital Building outpatient clinics side; 1st floor

RELATED LEGISLATION

<http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

AIM(S) of the COURSE

1	<p>In this course, it is aimed that the students comprehend the clinical approach of infectious diseases in accordance with the core education program, learn the epidemiology and pathogenesis of infectious diseases, their etiological features, diagnosis, differential diagnosis, treatment, prevention, and control. In addition, in this internship, it is aimed that the students learn the diagnosis and treatment of common infectious diseases and gain attitudes and skills in the prevention and control of infectious diseases.</p>
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OBJECTIVE(S) of the COURSE

1	To be able to master the general and system-specific signs and symptoms of infectious diseases, to be able to take a detailed medical history from patients and their relatives about the general and current problem using effective communication skills, and to be able to perform a complete systemic examination.
2	To be able to choose the tests used in the diagnosis of infectious diseases in the appropriate order by analyzing the medical history and physical examination findings, and to be able to interpret the results.
3	To be able to determine the preliminary diagnoses and make a definitive diagnosis by evaluating the medical history, physical examination findings and laboratory results together.
4	To be able to perform basic diagnostic and interventional procedures (taking samples for culture, preparing dyed and unstained preparations, and examining them under a microscope, taking venous blood samples, inserting a urinary catheter, etc.) for infectious diseases.
5	To be able to recognize life-threatening infectious diseases and to be able to make their first treatment at primary care level and to be able to refer them appropriately.
6	To be able to treat and monitor common infectious diseases at the primary care level, to issue prescriptions in accordance with the principles of rational antibiotic use and legislation for the treatment of these diseases, and to be able to refer them appropriately, when necessary.
7	To be able to evaluate risk factors for infectious diseases on an individual basis, to be able to apply preventive measures for these infections, to be able to provide counseling to patients and their relatives about this issue.
8	To be able to implement measures to reduce the frequency of common infectious diseases in the community.
9	To be able to behave in line with ethical principles in the management of patients and in their relations with colleagues.

INTENDED LEARNING OUTCOME(S)

1	Can master the general and system-specific signs and symptoms of infectious diseases, can take a detailed medical history from patients and their relatives about the general and current problem using effective communication skills, and can perform a complete systemic examination.
2	Can choose the tests used in the diagnosis of infectious diseases in the appropriate order by analyzing the medical history and physical examination findings and can interpret the results.
3	Can determine the preliminary diagnoses and make a definitive diagnosis by evaluating the medical history, physical examination findings and laboratory results together.
4	Can perform basic diagnostic and interventional procedures (taking samples for culture, preparing dyed and unstained preparations, and examining them under a microscope, taking venous blood samples, inserting a urinary catheter, etc.) for infectious diseases.
5	Can recognize life-threatening infectious diseases and can make their first treatment at primary care level and can refer them appropriately.
6	Can treat and monitor common infectious diseases at the primary care level, to issue prescriptions in accordance with the principles of rational antibiotic use and legislation for the treatment of these diseases, and can refer them appropriately, when necessary.
7	Can evaluate risk factors for infectious diseases on an individual basis, can apply preventive measures for these infections, can provide counseling to patients and their relatives about this issue.
8	Can implement measures to reduce the frequency of common infectious diseases in the community.
9	Can behave in line with ethical principles in the management of patients and in their relations with colleagues.

DUTIES and RESPONSIBILITIES OF STUDENTS and OTHER ISSUES

RESPONSIBILITIES

1. The training and education activities within the Course/Course blocks are carried out under the supervision of the instructor in charge of the course.
2. Before the clinical / outpatient applications, they introduce themselves as "Trainee Doctor" to the patient, give information and get permission from the patient, take the patient's medical history and perform a physical examination. They perform other medical procedures under the supervision of instructors.
3. The clothing of the trainee doctors in the working environment should be appropriate for the health worker.
4. Trainee doctors wear their ID cards visibly inside the hospital and in all educational environments.
5. Trainee doctors should wear a white doctor's coat inside the hospital.
6. They attend the theoretical and practical courses given by the instructors, as well as the applied trainings under the supervision of the instructors.
7. They attend visits during service working hours in line with the curriculum prepared by the department; They monitor all kinds of medical interventions for diagnosis and treatment in outpatient clinics, services and other diagnosis and treatment units, and perform the procedures in the practice list in accordance with the National Core Education Program / MSKU Extended Education Program at the specified level during course under the permission and supervision of the trainer.
8. In line with the program prepared by the department, they take the medical history of the patients given to them for educational purposes in the units, perform the physical examination, determine the preliminary diagnosis, make the interpretation and differential diagnosis of the case and present it to the lecturer.
9. They act in accordance with the principles and rules of medical professional ethics and deontology during practices.
10. They know the rights of patients and their relatives, acts respectfully to these rights and abides by the principle of confidentiality of patient information.

11. They do not share, use or accumulate for other purposes, information, documents and samples obtained from patients during training and practice studies with third parties, including patient relatives.
12. The patient should not inform the patient's relatives or third parties about the patient's medical condition and course without the knowledge and supervision of the instructors.
13. When they have serious information, observations and findings about patients that require changes in diagnosis and treatment, they immediately notify the relevant instructors.
14. They do not take the patient files out of the service.
15. They avoid behaviors that will harm patient safety and disrupt hospital hygiene.
16. During the course, they perform the tasks of preparing/presenting articles, preparing/presenting seminars, preparing/presenting interactive lessons, preparing/presenting cases and similar tasks.
17. All the work of the trainee students is for educational purposes only, and the trainee students cannot in any way be involved in the decisions, practices and records regarding the diagnosis, treatment, follow-up and medical care of the patients.
18. They know the patient rights regulation and the current health legislation and act accordingly.
19. During the course, it is important that the personal logbook is filled in carefully, signed and handed over to the responsible instructor at the end of the course.
20. They should be aware of the legislation of the Faculty of Medicine, including the Muğla Sıtkı Koçman University Faculty of Medicine Education-Training and Examination regulations, and act accordingly.
21. They act in accordance with the principles regarding attendance and other matters of Phase IV and V students in the MSKU Faculty of Medicine Education-Training and Examination Regulations.
22. As in all health institutions, they must comply with the rules, regulations and directives of the institution stated below.
 - ✓ Infection control rules
 - ✓ Rules on medical waste, household waste and recyclable waste
 - ✓ Radiation safety rules
 - ✓ Rules regarding employee health
 - ✓ Rules regarding patient safety

- ✓ Sample taking, sending, request writing, consent and similar rules
- ✓ Fire and safety precautions
- ✓ Ethical and deontological rules

Please read: MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties

OTHER ISSUES:

1. **Course period** is 3 weeks.
2. Full attendance of students is expected for theoretical or practical application in the designated classrooms and study areas, during the announced syllabus hours (unless a change is reported by the relevant faculty member during the internship period).
3. Performs the examination of the patients that he is obliged to follow up before the visit, compares them with the previous examination findings and makes clinical reasoning in terms of diagnosis/differential diagnosis.
4. Attends the visits of the responsible lecturer and specialist doctors and presents the patients for whom he is responsible
5. They work in the outpatient clinic with the rotation method. During the polyclinic work, they actively participate in taking anamnesis from the patient, performing the examination, requesting examinations, evaluating the results and planning the treatment under the supervision of specialist doctors and lecturers.
6. Students must perform all procedures in the clinic, laboratory and polyclinic with the knowledge of the responsible faculty member.
7. All students are expected to wear personal care and clothing in the style and care that befits a physician candidate. During all practical trainings such as clinic, laboratory and polyclinic, it is necessary to wear a white coat and comply with isolation precautions.

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
1. Enfeksiyon Hastalıkları (Ed: Prof Dr Halil Kurt, Prof Dr Sibel Gündes, Prof Dr MF Geyik)	1, 2, 3, 4, 5, 6, 7, 8, 9
2. Enfeksiyon Hastalıkları ve Mikrobiyolojisi. AW Topçu, G Söyletir, M Doğanay (Editörler), Nobel Tıp Kitabevleri	1, 2, 3, 4, 5, 6, 7, 8, 9
3. UpToDate (http:// www.uptodate.com)	1, 2, 3, 4, 5, 6, 7, 8, 9
4. http://www.saglik.gov.tr	1, 2, 3, 4, 5, 6, 7, 8, 9
5. http://www.cdc.gov/DiseasesConditions	1, 2, 3, 4, 5, 6, 7, 8, 9

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
1. Bulaşıcı Hastalıkların İhbarı ve Bildirim Sistemi ve Standart Tanı, Sürveyans ve Laboratuvar Rehberi. TC Sağlık Bakanlığı, Temel Sağlık Hizmetleri Genel Müdürlüğü	1, 2, 3, 4, 5, 6, 7, 8, 9
2. Erişkin Bağışıklama Rehberi	1, 2, 3, 4, 5, 6, 7, 8, 9
3. Kuduz Saha Rehberi- TC Sağlık Bakanlığı 2019	1, 2, 3, 4, 5, 6, 7, 8, 9

ASSESSMENT and EVALUATION

Assessment and Evaluation Methods in the End of Course Evaluation Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value for the End of Course Evaluation
Attendance to Classes		Compulsory	
Course Logbook		Compulsory	
Multiple Choice Theoretical Test Exam	100 multiple choice theoretical questions		%50
Unstructured (Jury-Based) Classical Oral Examination	Theoretical knowledge exam under the direction of at least 2 lecturers		%50
Total			%100

Availability of Course Logbook, Place of Course Report in Course Assessment and Evaluation Principles

For the right to take the written exam, the student must be evaluated as “adequate” from the criteria specified in the course report.

Existence of Attendance Requirement and Its Place in Course Assessment-Evaluation Principles

It is stated at the beginning of the course that the student who is absent from the courses will not be taken to the written exam.

The Effect of the Assessment and Evaluation Methods to be Applied on the Success Status at the End of the Course

In order to be successful in the course, it is required to get at least 60 points at each stage of the course exams. A student whose score is 59 and below in an assessment-evaluation technique is not allowed to participate in the other exam phase.

- ✓ Multiple Choice Theoretical Test Exam
- ✓ Unstructured (Jury-Based) Classical Oral Examination

Assessment and Evaluation in the Resit Examination

Assesment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Multiple Choice Theoretical Test Exam	100 multiple choice theoretical questions		%50
Unstructured (Jury-Based) Classical Oral Examination	Theoretical knowledge exam under the direction of at least 2 lecturers		%50
Total			%100

Assessment and Evaluation in the Single Resit Examination

Assesment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Multiple Choice Theoretical Test Exam	100 multiple choice theoretical questions		%50
Unstructured (Jury-Based) Classical Oral Examination	Theoretical knowledge exam under the direction of at least 2 lecturers		%50
Total			%100

Faculty of Medicine
English Medicine Program
Phase 4
Infectious Diseases
Course
Competence Matrix

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13
Infectious Diseases	5	5	3	2	2	2	4	3	2	2	5	5	5

* Completed according to the following program outcomes. (Score from 0 to 5.)

PO: Program Outcomes of Faculty of Medicine

PO Link: <https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr>

TRAINING ACTIVITY AND ASSESMENT AND EVALUATION METHODS MATCHING OF COURSE GAINS

Intended Learning Outcome	TRAINING ACTIVITY MATCHING	ASSESMENT AND EVALUATION METHODS MATCHING
1.Can master the general and system-specific signs and symptoms of infectious diseases, can take a detailed medical history from patients and their relatives about the general and current problem using effective communication skills, and can perform a complete systemic examination.	V,CR,C, ,L,Pr	P- L,OE,T E
2.Can choose the tests used in the diagnosis of infectious diseases in the appropriate order by analyzing the medical history and physical examination findings and can interpret the results.	V,CR,C, ,L,Pr	P- L,OE,T E
3.Can determine the preliminary diagnoses and make a definitive diagnosis by evaluating the medical history, physical examination findings and laboratory results together.	V,CR,C, ,L,Pr	P- L,OE,T E
4.Can perform basic diagnostic and interventional procedures (taking samples for culture, preparing dyed and unstained preparations, and examining them under a microscope, taking venous blood samples, inserting a urinary catheter, etc.) for infectious diseases.	V,CR,C, ,L,Pr	P- L,OE,T E
5.Can recognize life-threatening infectious diseases and can make their first treatment at primary care level and can refer them appropriately.	V,CR,C, ,L,Pr	P- L,OE,T E
6.Can treat and monitor common infectious diseases at the primary care level, to issue prescriptions in accordance with the principles of rational antibiotic use and legislation for the treatment of these diseases, and can refer them appropriately, when necessary.	V,CR,C, ,L,Pr	P- L,OE,T E
7.Can evaluate risk factors for infectious diseases on an individual basis, can apply preventive measures for these infections, can	V,CR,C, ,L,Pr	P- L,OE,T E

provide counseling to patients and their relatives about this issue.		
8. Can implement measures to reduce the frequency of common infectious diseases in the community.	V,CR,C, ,L,Pr	P- L,OE,T E
9. Can behave in line with ethical principles in the management of patients and in their relations with colleagues.	V,CR,C, ,L,Pr	P- L,OE,T E
Abbreviations Teaching Activity: Visit (V), Case report (CR), Clinical picture discussion-Outpatient clinic (C), Vocational skills lab (VSL), Radiological evaluation (R), Laboratory evaluation (L), Presentation (Pr) Assessment Method: Practical - Logbook (P-L), Oral exam (OE), Theoretical exam (TE)		

**INFORMATION AND MATCHING TABLE ON THE
THEORETICAL AND PRACTICAL COURSES IN THE COURSE
TO BE INCLUDED IN THE 2022- 2023 ACADEMIC YEAR
COURSE POGAM**

Lecture Code	Hour	Lecture Type	Lecture Subject	NCEP-020 Matching	Course Aim Matching	Course Learning Outcome Matching	Activity Matching	Assessment and Evaluation Method matching	Vertical Integrati on	Horizontal Integrati on
1	1	T	Anamnesis and physical examination in infectious diseases (APPLICATION)		1	1, 2, 3, 9	V,CR,C,,L,Pr	PL,OE,TE		
2	1	T	Approach to the patient with fever and fever of unknown origin		1	, 2, 3, 4, 5, 6	V,CR,C,,L,Pr	PL,OE,TE		
3	1	T	Sepsis and septic shock		1	, 2, 3, 4, 5, 6	V,CR,C,,L,Pr	PL,OE,TE		
4	1	T	Taking blood culture (APPLICATION)		1	4	V,CR,C,,L,Pr	PL,OE,TE		
5	1	T	Healthcare-associated infections (HCAI)		1	7, 8, 9	V,CR,C,,L,Pr	PL,OE,TE		
6	1	T	Healthcare-associated infections prevention and control		1	7, 8	V,CR,C,,L,Pr	PL,OE,TE		
7	1	T	Acute infectious diarrhea		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
8	1	T	Food poisoning		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
9	1	T	Hand hygiene and isolation measures		1	7, 8	V,CR,C,,L,Pr	PL,OE,TE		
10	1	T	Salmonellosis		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
11	1	T	Anthrax		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
12	1	T	Notable parasitic infections		1	, 2, 3, 4, 5, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
13	1	T	The place and importance of microscopy in infectious		1	4	V,CR,C,,L,Pr	PL,OE,TE		

			diseases						
14	1	T	Culture and identification tests		1	4	V,CR,C,,L,Pr	PL,OE,TE	
15	1	T	Serological methods		1	4	V,CR,C,,L,Pr	PL,OE,TE	
16	1	T	Molecular methods		1	4	V,CR,C,,L,Pr	PL,OE,TE	
17	1	T	Lyme disease		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
18	1	T	Central nervous system infections (meningitis)		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
19	1	T	Central nervous system infections (encephalitis)		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
20	1	T	Lumbar puncture		1	4	V,CR,C,,L,Pr	PL,OE,TE	
21	1	T	Evaluation of CSF samples		1	4	V,CR,C,,L,Pr	PL,OE,TE	
22	1	T	Upper respiratory tract infections		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
23	1	T	Flu- cold- mononucleosis syndrome		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
24	1	T	Extrapulmonary tuberculosis		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
25	1	T	Urinary tract infections		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
26	1	T	Viral hemorrhagic fevers		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
27	1	T	Crimean-Congo hemorrhagic fever		1	, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
28	1	T	Approach to sexually transmitted infections		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
29	1	T	HIV/ AIDS		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
30	1	T	Malaria		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
31	1	T	Brucellosis		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
32	1	T	Rabies		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
33	1	T	Tetanus		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
34	1	T	Skin and soft tissue infections		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	
35	1	T	Skin and soft tissue infections, gas		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE	

			gangrene			8				
36	1	T	Bone and joint infections		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
37	1	T	Approach to infections in the specific host		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
38	1	T	acute viral hepatitis		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
39	1	T	Chronic viral hepatitis		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
40	1	T	Febrile rash diseases		1	1, 2, 3, 4, 5, 6, 7, 8	V,CR,C,,L,Pr	PL,OE,TE		
41	1	T	Adult immunization		1	8	V,CR,C,,L,Pr	PL,OE,TE		
42	2	T	Principles of rational antibiotic use		1	8	V,CR,C,,L,Pr	PL,OE,TE		
43	12	T	Bedside visit (APPLICATION)		1	, 2, 3, 4, 5, 6, 7, 8, 9	V,CR,C,,L,Pr	PL,OE,TE		
44	8	T	Polyclinic (APPLICATION)		1	, 2, 3, 4, 5, 6, 7, 8, 9	V,CR,C,,L,Pr	PL,OE,TE		